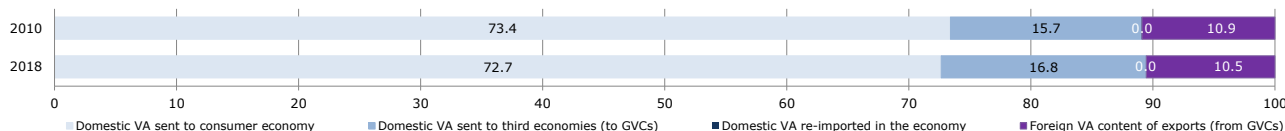


### VALUE ADDED CONTENT OF GROSS EXPORTS

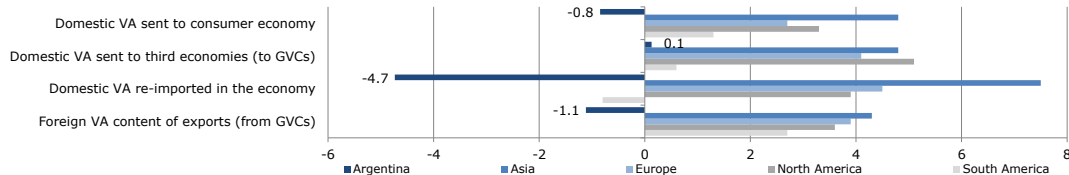
#### The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



#### Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



#### Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Food and beverages	92.7	7.3	100.0
2. Wholesale and retail trade	95.8	4.2	100.0
3. Agriculture	94.0	6.0	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Food and beverages	19.2	1.5
2. Wholesale and retail trade	13.8	0.6
3. Agriculture	8.9	0.6

#### Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Brazil	83.2	16.8	100.0
2. United States	91.0	9.0	100.0
3. China	92.0	8.0	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Brazil	12.3	2.5
2. United States	8.5	0.8
3. China	7.5	0.7

#### Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

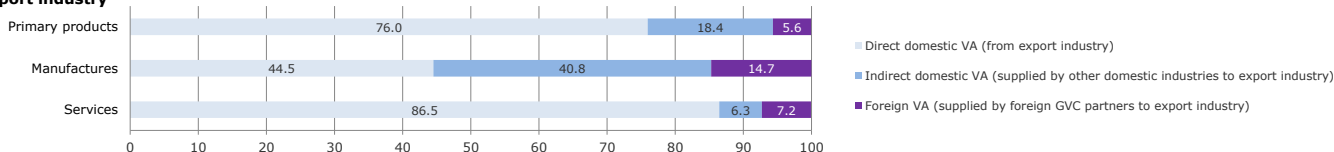
##### Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>21.9</b>	<b>23.2</b>	<b>44.4</b>	<b>1.3</b>	<b>3.8</b>	<b>5.5</b>	<b>100.0</b>
Primary products	76.0	3.8	14.5	1.0	1.9	2.8	100.0
Manufactures	16.8	44.5	24.0	1.9	5.9	7.0	100.0
Services	2.4	3.8	86.5	0.7	1.9	4.7	100.0

#### Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

##### Export industry



Source: WTO calculations based on the OECD TIVA database.

### PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

#### GVC participation index, 2018

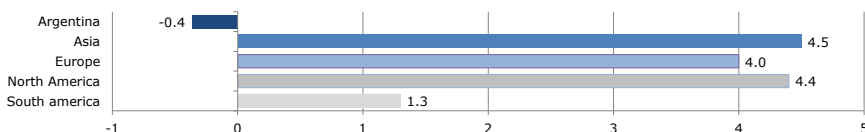
(% share in total gross exports)

##### Regional averages

	Argentina	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>27.3</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	16.8	20.0	21.2	22.0	23.5
Backward participation	10.5	24.4	27.6	15.8	13.0

#### Evolution of total GVC participation, 2010-2018

(annual % change)



#### Forward GVC participation, 2018

##### Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	16.4
2. Mining (energy products)	11.4
3. Agriculture	11.0

##### Top exporters of Argentina inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Brazil	7.9
2. China	7.8
3. United States	6.9

#### Backward GVC participation, 2018

##### Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	22.9
2. Food and beverages	14.4
3. Chemical products	6.8

##### Top foreign inputs providers

(% share in total foreign content of exports)

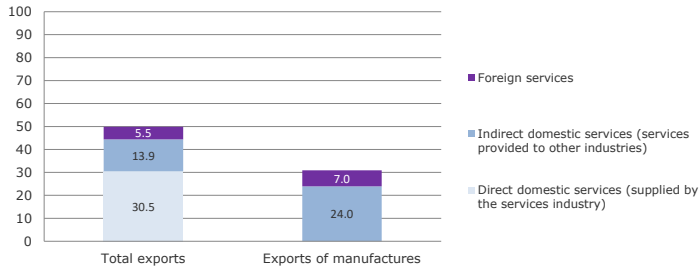
1. Brazil	18.3
2. United States	17.0
3. China	13.7

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

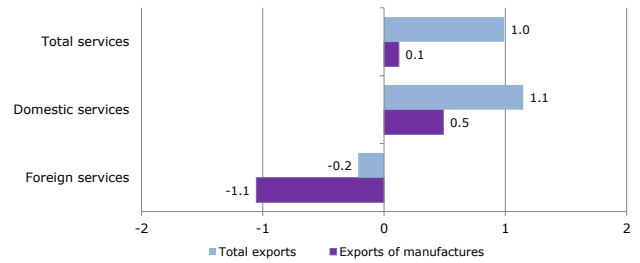
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	19.2
2. Admin./support activities	5.9
3. Land transport	4.7

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.2
2. Brazil	0.9
3. China	0.6

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	12.4
2. Land transport	3.2
3. Admin./support activities	3.0

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Brazil	1.5
2. United States	1.3
3. China	0.8

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

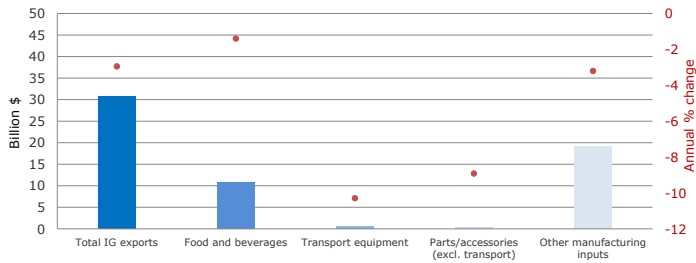
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	31	57.6	-2.9
Commercial services	6	59.6	1.2
<b>Imports of intermediate</b>			
Goods	24	61.2	-1.8
Commercial services	4	38.5	4.3

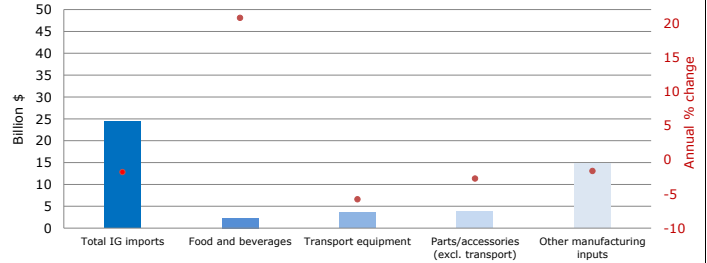
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Brazil	3	9.5
2. Viet Nam	3	8.9
3. China	3	8.8

### Top origins of imports of intermediate goods

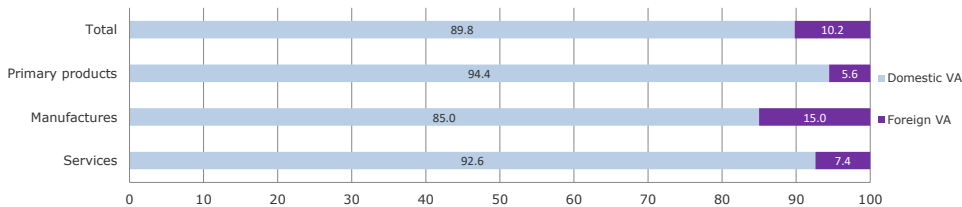
(Billion \$ and %)

	2020	2020 share in total
1. Brazil	5	20.6
2. China	5	18.6
3. United States	3	11.5

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

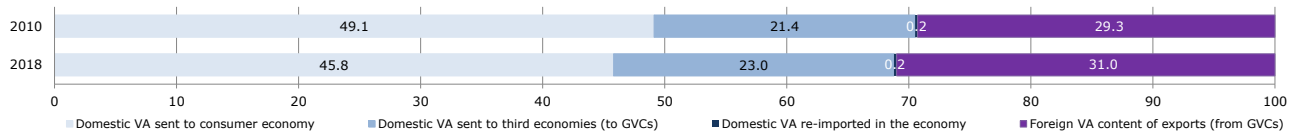


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

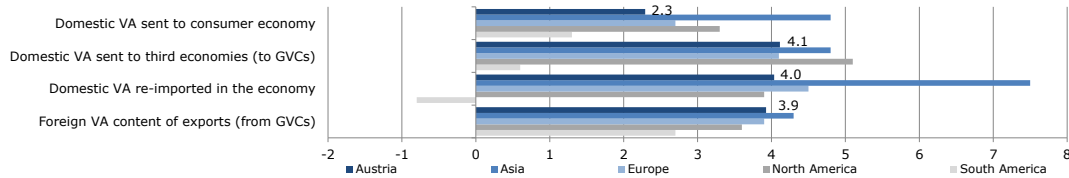
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010-2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Wholesale and retail trade	83.5	16.5	100.0
2. Other machinery and equipment	62.3	37.7	100.0
3. Motor vehicles	47.0	53.0	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Wholesale and retail trade	8.3	1.6
2. Other machinery and equipment	5.3	3.2
3. Motor vehicles	3.3	3.8

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	69.4	30.6	100.0
2. United States	67.6	32.4	100.0
3. Italy	68.4	31.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Germany	18.8	8.3
2. United States	4.6	2.2
3. Italy	4.4	2.0

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

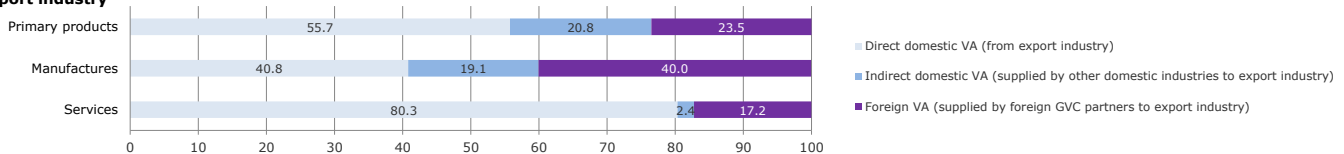
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>1.5</b>	<b>25.4</b>	<b>42.1</b>	<b>3.4</b>	<b>10.6</b>	<b>17.0</b>	<b>100.0</b>
Primary products	55.7	3.2	17.5	6.5	5.3	11.7	100.0
Manufactures	1.2	40.8	17.9	4.5	15.4	20.2	100.0
Services	0.2	2.2	80.3	1.7	3.3	12.2	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

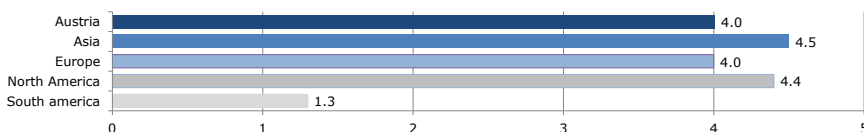
(% share in total gross exports)

## Regional averages

	Austria	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>54.0</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	23.0	20.0	21.2	22.0	23.5
Backward participation	31.0	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	14.7
2. Scientific/technical activities	7.3
3. Basic metals	7.1

## Top exporters of Austria inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	25.3
2. Italy	6.3
3. Hungary	6.0

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	12.1
2. Other machinery and equipment	10.4
3. Chemical products	8.7

## Top foreign inputs providers

(% share in total foreign content of exports)

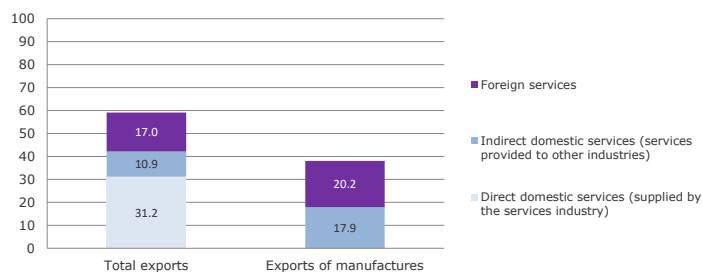
1. Germany	26.8
2. United States	5.4
3. Italy	5.3

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

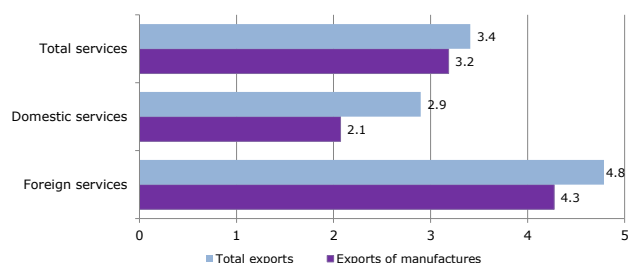
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	14.2
2. Scientific/technical activities	7.3
3. Land transport	6.0

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	4.4
2. United States	1.2
3. Italy	0.9

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.7
2. Scientific/technical activities	4.7
3. Admin./support activities	3.3

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	5.5
2. United States	1.3
3. Italy	1.2

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

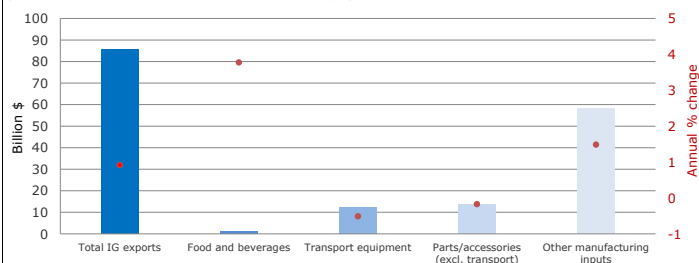
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	86	53.8	0.9
Commercial services	25	39.6	6.8
<b>Imports of intermediate</b>			
Goods	83	53.3	1.2
Commercial services	24	42.7	10.5

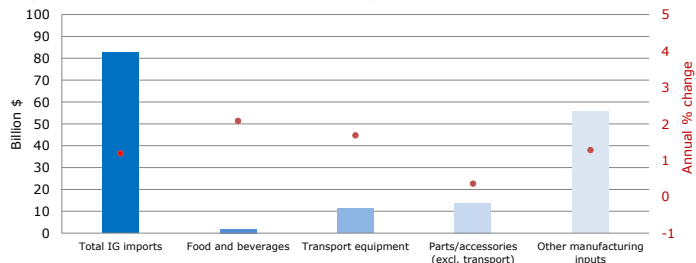
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	28	33.0
2. Italy	7	7.7
3. United States	5	5.4

### Top origins of imports of intermediate goods

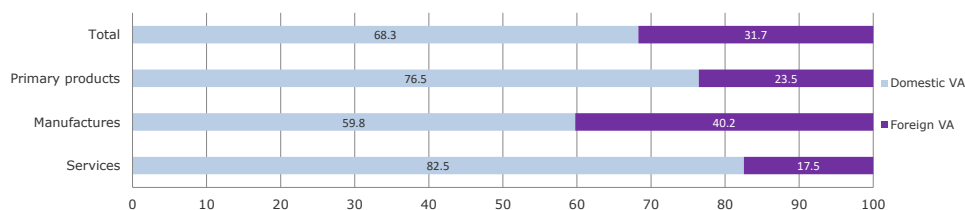
(Billion \$ and %)

	2020	2020 share in total
1. Germany	31	37.4
2. Switzerland	6	7.7
3. Italy	5	6.6

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

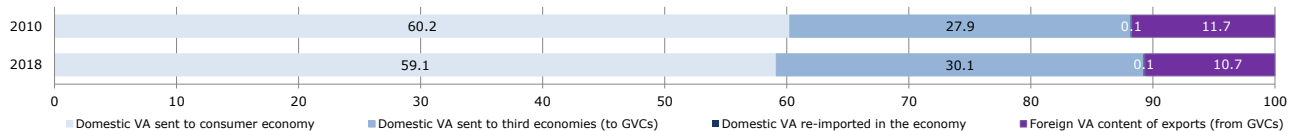


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

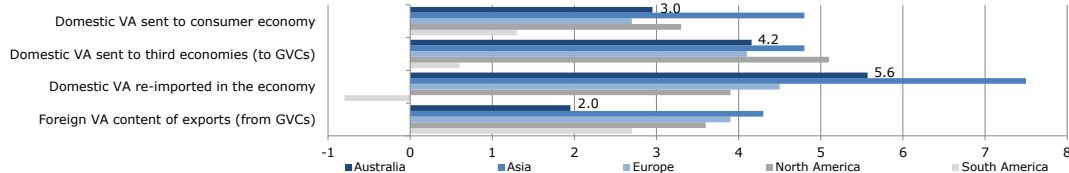
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (energy products)	93.0	7.0	100.0
2. Mining (non-energy products)	90.3	9.7	100.0
3. Basic metals	82.9	17.1	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Mining (energy products)	23.8	1.8
2. Mining (non-energy products)	18.9	2.0
3. Basic metals	7.6	1.6

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	89.9	10.1	100.0
2. Japan	89.3	10.7	100.0
3. Korea, Republic of	90.6	9.4	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. China	33.2	3.7
2. Japan	13.7	1.6
3. Korea, Republic of	6.8	0.7

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

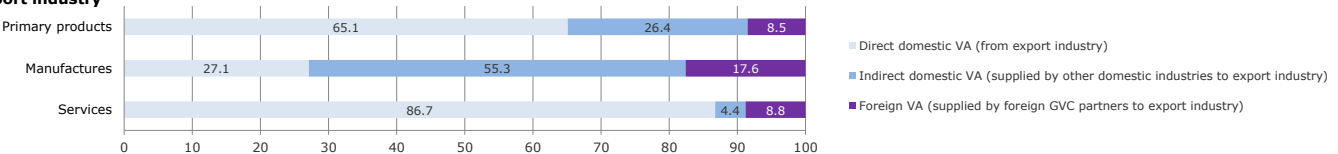
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>38.9</b>	<b>8.0</b>	<b>42.4</b>	<b>2.4</b>	<b>3.3</b>	<b>5.0</b>	<b>100.0</b>
Primary products	65.1	2.4	24.0	1.8	2.8	4.0	100.0
Manufactures	24.7	27.1	30.6	4.8	5.3	7.5	100.0
Services	2.1	2.4	86.7	1.4	2.7	4.6	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

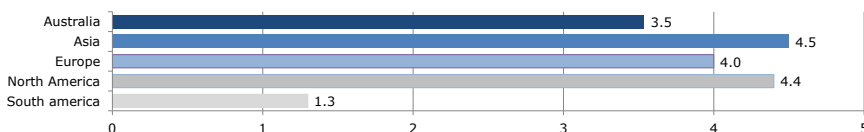
(% share in total gross exports)

## Regional averages

	Australia	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>40.8</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	30.1	20.0	21.2	22.0	23.5
Backward participation	10.7	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (non-energy products)	26.9
2. Mining (energy products)	26.1
3. Wholesale and retail trade	6.8

## Top exporters of Australia inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	21.9
2. Japan	17.7
3. Korea, Republic of	11.3

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Mining (non-energy products)	19.0
2. Mining (energy products)	16.8
3. Basic metals	14.7

## Top foreign inputs providers

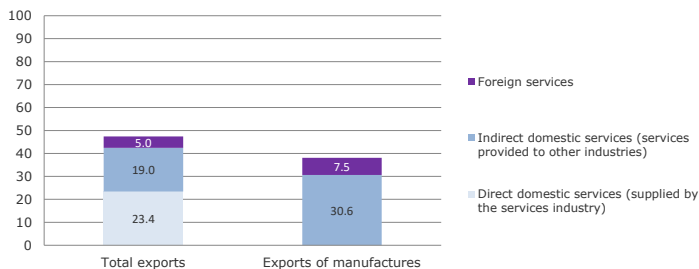
(% share in total foreign content of exports)

1. China	15.3
2. United States	14.8
3. Japan	6.6

Source: WTO calculations based on the OECD TIVA database.

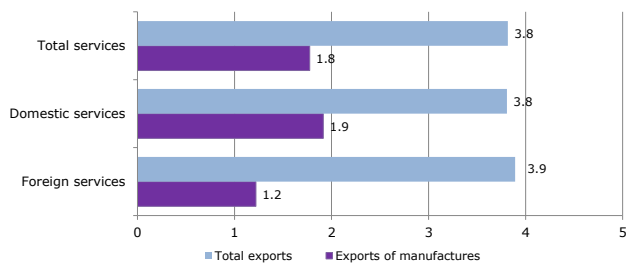
The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



Evolution of the services VA content of exports, 2010-2018

(annual % change)



Services VA contribution to total exports, 2018

Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	9.2
2. Financial services	5.7
3. Scientific/technical activities	5.1

Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.0
2. China	0.6
3. Japan	0.4

Services VA contribution to exports of manufactures, 2018

Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	7.9
2. Scientific/technical activities	4.8
3. Financial services	4.7

Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	1.6
2. China	1.0
3. Japan	0.5

Source: WTO calculations based on the OECD TIVA database.

TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

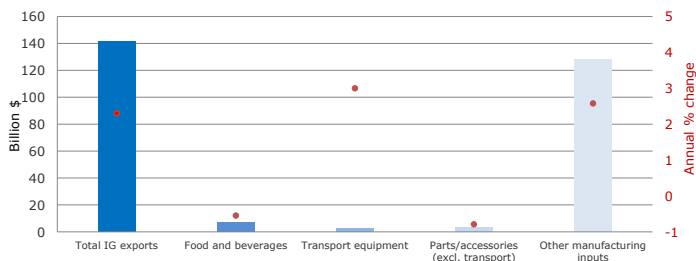
Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	142	67.2	2.3
Commercial services	12	24.1	2.5
<b>Imports of intermediate</b>			
Goods	70	35.7	0.5
Commercial services	14	38.2	3.8

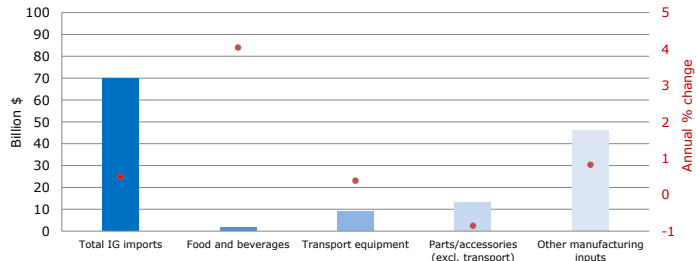
Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	30	18.4
2. France	22	13.3
3. Netherlands	17	10.3

Top origins of imports of intermediate goods

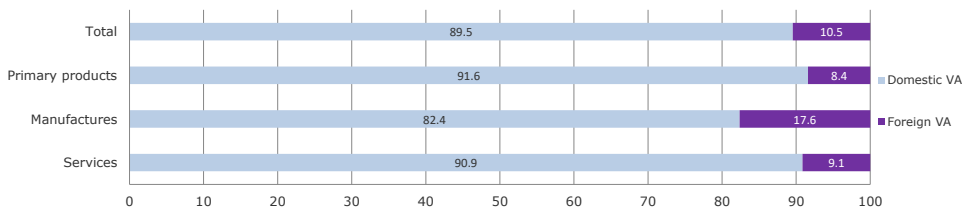
(Billion \$ and %)

	2020	2020 share in total
1. Germany	24	15.7
2. Netherlands	21	13.6
3. France	17	11.4

Sources: UN Comtrade database and WTO Stats database.

Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

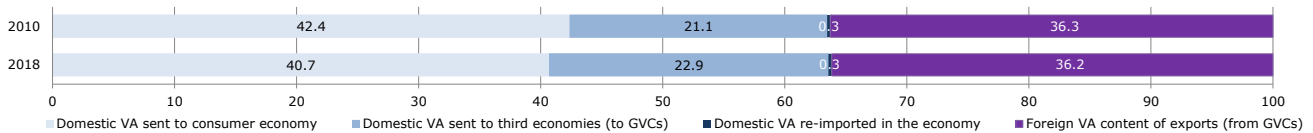


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

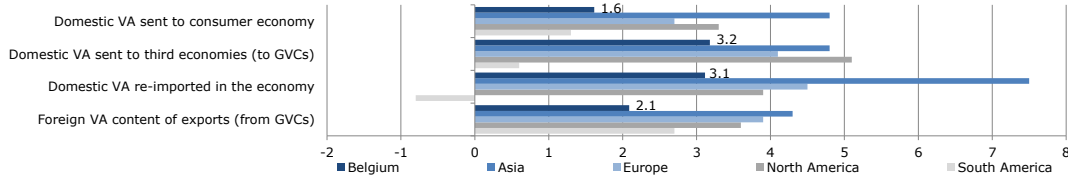
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Wholesale and retail trade	75.7	24.3	100.0
2. Scientific/technical activities	77.5	22.5	100.0
3. Chemical products	57.5	42.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Wholesale and retail trade	8.4	2.7
2. Scientific/technical activities	8.3	2.4
3. Chemical products	4.9	3.6

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. France	64.9	35.1	100.0
2. Germany	58.0	42.0	100.0
3. Netherlands	64.9	35.1	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. France	9.0	4.8
2. Germany	7.3	5.3
3. Netherlands	6.7	3.6

Domestic and foreign sectoral VA contribution to gross exports, 2018

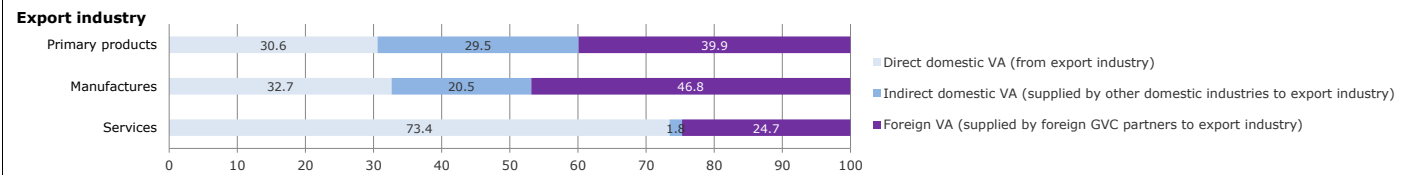
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>0.6</b>	<b>17.5</b>	<b>45.7</b>	<b>6.3</b>	<b>7.9</b>	<b>22.0</b>	<b>100.0</b>
Primary products	30.6	6.2	23.3	8.9	8.5	22.5	100.0
Manufactures	0.5	32.7	20.0	10.0	12.4	24.5	100.0
Services	0.1	1.8	73.4	2.2	3.2	19.3	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

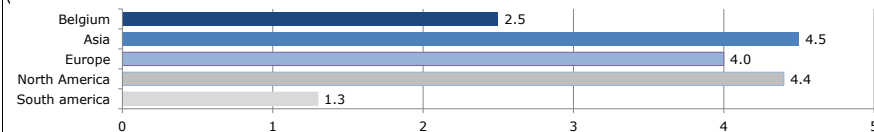
(% share in total gross exports)

Regional averages

	Belgium	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>59.0</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	22.9	20.0	21.2	22.0	23.5
Backward participation	36.2	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Scientific/technical activities	15.9
2. Wholesale and retail trade	14.0
3. Financial services	9.1

Top exporters of Belgium inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	14.2
2. Netherlands	12.2
3. France	10.6

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Petroleum products	10.6
2. Chemical products	10.0
3. Basic metals	8.1

Top foreign inputs providers

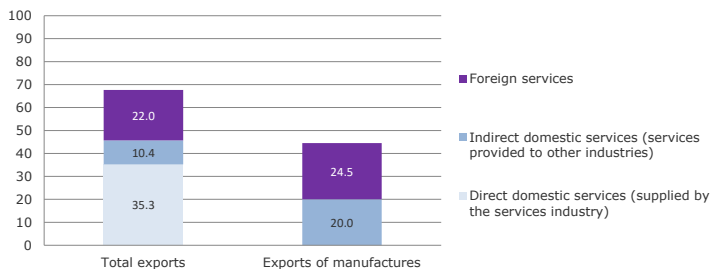
(% share in total foreign content of exports)

1. France	11.4
2. Netherlands	11.3
3. Germany	10.2

Source: WTO calculations based on the OECD TIVA database.

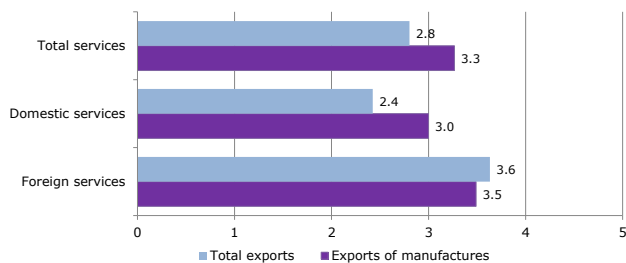
**The services VA content of exports, by origin, 2018**

(% shares in total and manufactures exports)



**Evolution of the services VA content of exports, 2010-2018**

(annual % change)



**Services VA contribution to total exports, 2018**

**Top services industries contributing to total exports**

(% share in total gross exports)

1. Scientific/technical activities	14.9
2. Wholesale and retail trade	13.9
3. Financial services	6.7

**Top foreign services providers to total exports**

(% share in total gross exports)

1. France	3.3
2. United States	2.6
3. Netherlands	2.4

**Services VA contribution to exports of manufactures, 2018**

**Top services industries contributing to exports of manufactures**

(% share in gross exports of manufactures)

1. Wholesale and retail trade	11.0
2. Scientific/technical activities	8.5
3. Admin./support activities	5.2

**Top foreign services providers to exports of manufactures**

(% share in gross exports of manufactures)

1. France	3.5
2. Netherlands	2.9
3. Germany	2.8

Source: WTO calculations based on the OECD TIVA database.

**TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)**

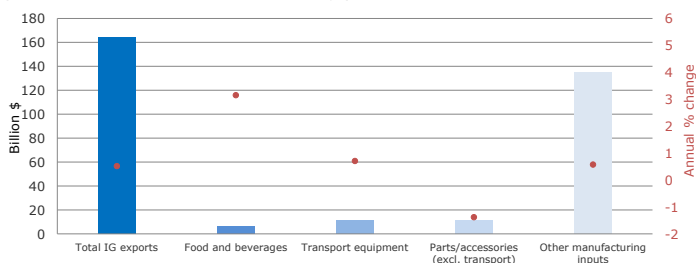
**Trade in intermediate goods and commercial services**

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	164	58.0	0.5
Commercial services	58	51.5	4.7
<b>Imports of intermediate</b>			
Goods	152	56.1	0.8
Commercial services	55	48.1	5.7

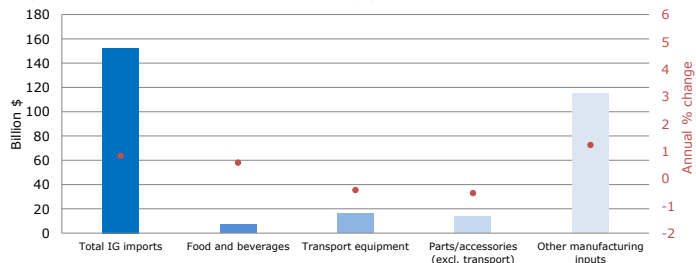
**Exports of intermediate goods (IG), by main category**

(2020 billion \$, 2010-2020 annual % change)



**Imports of intermediate goods (IG), by main category**

(2020 billion \$, 2010-2020 annual % change)



**Top destinations of exports of intermediate goods**

(Billion \$ and %)

	2020	2020 share in total
1. Germany	30	18.4
2. France	22	13.3
3. Netherlands	17	10.3

**Top origins of imports of intermediate goods**

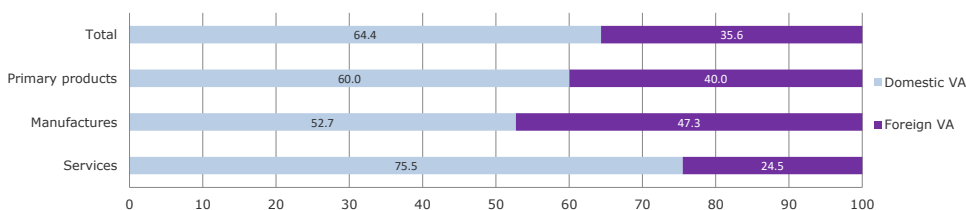
(Billion \$ and %)

	2020	2020 share in total
1. Germany	24	15.7
2. Netherlands	21	13.6
3. France	17	11.4

Sources: UN Comtrade database and WTO Stats database.

**Domestic and foreign VA content in exports of intermediate products, 2018**

(% share in industry exports of intermediates)



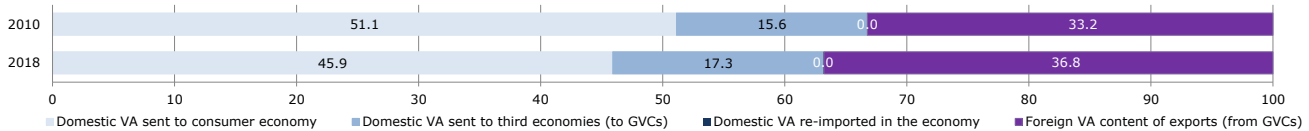
Source: WTO calculations based on the OECD TIVA database.



## VALUE ADDED CONTENT OF GROSS EXPORTS

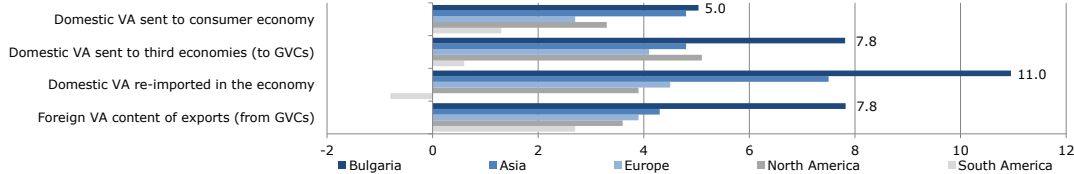
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Wholesale and retail trade	80.9	19.1	100.0
2. Basic metals	41.5	58.5	100.0
3. Agriculture	71.3	28.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Wholesale and retail trade	8.6	2.0
2. Basic metals	4.0	5.7
3. Agriculture	5.4	2.2

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	63.9	36.1	100.0
2. Romania	62.7	37.3	100.0
3. Italy	58.6	41.4	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Germany	7.6	4.3
2. Romania	4.8	2.9
3. Italy	4.5	3.2

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>6.0</b>	<b>16.8</b>	<b>40.4</b>	<b>9.8</b>	<b>10.2</b>	<b>16.8</b>	<b>100.0</b>
Primary products	52.1	1.8	18.7	7.6	7.1	12.7	100.0
Manufactures	1.8	30.5	18.5	13.6	14.4	21.2	100.0
Services	0.7	2.1	74.6	5.4	5.3	11.9	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

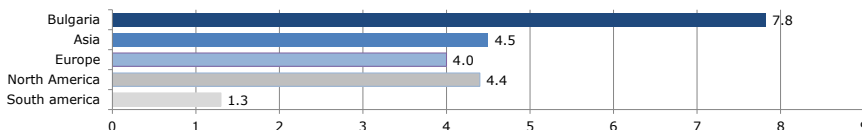
(% share in total gross exports)

## Regional averages

	Bulgaria	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>54.1</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	17.3	20.0	21.2	22.0	23.5
Backward participation	36.8	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	19.4
2. Land transport	7.5
3. Financial services	6.1

## Top exporters of Bulgaria inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	15.5
2. Italy	8.2
3. Romania	5.5

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Basic metals	15.5
2. Petroleum products	13.0
3. Food and beverages	6.5

## Top foreign inputs providers

(% share in total foreign content of exports)

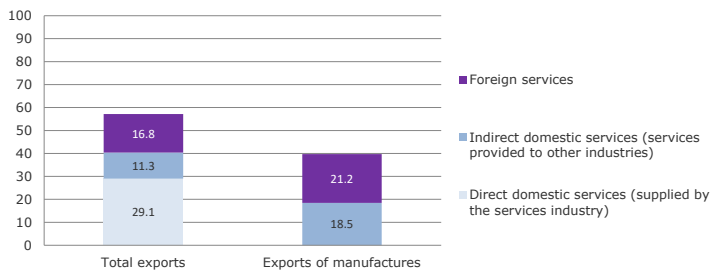
1. Russian Federation	32.2
2. Germany	7.5
3. Turkey	5.4

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

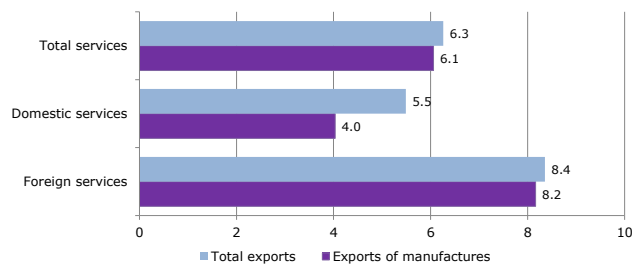
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	16.7
2. Land transport	6.1
3. Financial services	5.7

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Russian Federation	3.6
2. Germany	1.5
3. Italy	0.9

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	13.6
2. Financial services	4.5
3. Land transport	4.1

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Russian Federation	5.1
2. Germany	1.9
3. Turkey	1.3

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

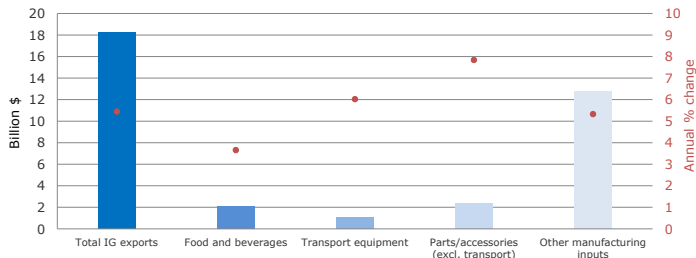
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	18	59.8	5.4
Commercial services	3	40.6	12.1
<b>Imports of intermediate</b>			
Goods	18	54.5	4.7
Commercial services	1	30.7	2.8

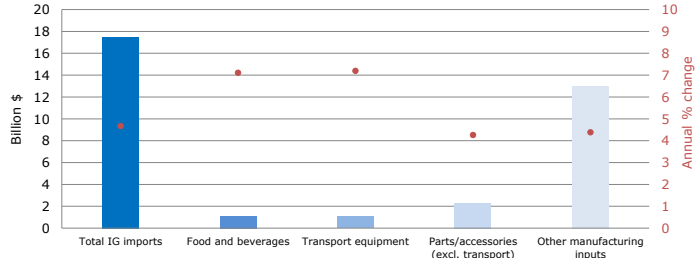
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	3	16.3
2. Turkey	2	9.1
3. Romania	2	8.8

### Top origins of imports of intermediate goods

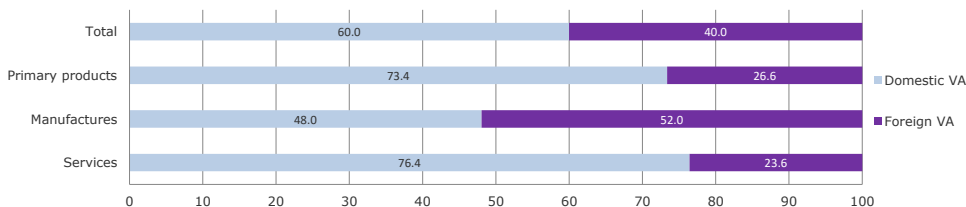
(Billion \$ and %)

	2020	2020 share in total
1. Germany	2	11.5
2. Turkey	2	9.1
3. Romania	1	7.0

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

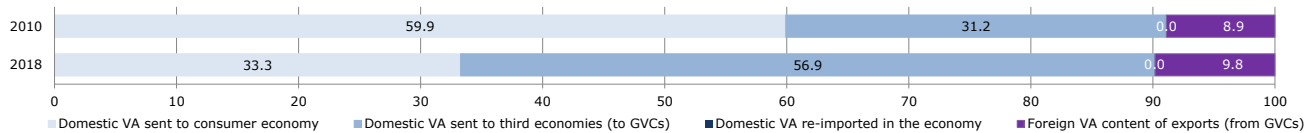


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

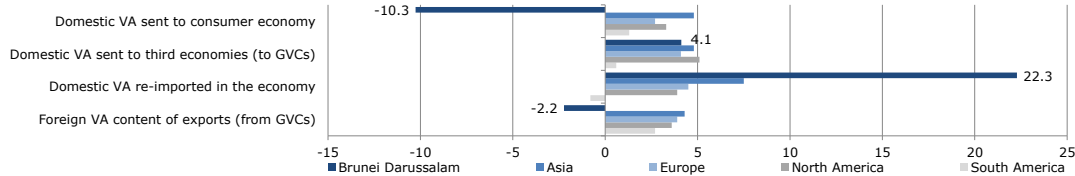
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (energy products)	91.7	8.3	100.0
2. Wholesale and retail trade	79.8	20.2	100.0
3. Chemical products	92.7	7.3	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Mining (energy products)	78.0	7.0
2. Wholesale and retail trade	2.0	0.5
3. Chemical products	2.2	0.2

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Korea, Republic of	90.8	9.2	100.0
2. India	90.9	9.1	100.0
3. Thailand	91.1	8.9	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Korea, Republic of	14.1	1.4
2. India	13.8	1.4
3. Thailand	13.7	1.3

Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

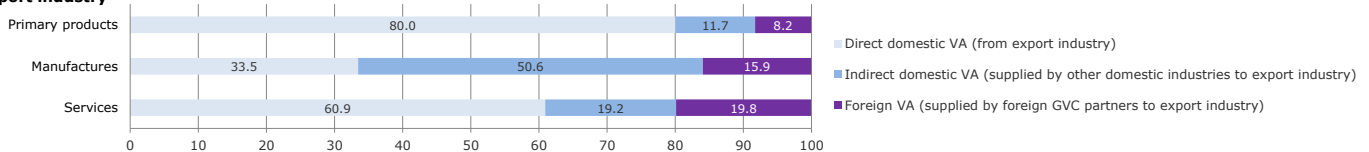
Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>71.0</b>	<b>7.8</b>	<b>11.3</b>	<b>1.8</b>	<b>2.8</b>	<b>5.2</b>	<b>100.0</b>
Primary products	80.0	6.3	5.4	1.5	2.4	4.4	100.0
Manufactures	41.3	33.5	9.3	2.6	5.2	8.1	100.0
Services	10.0	9.2	60.9	3.7	5.5	10.7	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

Export industry



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

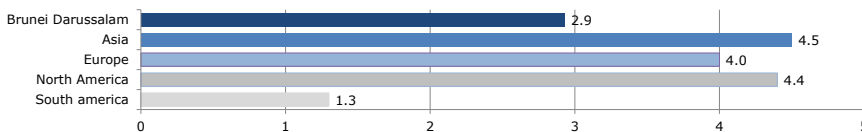
(% share in total gross exports)

Regional averages

	Brunei Darussalam	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>66.7</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	56.9	20.0	21.2	22.0	23.5
Backward participation	9.8	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (energy products)	82.5
2. Petroleum products	7.0
3. Wholesale and retail trade	2.8

Top exporters of Brunei Darussalam inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Singapore	17.5
2. Korea, Republic of	15.2
3. Thailand	13.8

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Mining (energy products)	71.6
2. Wholesale and retail trade	5.2
3. Accommodation and food services	4.9

Top foreign inputs providers

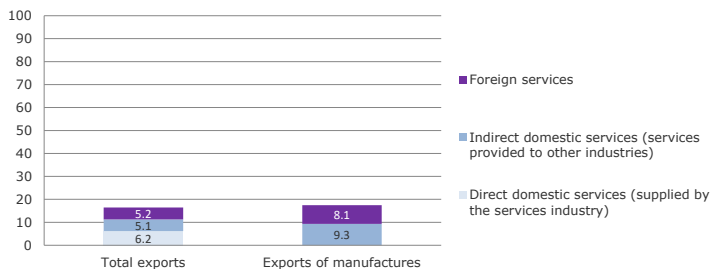
(% share in total foreign content of exports)

1. China	21.6
2. Singapore	12.9
3. United States	8.5

Source: WTO calculations based on the OECD TIVA database.

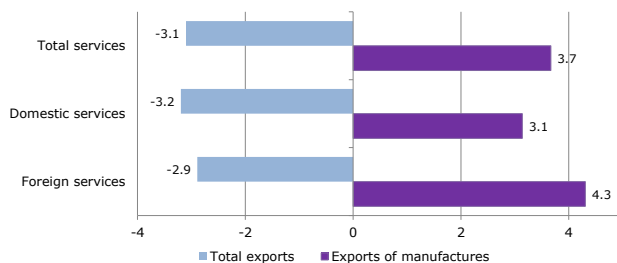
The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



Evolution of the services VA content of exports, 2010-2018

(annual % change)



Services VA contribution to total exports, 2018

Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	4.0
2. Financial services	2.6
3. Scientific/technical activities	1.6

Top foreign services providers to total exports

(% share in total gross exports)

1. Singapore	1.0
2. China	0.8
3. United States	0.6

Services VA contribution to exports of manufactures, 2018

Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	4.5
2. Financial services	3.1
3. Scientific/technical activities	1.3

Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	1.7
2. Singapore	1.1
3. United States	0.8

Source: WTO calculations based on the OECD TIVA database.

TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

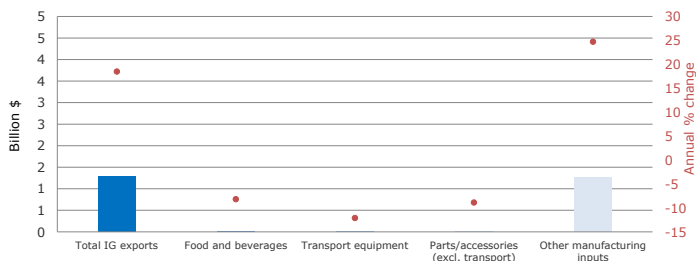
Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	1	95.9	18.5
Commercial services	0	3.7	...
<b>Imports of intermediate</b>			
Goods	2	51.3	5.0
Commercial services	1	52.3	...

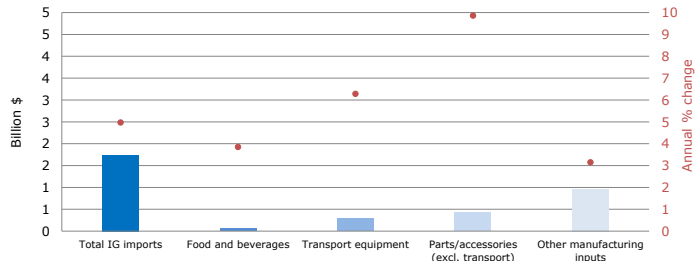
Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	1	67.5
2. Singapore	0	15.2
3. Chinese Taipei	0	4.3

Top origins of imports of intermediate goods

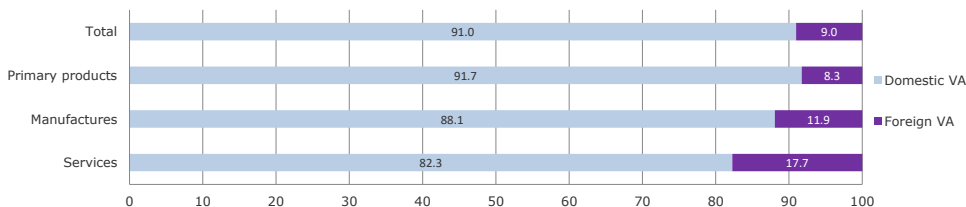
(Billion \$ and %)

	2020	2020 share in total
1. Singapore	0	19.2
2. China	0	17.0
3. Malaysia	0	15.9

Sources: UN Comtrade database and WTO Stats database.

Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

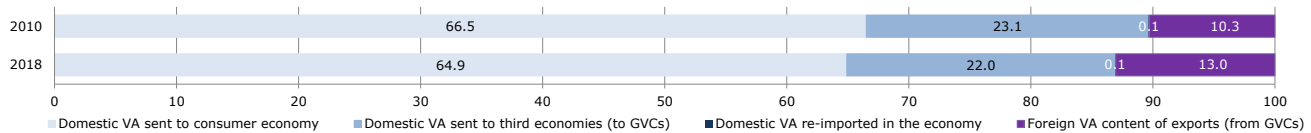


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

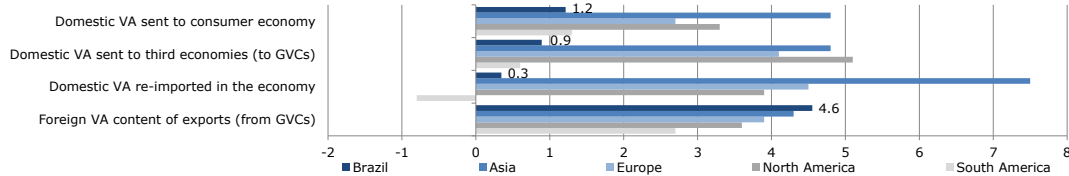
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010-2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Agriculture	89.4	10.6	100.0
2. Food and beverages	88.6	11.4	100.0
3. Wholesale and retail trade	95.3	4.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Agriculture	13.8	1.6
2. Food and beverages	9.6	1.2
3. Wholesale and retail trade	9.1	0.4

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	88.5	11.5	100.0
2. United States	85.0	15.0	100.0
3. Japan	89.1	10.9	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. China	21.5	2.8
2. United States	12.4	2.2
3. Japan	6.3	0.8

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

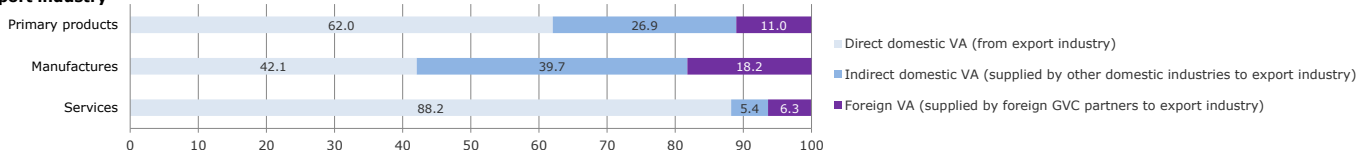
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>24.8</b>	<b>21.6</b>	<b>40.6</b>	<b>2.3</b>	<b>3.9</b>	<b>6.8</b>	<b>100.0</b>
Primary products	62.0	7.2	19.7	1.9	3.1	6.1	100.0
Manufactures	9.6	42.1	30.1	3.4	6.0	8.8	100.0
Services	1.3	4.2	88.2	0.8	1.4	4.2	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

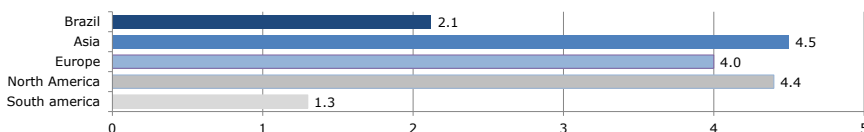
(% share in total gross exports)

## Regional averages

	Brazil	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>35.0</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	22.0	20.0	21.2	22.0	23.5
Backward participation	13.0	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (non-energy products)	14.4
2. Wholesale and retail trade	12.0
3. Agriculture	9.0

## Top exporters of Brazil inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	17.0
2. Japan	10.4
3. United States	7.9

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Basic metals	12.9
2. Agriculture	12.5
3. Food and beverages	9.5

## Top foreign inputs providers

(% share in total foreign content of exports)

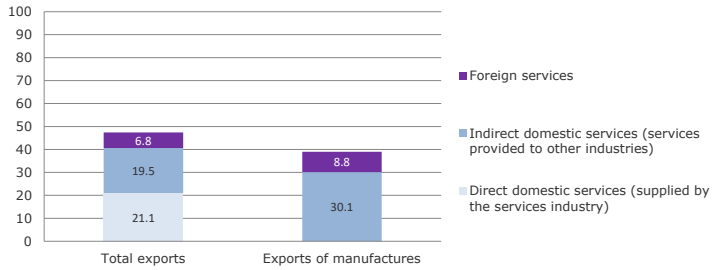
1. United States	19.9
2. China	11.8
3. Germany	6.3

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

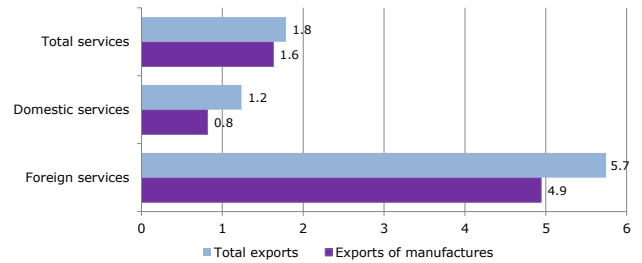
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	14.5
2. Scientific/technical activities	7.6
3. Admin./support activities	3.9

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.6
2. China	0.6
3. Germany	0.5

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	11.4
2. Scientific/technical activities	5.7
3. Land transport	3.9

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	2.0
2. China	0.9
3. Germany	0.6

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

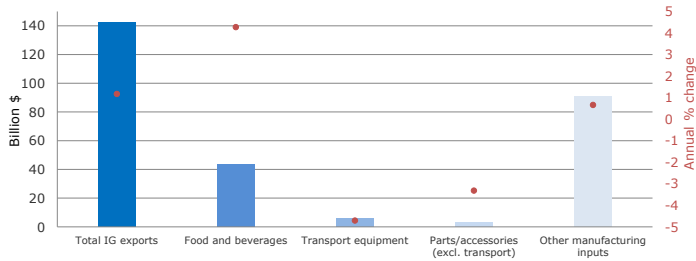
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	143	77.3	1.2
Commercial services	16	57.7	1.2
<b>Imports of intermediate</b>			
Goods	99	66.2	-0.2
Commercial services	27	57.5	1.2

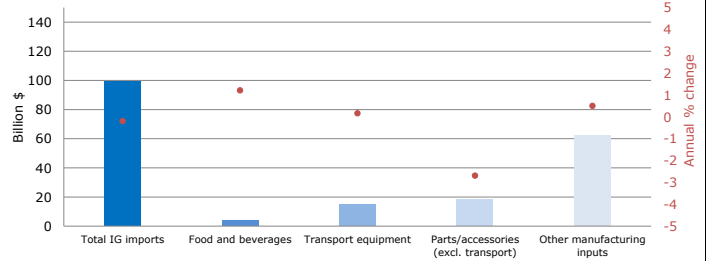
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	50	34.7
2. United States	14	9.6
3. Argentina	5	3.3

### Top origins of imports of intermediate goods

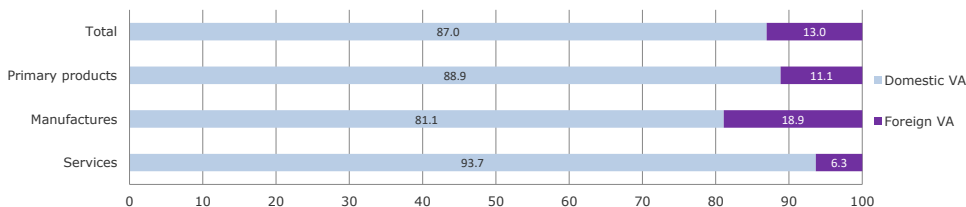
(Billion \$ and %)

	2020	2020 share in total
1. China	23	23.0
2. United States	14	14.6
3. Germany	6	6.2

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

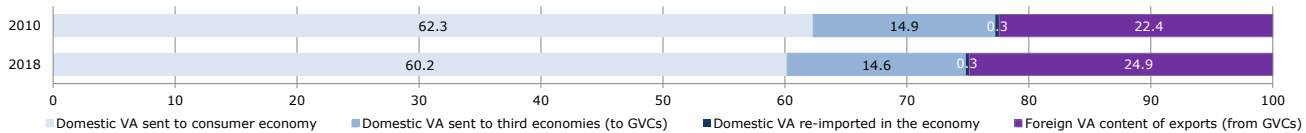


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

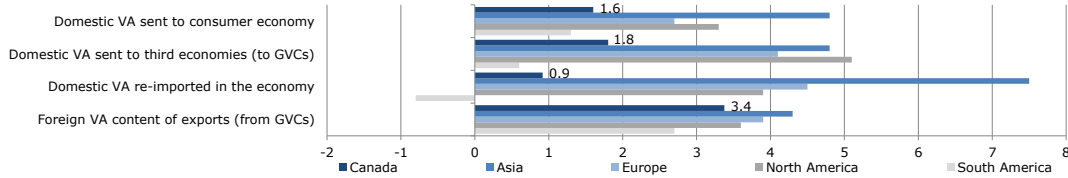
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (energy products)	86.2	13.8	100.0
2. Motor vehicles	47.2	52.8	100.0
3. Wholesale and retail trade	91.5	8.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Mining (energy products)	11.2	1.8
2. Motor vehicles	5.2	5.8
3. Wholesale and retail trade	8.9	0.8

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. United States	73.9	26.1	100.0
2. China	74.5	25.5	100.0
3. Japan	80.7	19.3	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. United States	47.7	16.9
2. China	5.1	1.8
3. Japan	3.3	0.8

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

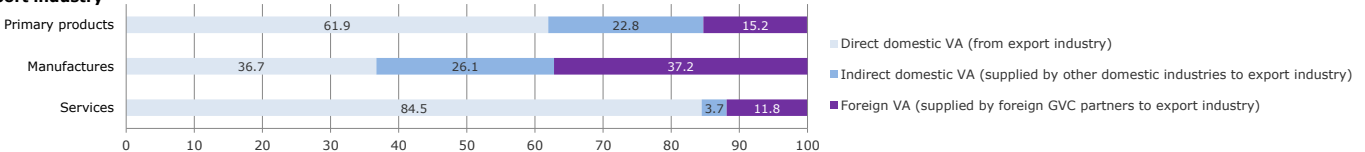
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>15.7</b>	<b>19.2</b>	<b>40.1</b>	<b>3.3</b>	<b>9.3</b>	<b>12.2</b>	<b>100.0</b>
Primary products	61.9	2.9	19.9	2.6	4.9	7.8	100.0
Manufactures	6.6	36.7	19.5	4.8	15.0	17.3	100.0
Services	1.2	2.5	84.5	1.4	3.4	7.1	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

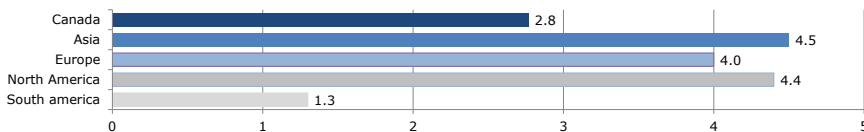
(% share in total gross exports)

## Regional averages

	Canada	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>39.5</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	14.6	20.0	21.2	22.0	23.5
Backward participation	24.9	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (energy products)	15.7
2. Wholesale and retail trade	11.4
3. Mining (non-energy products)	8.5

## Top exporters of Canada inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. United States	37.8
2. China	7.3
3. Mexico	6.0

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	23.3
2. Basic metals	13.8
3. Mining (energy products)	7.2

## Top foreign inputs providers

(% share in total foreign content of exports)

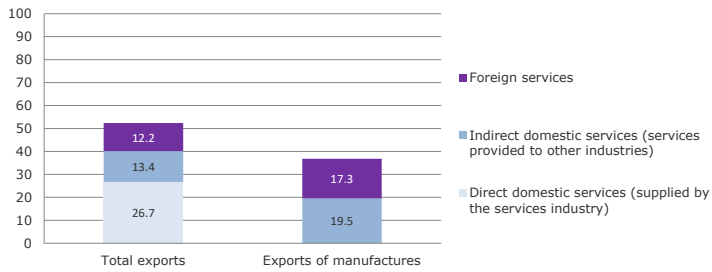
1. United States	49.8
2. China	9.1
3. Mexico	4.4

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

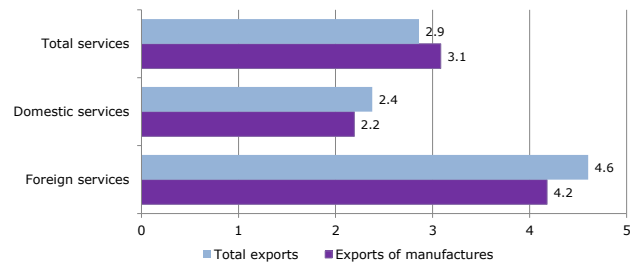
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	14.4
2. Scientific/technical activities	5.3
3. Financial services	5.2

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	6.8
2. China	0.9
3. Mexico	0.5

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	11.8
2. Scientific/technical activities	4.1
3. Financial services	3.9

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	9.7
2. China	1.3
3. Mexico	0.8

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

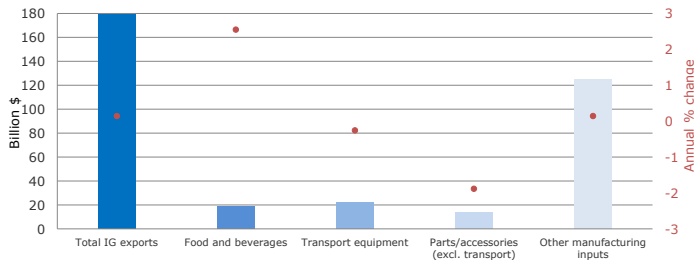
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	179	55.8	0.1
Commercial services	39	46.3	1.8
<b>Imports of intermediate</b>			
Goods	176	45.8	0.3
Commercial services	31	33.9	2.8

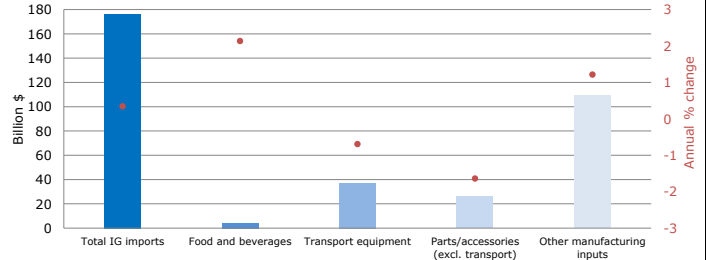
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. United States	111	61.7
2. United Kingdom	13	7.4
3. China	13	7.1

### Top origins of imports of intermediate goods

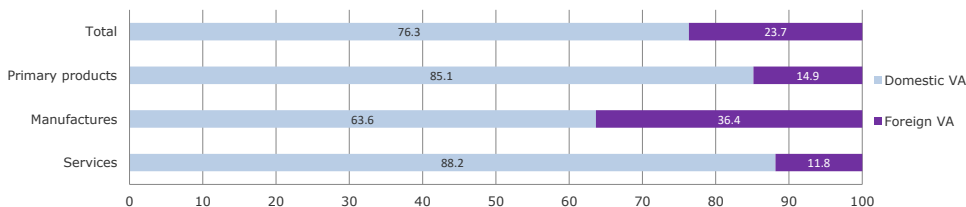
(Billion \$ and %)

	2020	2020 share in total
1. United States	92	51.9
2. China	18	10.3
3. Mexico	8	4.8

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



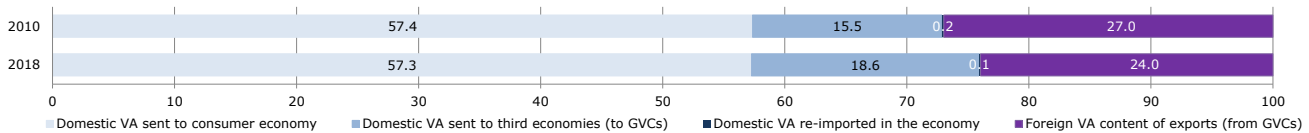
Source: WTO calculations based on the OECD TIVA database.



VALUE ADDED CONTENT OF GROSS EXPORTS

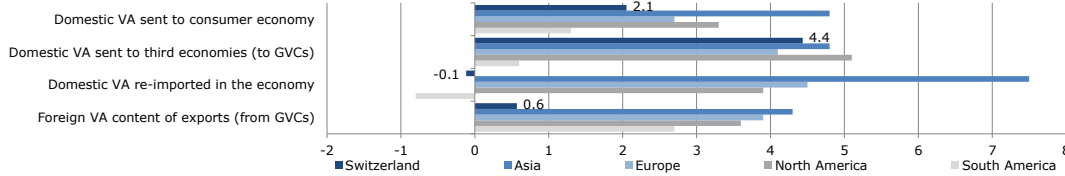
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Pharmaceutical products	74.2	25.8	100.0	11.5	4.0
2. Wholesale and retail trade	85.5	14.5	100.0	9.7	1.7
3. Computer/electronic products	68.9	31.1	100.0	7.4	3.3

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. United States	76.6	23.4	100.0	12.5	3.8
2. Germany	74.7	25.3	100.0	11.3	3.8
3. France	76.1	23.9	100.0	5.8	1.8

Domestic and foreign sectoral VA contribution to gross exports, 2018

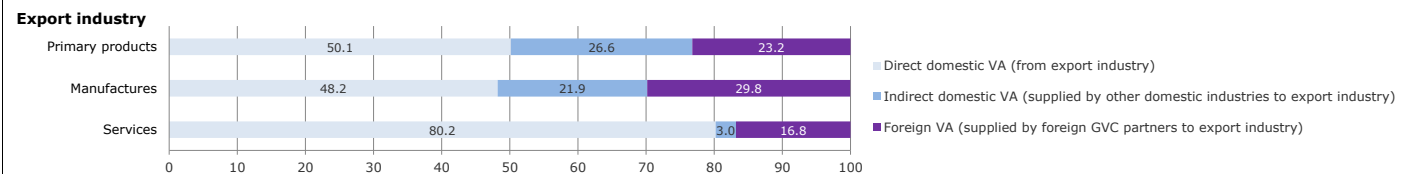
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>0.5</b>	<b>27.7</b>	<b>47.9</b>	<b>2.1</b>	<b>7.7</b>	<b>14.1</b>	<b>100.0</b>
Primary products	50.1	6.2	20.4	5.7	5.5	12.0	100.0
Manufactures	0.6	48.2	21.3	2.8	11.4	15.7	100.0
Services	0.2	2.8	80.2	1.3	3.2	12.3	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

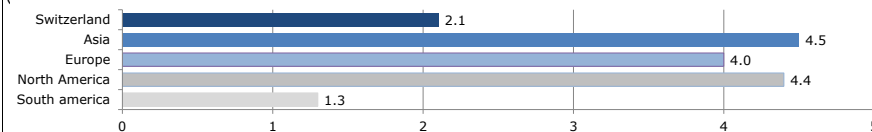
(% share in total gross exports)

Regional averages

	Switzerland	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>42.6</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	18.6	20.0	21.2	22.0	23.5
Backward participation	24.0	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	19.4
2. Financial services	14.5
3. Scientific/technical activities	8.9

Top exporters of Switzerland inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	16.4
2. France	7.1
3. Luxembourg	6.7

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Pharmaceutical products	16.6
2. Computer/electronic products	13.9
3. Other machinery and equipment	9.5

Top foreign inputs providers

(% share in total foreign content of exports)

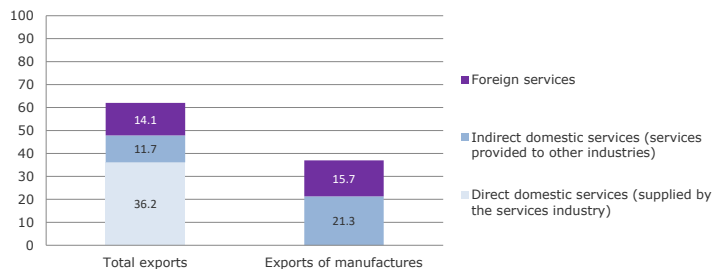
1. Germany	20.2
2. United States	10.6
3. Italy	6.7

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

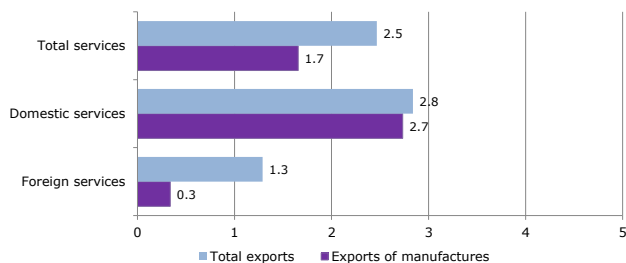
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	16.7
2. Financial services	10.7
3. Scientific/technical activities	8.3

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	2.7
2. United States	1.8
3. Italy	1.0

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	13.0
2. Scientific/technical activities	5.5
3. Admin./support activities	3.1

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	3.3
2. United States	1.9
3. Italy	1.2

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

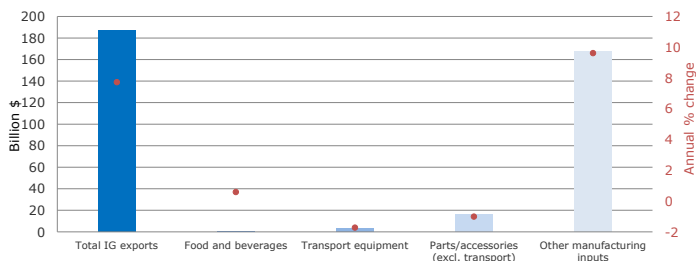
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	187	59.2	7.7
Commercial services	31	27.1	3.3
<b>Imports of intermediate</b>			
Goods	168	59.1	8.6
Commercial services	60	53.0	5.8

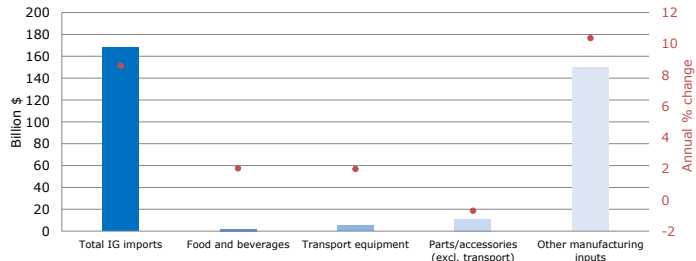
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. United States	49	25.9
2. Germany	29	15.6
3. United Kingdom	11	6.0

### Top origins of imports of intermediate goods

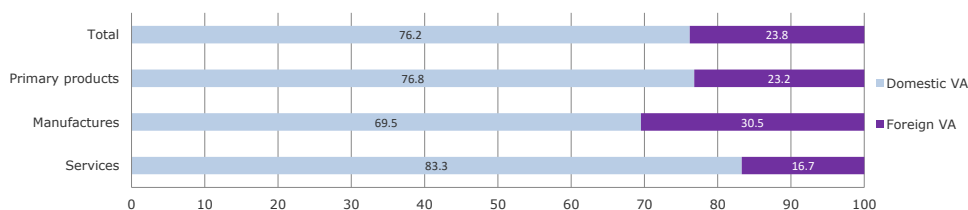
(Billion \$ and %)

	2020	2020 share in total
1. Germany	28	16.4
2. United States	15	8.7
3. United Kingdom	13	7.6

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

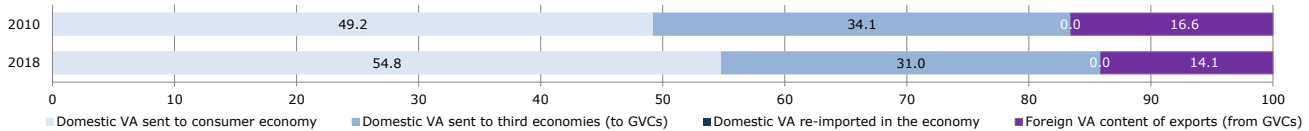


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

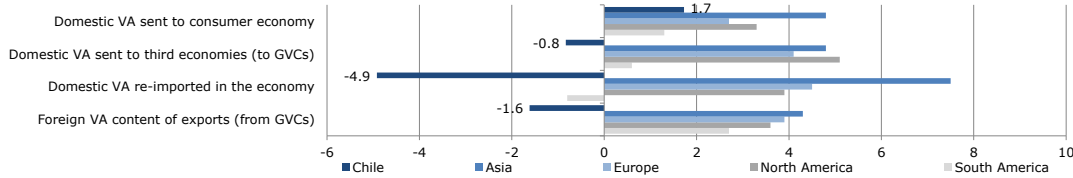
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010-2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Basic metals	86.4	13.6	100.0
2. Mining (non-energy products)	89.4	10.6	100.0
3. Food and beverages	84.7	15.3	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Basic metals	23.0	3.6
2. Mining (non-energy products)	21.0	2.5
3. Food and beverages	9.3	1.7

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	86.1	13.9	100.0
2. Japan	88.7	11.3	100.0
3. United States	85.3	14.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. China	22.7	3.7
2. Japan	17.3	2.2
3. United States	11.3	1.9

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

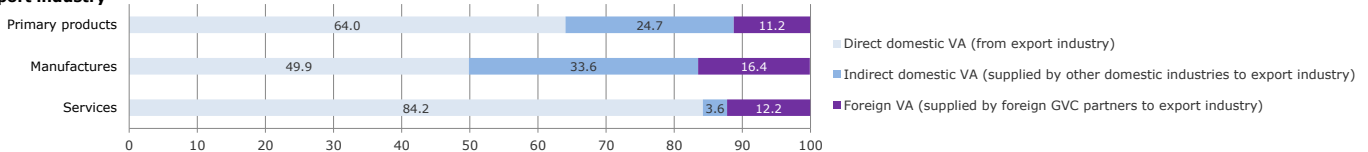
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>22.1</b>	<b>26.9</b>	<b>36.9</b>	<b>3.5</b>	<b>4.3</b>	<b>6.3</b>	<b>100.0</b>
Primary products	64.0	3.2	21.5	2.7	3.5	5.1	100.0
Manufactures	7.2	49.9	26.4	4.2	5.1	7.2	100.0
Services	0.8	2.8	84.2	2.8	3.5	5.9	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

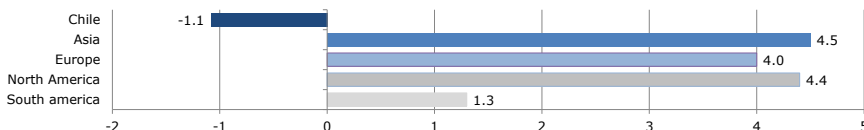
(% share in total gross exports)

## Regional averages

	Chile	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>45.1</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	31.0	20.0	21.2	22.0	23.5
Backward participation	14.1	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (non-energy products)	30.5
2. Basic metals	23.7
3. Scientific/technical activities	8.5

## Top exporters of Chile inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Japan	22.2
2. China	20.1
3. Korea, Republic of	8.3

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Basic metals	25.5
2. Mining (non-energy products)	17.7
3. Food and beverages	11.9

## Top foreign inputs providers

(% share in total foreign content of exports)

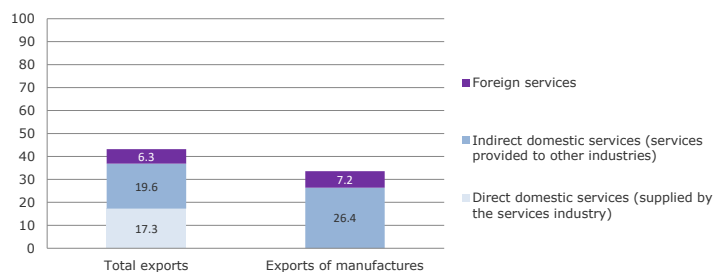
1. United States	22.7
2. China	13.3
3. Brazil	9.0

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

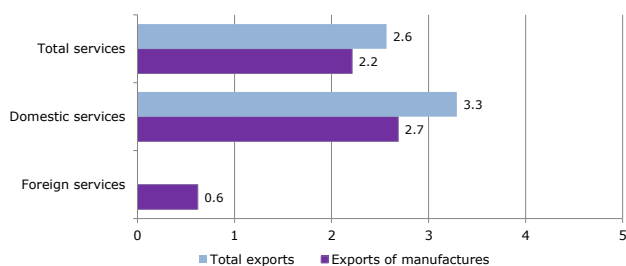
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	9.5
2. Scientific/technical activities	7.8
3. Admin./support activities	4.4

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.7
2. China	0.7
3. Brazil	0.5

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Scientific/technical activities	7.9
2. Wholesale and retail trade	6.5
3. Electricity/gas supply	4.1

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	1.8
2. China	0.9
3. Brazil	0.6

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

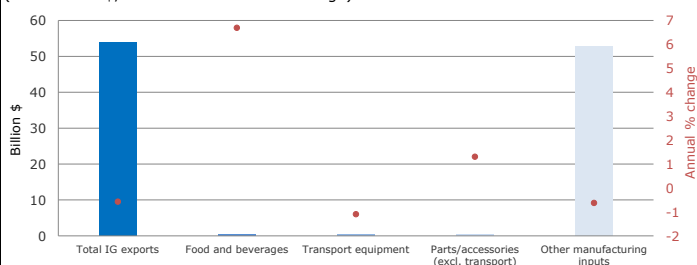
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	54	74.0	-0.6
Commercial services	3	39.8	1.6
<b>Imports of intermediate</b>			
Goods	21	40.6	0.7
Commercial services	3	29.2	3.0

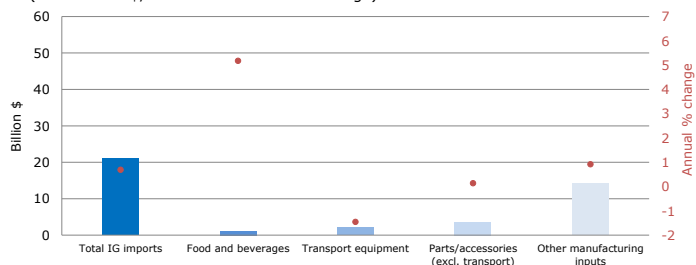
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	25	47.1
2. United States	5	9.6
3. Japan	5	8.8

### Top origins of imports of intermediate goods

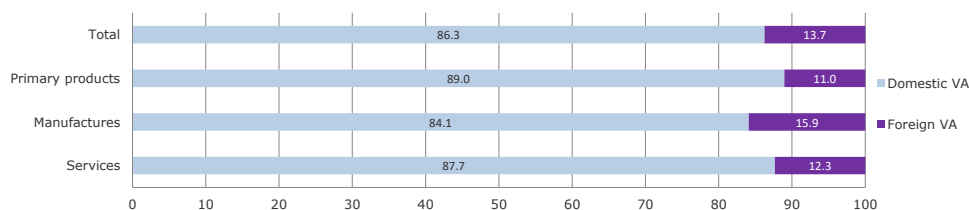
(Billion \$ and %)

	2020	2020 share in total
1. China	5	23.0
2. United States	4	18.0
3. Argentina	1	7.0

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

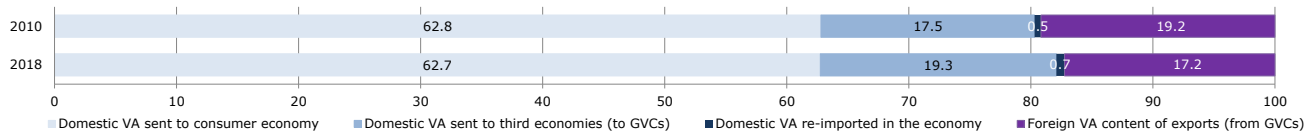


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

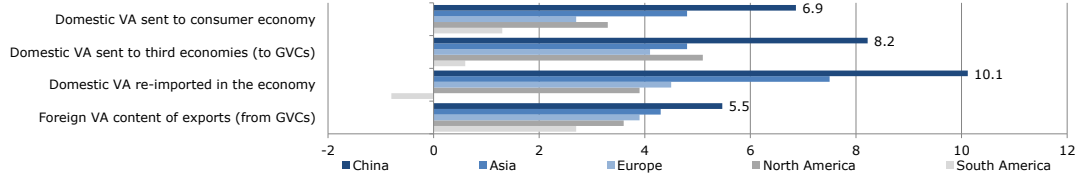
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Computer/electronic products	72.9	27.1	100.0
2. Textiles and clothing	87.0	13.0	100.0
3. Electrical equipment	81.2	18.8	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Computer/electronic products	15.9	5.9
2. Textiles and clothing	9.9	1.5
3. Electrical equipment	6.7	1.6

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. United States	82.7	17.3	100.0
2. Japan	83.8	16.2	100.0
3. Korea, Republic of	83.2	16.8	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. United States	16.7	3.5
2. Japan	6.6	1.3
3. Korea, Republic of	4.2	0.9

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

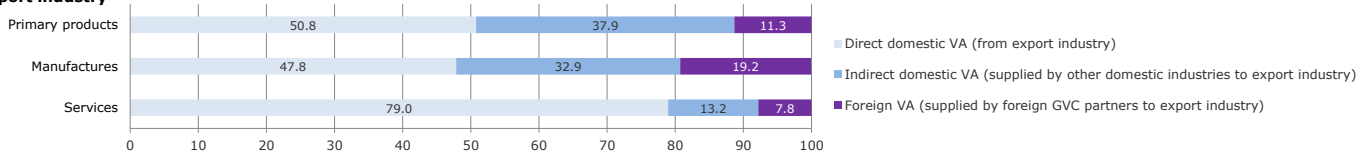
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>7.5</b>	<b>41.0</b>	<b>34.2</b>	<b>4.5</b>	<b>6.3</b>	<b>6.4</b>	<b>100.0</b>
Primary products	50.8	15.1	22.8	4.4	2.8	4.1	100.0
Manufactures	7.5	47.8	25.4	4.9	7.3	7.1	100.0
Services	3.1	10.1	79.0	2.5	2.0	3.3	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

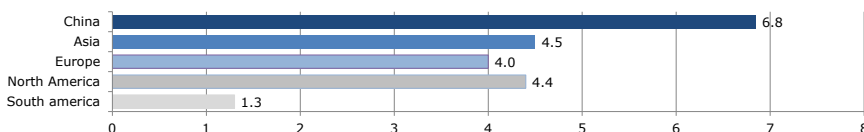
(% share in total gross exports)

## Regional averages

	China	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>36.6</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	19.3	20.0	21.2	22.0	23.5
Backward participation	17.2	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	11.8
2. Computer/electronic products	8.3
3. Basic metals	7.6

## Top exporters of China inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Korea, Republic of	8.0
2. Viet Nam	7.6
3. Mexico	6.7

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Computer/electronic products	34.2
2. Electrical equipment	9.1
3. Textiles and clothing	8.6

## Top foreign inputs providers

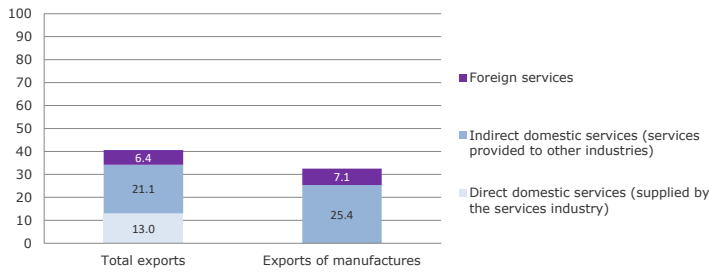
(% share in total foreign content of exports)

1. Korea, Republic of	11.8
2. United States	9.7
3. Japan	8.9

Source: WTO calculations based on the OECD TIVA database.

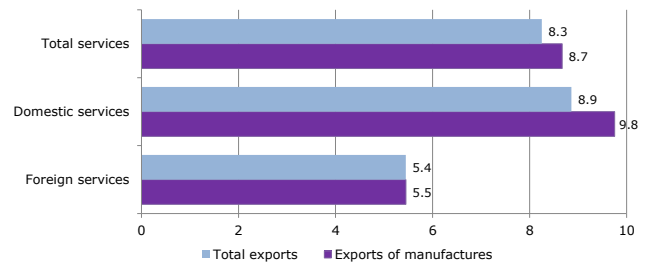
The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



Evolution of the services VA content of exports, 2010-2018

(annual % change)



Services VA contribution to total exports, 2018

Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	13.0
2. Financial services	5.5
3. Land transport	4.1

Top foreign services providers to total exports

(% share in total gross exports)

1. United States	0.9
2. Japan	0.6
3. Korea, Republic of	0.6

Services VA contribution to exports of manufactures, 2018

Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.3
2. Financial services	4.9
3. Land transport	3.3

Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	1.0
2. Japan	0.7
3. Korea, Republic of	0.7

Source: WTO calculations based on the OECD TIVA database.

TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

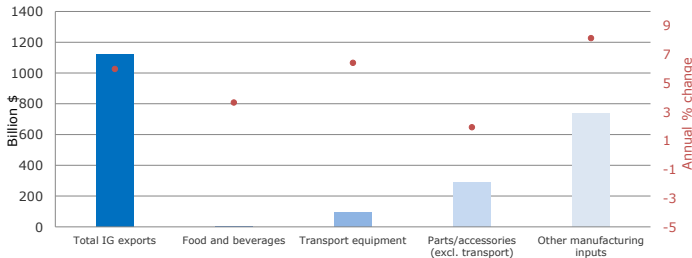
Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	1123	43.9	6.0
Commercial services	134	48.4	29.1
<b>Imports of intermediate</b>			
Goods	1315	73.0	4.0
Commercial services	83	22.1	35.2

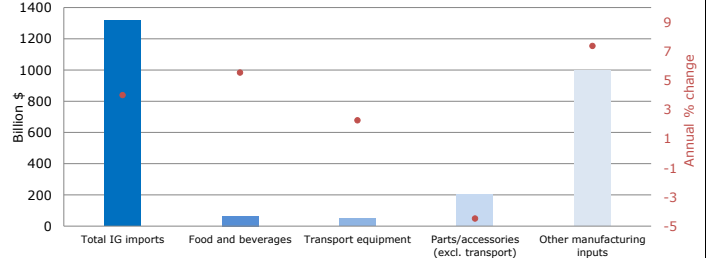
Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Hong Kong, China	138	12.3
2. United States	127	11.3
3. Viet Nam	78	6.9

Top origins of imports of intermediate goods

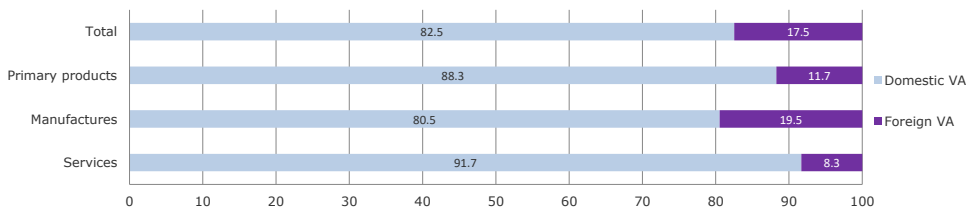
(Billion \$ and %)

	2020	2020 share in total
1. Chinese Taipei	172	13.1
2. Korea, Republic of	139	10.6
3. Japan	106	8.0

Sources: UN Comtrade database and WTO Stats database.

Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

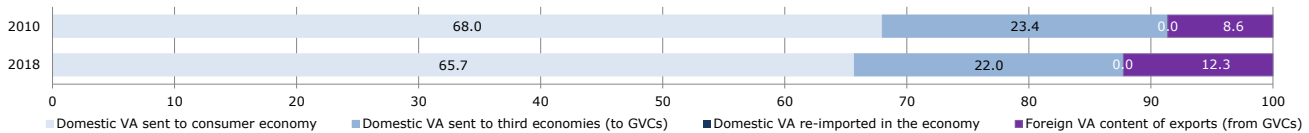


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

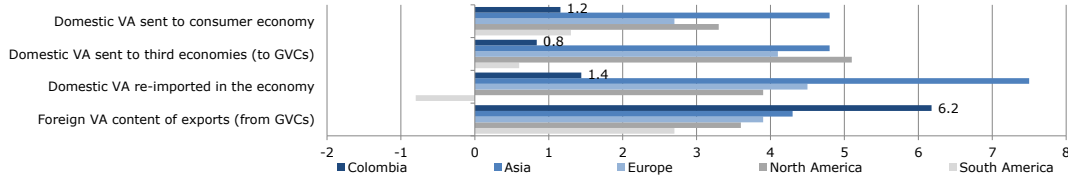
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010-2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (energy products)	91.2	8.8	100.0
2. Food and beverages	86.5	13.5	100.0
3. Wholesale and retail trade	92.9	7.1	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	30.5	2.9
	7.9	1.2
	6.3	0.5

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. United States	88.6	11.4	100.0
2. China	89.4	10.6	100.0
3. Mexico	85.9	14.1	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	25.4	3.3
	10.6	1.3
	4.9	0.8

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

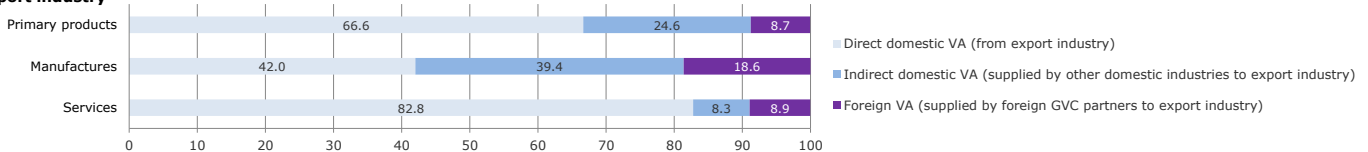
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>32.4</b>	<b>18.1</b>	<b>37.3</b>	<b>2.2</b>	<b>4.1</b>	<b>6.0</b>	<b>100.0</b>
Primary products	66.6	5.1	19.5	1.7	2.7	4.4	100.0
Manufactures	14.6	42.0	24.7	3.3	6.7	8.7	100.0
Services	3.1	5.2	82.8	1.4	2.6	5.0	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

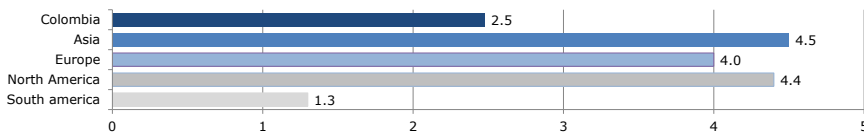
(% share in total gross exports)

## Regional averages

	Colombia	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>34.3</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	22.0	20.0	21.2	22.0	23.5
Backward participation	12.3	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (energy products)	38.4
2. Wholesale and retail trade	8.4
3. Land transport	5.4

## Top exporters of Colombia inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. United States	15.7
2. China	11.7
3. Mexico	9.5

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Mining (energy products)	23.9
2. Food and beverages	10.1
3. Petroleum products	9.9

## Top foreign inputs providers

(% share in total foreign content of exports)

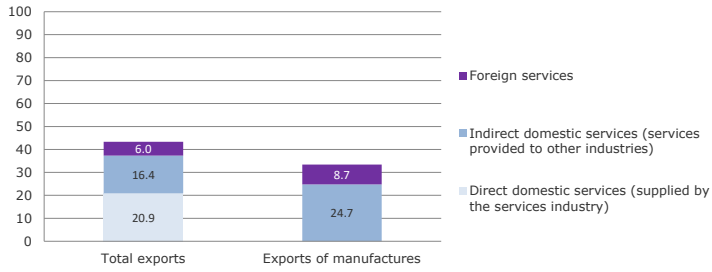
1. United States	31.7
2. China	11.4
3. Mexico	6.0

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

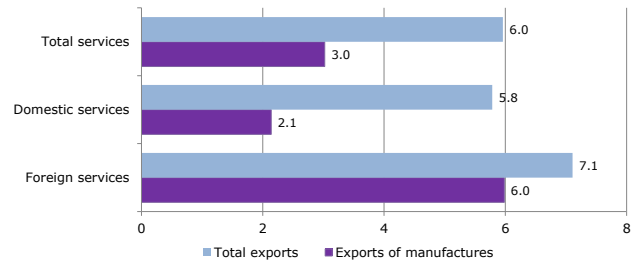
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

Industry	% share in total gross exports
1. Wholesale and retail trade	10.8
2. Land transport	5.3
3. Admin./support activities	4.7

#### Top foreign services providers to total exports

Country	% share in total gross exports
1. United States	2.2
2. China	0.5
3. Mexico	0.4

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

Industry	% share in gross exports of manufactures
1. Wholesale and retail trade	10.2
2. Land transport	3.9
3. Admin./support activities	3.2

#### Top foreign services providers to exports of manufactures

Country	% share in gross exports of manufactures
1. United States	3.1
2. China	0.8
3. Mexico	0.6

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

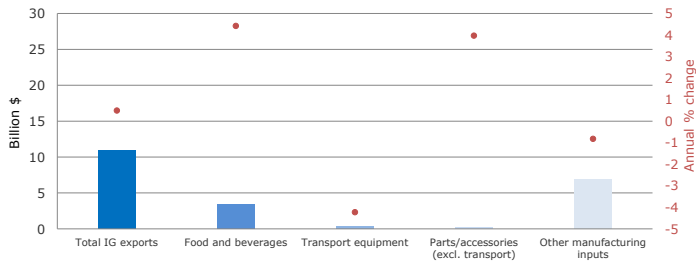
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	11	59.9	0.5
Commercial services	2	39.2	8.2
<b>Imports of intermediate</b>			
Goods	21	51.1	0.8
Commercial services	2	22.7	-0.4

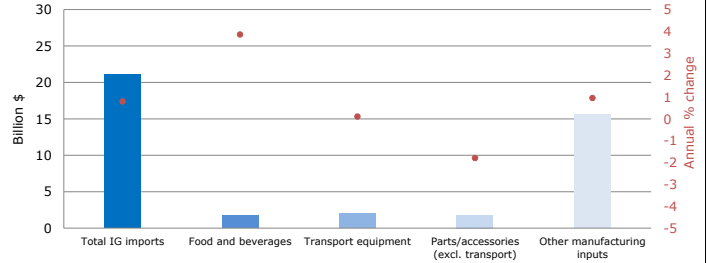
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. United States	3	29.2
2. Italy	1	7.3
3. Brazil	1	5.9

### Top origins of imports of intermediate goods

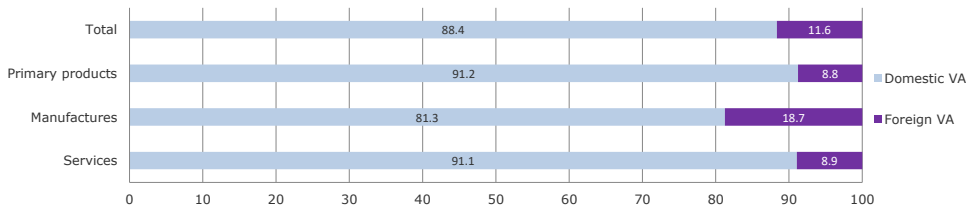
(Billion \$ and %)

	2020	2020 share in total
1. United States	6	29.9
2. China	4	18.3
3. Brazil	1	6.4

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



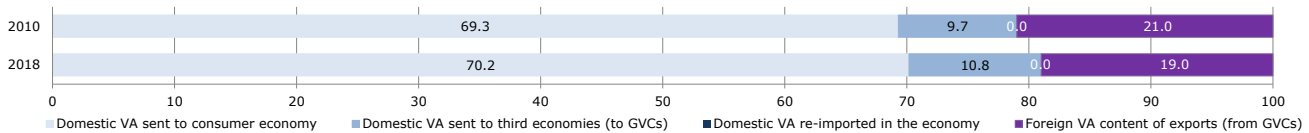
Source: WTO calculations based on the OECD TIVA database.



VALUE ADDED CONTENT OF GROSS EXPORTS

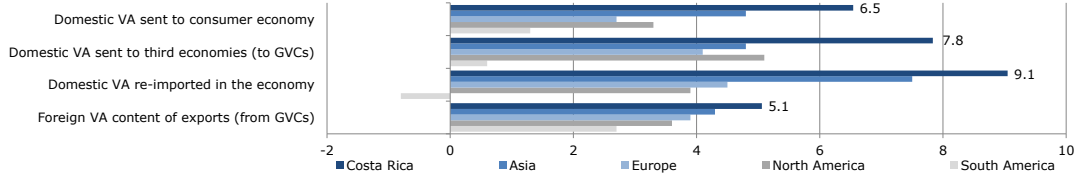
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Other manufacturing equipmer	73.8	26.2	100.0	11.5	4.1
2. Food and beverages	77.5	22.5	100.0	9.9	2.9
3. Agriculture	80.4	19.6	100.0	8.6	2.1

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. United States	80.6	19.4	100.0	27.2	6.5
2. China	83.8	16.2	100.0	5.5	1.1
3. Netherlands	84.8	15.2	100.0	4.4	0.8

Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

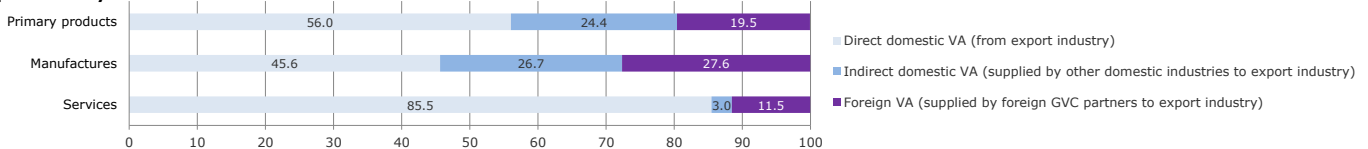
Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>8.2</b>	<b>20.2</b>	<b>52.6</b>	<b>2.4</b>	<b>6.3</b>	<b>10.3</b>	<b>100.0</b>
Primary products	56.0	4.6	19.8	3.1	6.7	9.8	100.0
Manufactures	4.2	45.6	22.5	3.4	10.1	14.2	100.0
Services	0.8	2.2	85.5	1.4	2.9	7.2	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

Export industry



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

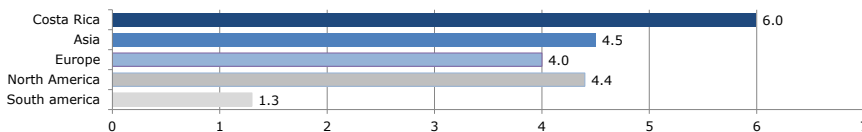
(% share in total gross exports)

Regional averages

	Costa Rica	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>29.8</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	10.8	20.0	21.2	22.0	23.5
Backward participation	19.0	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Scientific/technical activities	18.3
2. Agriculture	12.6
3. Admin./support activities	10.3

Top exporters of Costa Rica inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Netherlands	13.5
2. United States	10.8
3. Germany	5.2

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Other manufacturing equipment	21.6
2. Food and beverages	15.1
3. Agriculture	11.1

Top foreign inputs providers

(% share in total foreign content of exports)

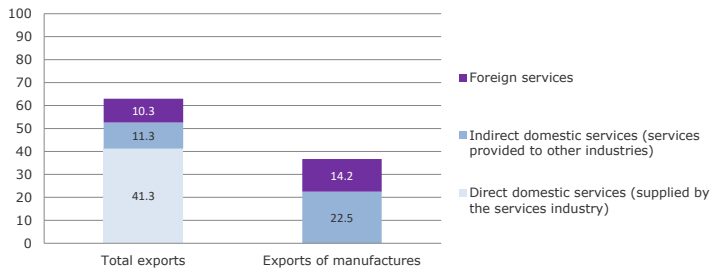
1. United States	38.2
2. China	8.7
3. Mexico	4.5

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

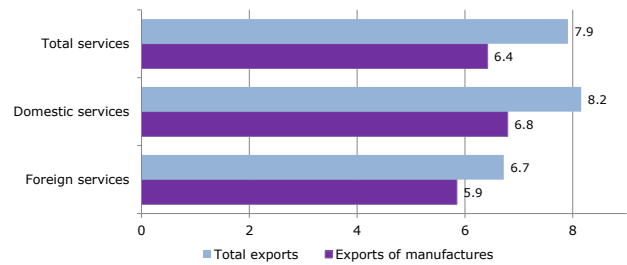
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	11.5
2. Scientific/technical activities	10.3
3. Admin./support activities	7.1

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	4.5
2. China	0.6
3. Mexico	0.5

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	9.5
2. Scientific/technical activities	6.1
3. Admin./support activities	5.2

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	6.0
2. China	1.1
3. Mexico	0.8

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

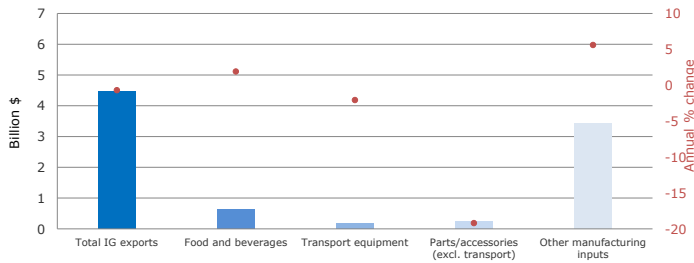
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	4	38.4	-0.7
Commercial services	5	71.8	10.3
<b>Imports of intermediate</b>			
Goods	7	48.1	-1.0
Commercial services	1	22.5	9.6

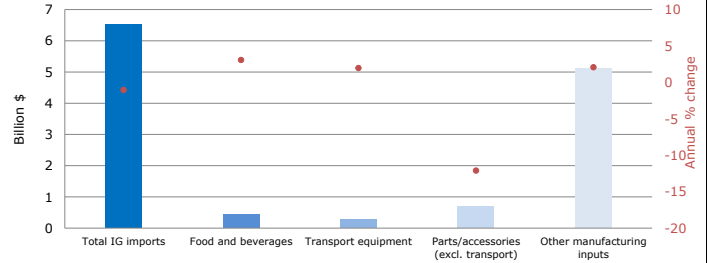
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. United States	2	43.9
2. Netherlands	0	5.5
3. Guatemala	0	5.4

### Top origins of imports of intermediate goods

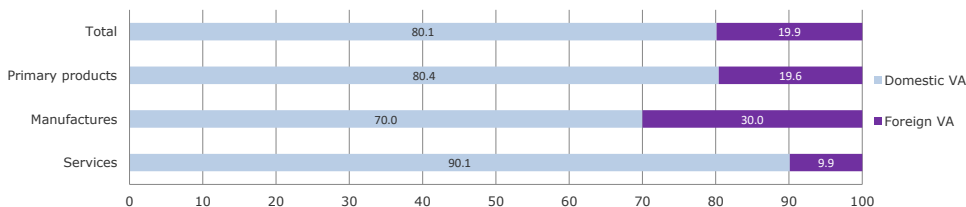
(Billion \$ and %)

	2020	2020 share in total
1. United States	2	38.1
2. China	1	12.6
3. Mexico	0	6.1

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

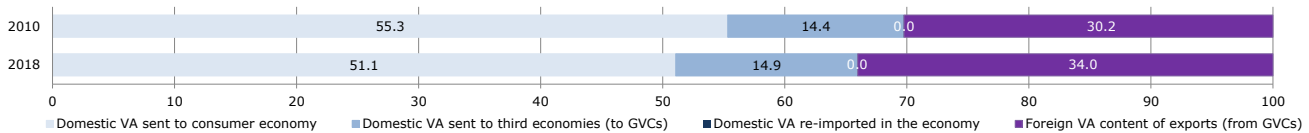


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

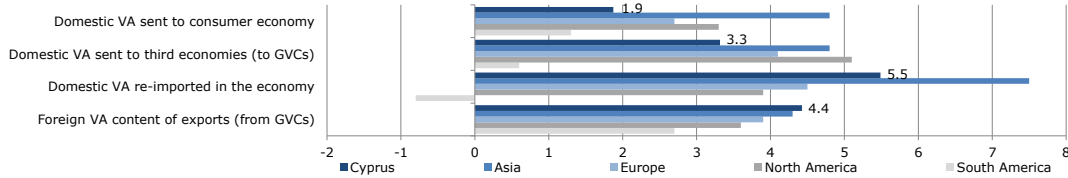
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010-2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Financial services	65.7	34.3	100.0
2. Warehousing for transportator	52.3	47.7	100.0
3. IT services	41.5	58.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Financial services	18.3	9.6
2. Warehousing for transportator	5.8	5.3
3. IT services	4.2	6.0

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Russian Federation	64.1	35.9	100.0
2. Greece	66.6	33.4	100.0
3. United Kingdom	72.4	27.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Russian Federation	11.1	6.2
2. Greece	5.4	2.7
3. United Kingdom	5.8	2.2

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

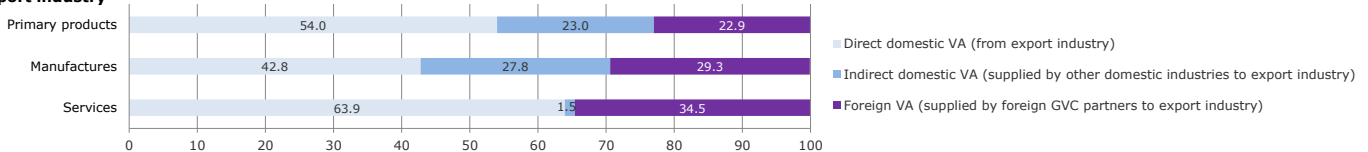
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>1.4</b>	<b>4.5</b>	<b>60.1</b>	<b>1.4</b>	<b>4.4</b>	<b>28.2</b>	<b>100.0</b>
Primary products	54.0	3.3	19.7	3.3	5.2	14.5	100.0
Manufactures	5.2	42.8	22.6	3.8	8.0	17.6	100.0
Services	0.2	1.3	63.9	1.2	4.0	29.3	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

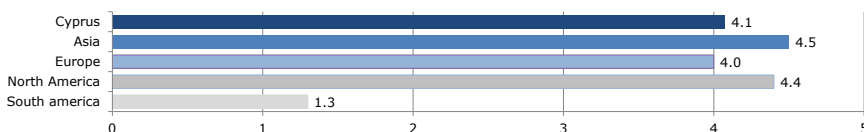
(% share in total gross exports)

## Regional averages

	Cyprus	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>48.9</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	14.9	20.0	21.2	22.0	23.5
Backward participation	34.0	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Financial services	23.0
2. Scientific/technical activities	18.1
3. Water transport	10.3

## Top exporters of Cyprus inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Russian Federation	11.2
2. Germany	9.1
3. Greece	6.8

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Financial services	28.1
2. IT services	17.5
3. Warehousing for transportation	15.6

## Top foreign inputs providers

(% share in total foreign content of exports)

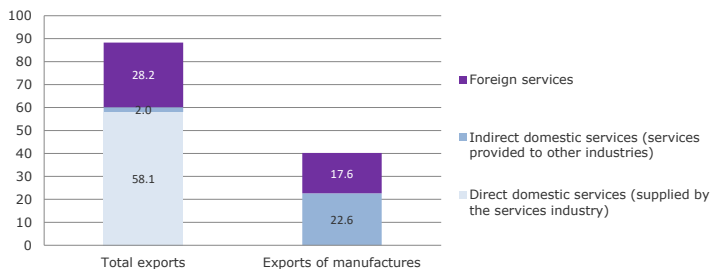
1. Russian Federation	17.3
2. United Kingdom	10.6
3. Israel	10.6

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

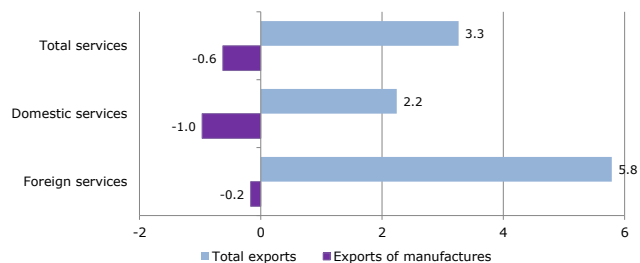
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Financial services	21.1
2. Scientific/technical activities	11.6
3. IT services	10.1

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Russian Federation	5.1
2. Israel	3.5
3. United Kingdom	3.1

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	13.4
2. Financial services	4.8
3. Scientific/technical activities	3.7

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Greece	2.3
2. Russian Federation	2.0
3. United Kingdom	1.4

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

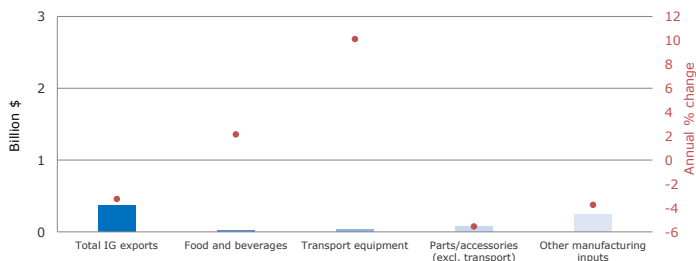
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	0	14.0	-3.3
Commercial services	4	28.1	15.5
<b>Imports of intermediate</b>			
Goods	2	30.1	-0.5
Commercial services	3	36.4	15.7

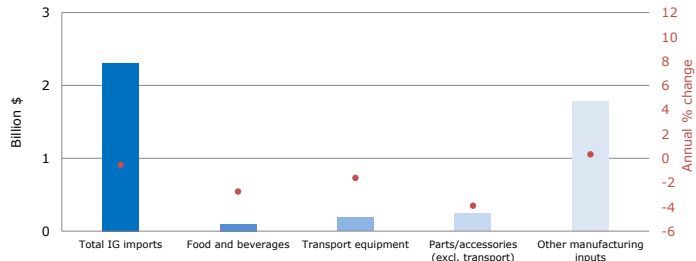
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Greece	0.11	29.6
2. United States	0.05	13.3
3. Israel	0.05	12.1

### Top origins of imports of intermediate goods

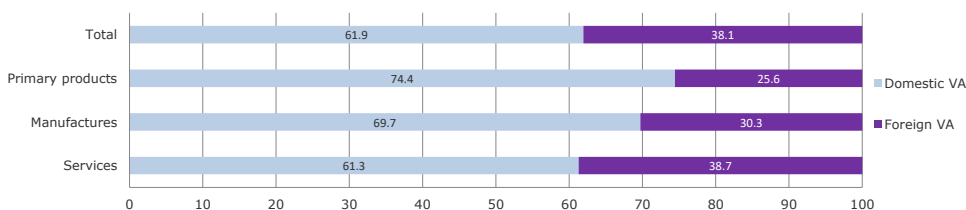
(Billion \$ and %)

	2020	2020 share in total
1. Greece	0.6	24.3
2. Italy	0.3	11.4
3. China	0.2	7.8

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

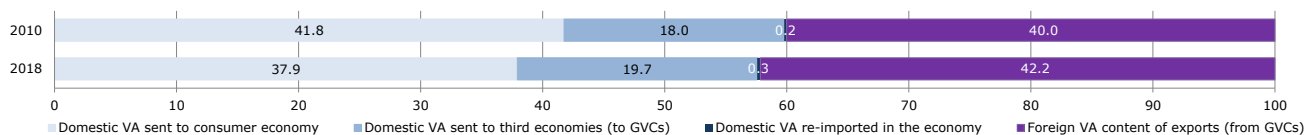


Source: WTO calculations based on the OECD TIVA database.

### VALUE ADDED CONTENT OF GROSS EXPORTS

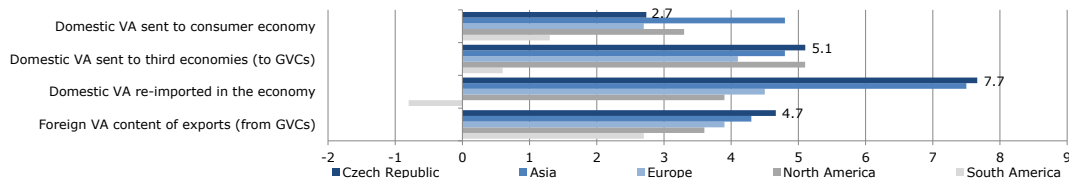
#### The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



#### Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



#### Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Motor vehicles	42.6	57.4	100.0
2. Computer/electronic products	44.7	55.3	100.0
3. Other machinery and equipment	57.5	42.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Motor vehicles	10.9	14.7
2. Computer/electronic products	3.3	4.0
3. Other machinery and equipment	3.9	2.9

#### Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	56.4	43.6	100.0
2. Slovak Republic	61.2	38.8	100.0
3. Poland	58.5	41.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Germany	14.8	11.4
2. Slovak Republic	4.0	2.5
3. Poland	3.5	2.5

#### Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

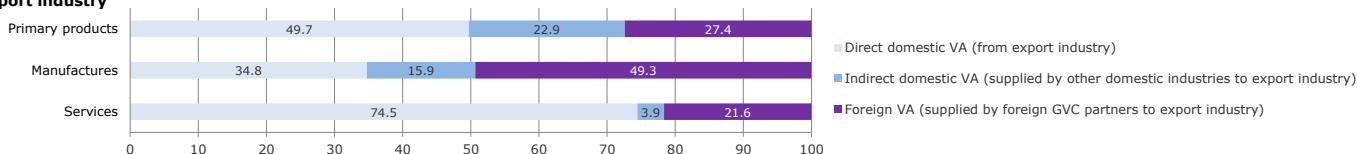
##### Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>2.0</b>	<b>26.5</b>	<b>29.4</b>	<b>4.2</b>	<b>17.5</b>	<b>20.5</b>	<b>100.0</b>
Primary products	49.7	4.9	18.0	4.4	8.9	14.1	100.0
Manufactures	1.3	34.8	14.6	4.7	21.6	23.0	100.0
Services	0.8	3.1	74.5	2.7	5.7	13.2	100.0

#### Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

##### Export industry



Source: WTO calculations based on the OECD TIVA database.

### PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

#### GVC participation index, 2018

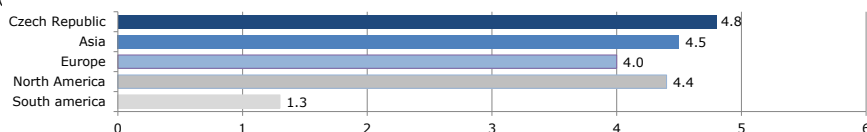
(% share in total gross exports)

##### Regional averages

	Czech Republic	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>61.8</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	19.7	20.0	21.2	22.0	23.5
Backward participation	42.2	24.4	27.6	15.8	13.0

#### Evolution of total GVC participation, 2010-2018

(annual % change)



#### Forward GVC participation, 2018

##### Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	14.6
2. Motor vehicles	11.1
3. Metal products	6.9

##### Top exporters of Czech Republic inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	25.0
2. Slovak Republic	9.0
3. Poland	6.7

#### Backward GVC participation, 2018

##### Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	34.8
2. Computer/electronic products	9.6
3. Other machinery and equipment	6.9

##### Top foreign inputs providers

(% share in total foreign content of exports)

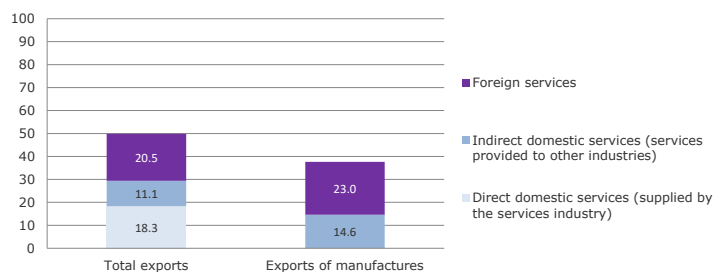
1. Germany	22.7
2. China	8.1
3. Poland	7.3

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

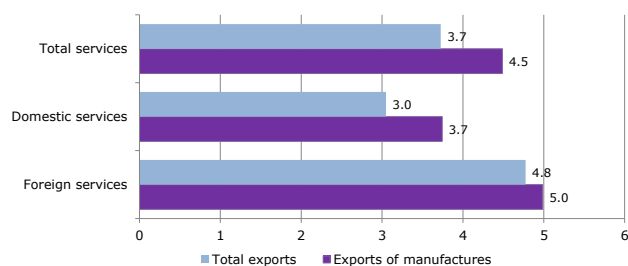
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	14.7
2. Scientific/technical activities	5.9
3. Land transport	5.0

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	4.5
2. Poland	1.6
3. China	1.4

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	12.6
2. Scientific/technical activities	4.6
3. Land transport	2.8

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	5.1
2. Poland	1.9
3. China	1.6

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

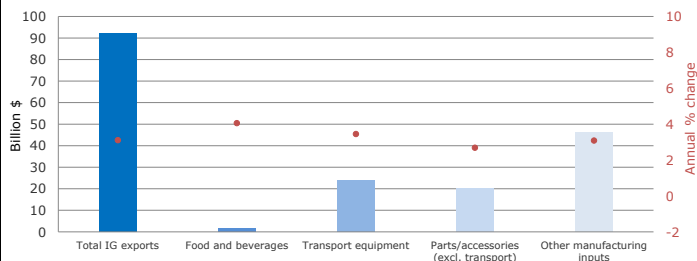
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	92	48.5	3.1
Commercial services	11	42.3	6.1
<b>Imports of intermediate</b>			
Goods	89	54.1	2.6
Commercial services	8	39.2	3.9

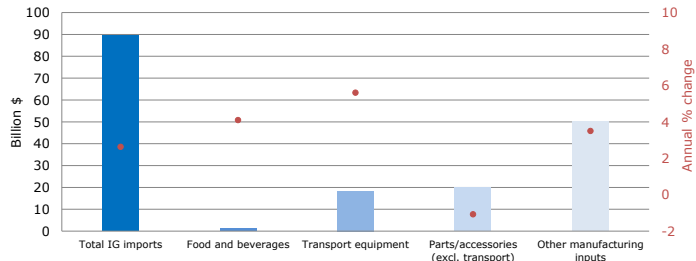
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	32	34.4
2. Slovakia	7	7.3
3. Poland	6	6.7

### Top origins of imports of intermediate goods

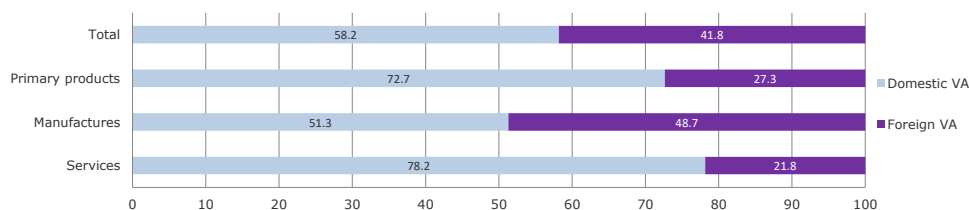
(Billion \$ and %)

	2020	2020 share in total
1. Germany	25	27.6
2. China	9	9.8
3. Poland	8	9.3

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

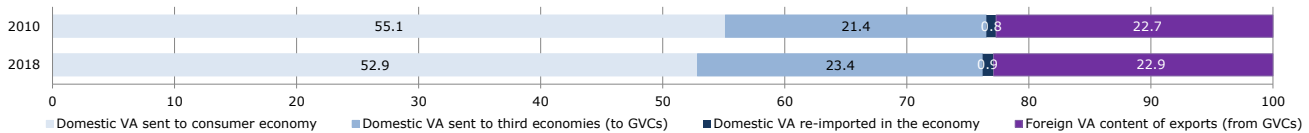


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

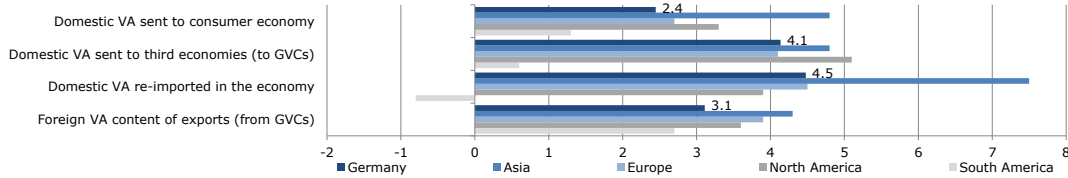
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010-2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Motor vehicles	72.8	27.2	100.0
2. Other machinery and equipment	75.3	24.7	100.0
3. Wholesale and retail trade	90.4	9.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Motor vehicles	11.8	4.4
2. Other machinery and equipment	8.7	2.9
3. Wholesale and retail trade	8.5	0.9

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. United States	77.8	22.2	100.0
2. China	77.0	23.0	100.0
3. France	76.5	23.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. United States	7.2	2.0
2. China	6.1	1.8
3. France	5.7	1.7

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

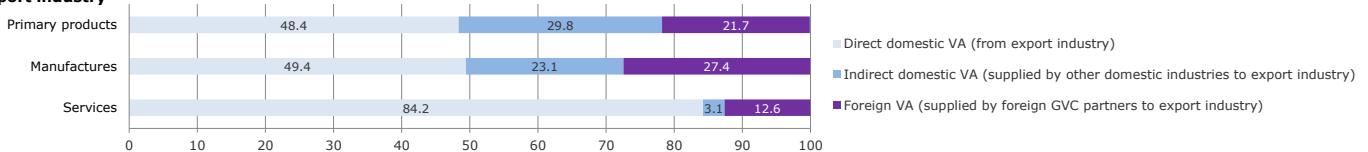
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>0.8</b>	<b>34.9</b>	<b>41.4</b>	<b>3.2</b>	<b>7.6</b>	<b>12.1</b>	<b>100.0</b>
Primary products	48.4	5.6	24.3	7.7	4.4	9.7	100.0
Manufactures	0.4	49.4	22.7	3.8	10.0	13.6	100.0
Services	0.1	3.0	84.2	1.6	2.2	8.8	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

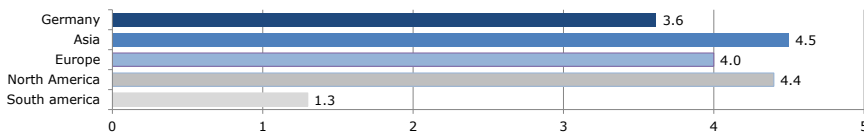
(% share in total gross exports)

## Regional averages

	Germany	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>46.2</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	23.4	20.0	21.2	22.0	23.5
Backward participation	22.9	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	11.5
2. Scientific/technical activities	8.3
3. Motor vehicles	8.0

## Top exporters of Germany inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. France	7.4
2. Italy	5.7
3. Netherlands	5.5

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	19.2
2. Other machinery and equipment	12.5
3. Chemical products	9.7

## Top foreign inputs providers

(% share in total foreign content of exports)

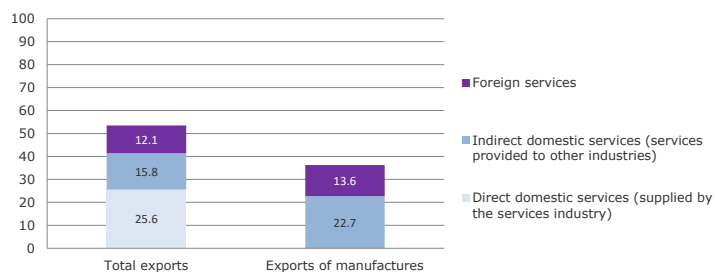
1. United States	9.2
2. China	7.2
3. France	6.8

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

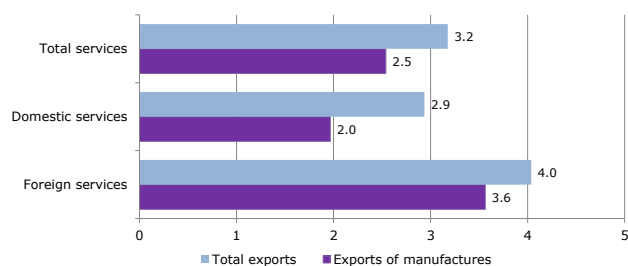
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	12.5
2. Scientific/technical activities	7.5
3. Admin./support activities	5.4

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.4
2. France	1.0
3. United Kingdom	0.7

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	8.4
2. Scientific/technical activities	5.1
3. Admin./support activities	4.3

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	1.5
2. France	1.2
3. China	0.8

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

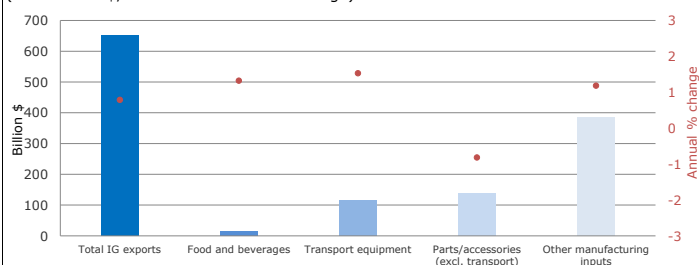
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	651	47.9	0.8
Commercial services	124	40.6	4.1
<b>Imports of intermediate</b>			
Goods	544	49.4	0.7
Commercial services	137	44.7	4.6

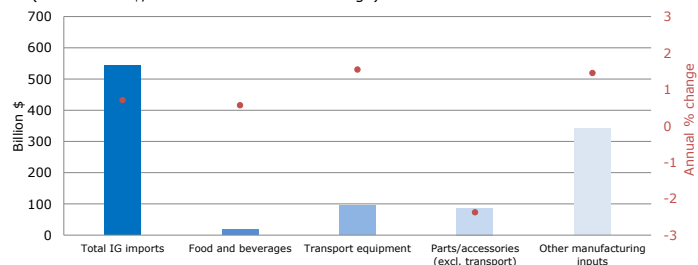
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. United States	55	8.5
2. China	54	8.3
3. France	48	7.3

### Top origins of imports of intermediate goods

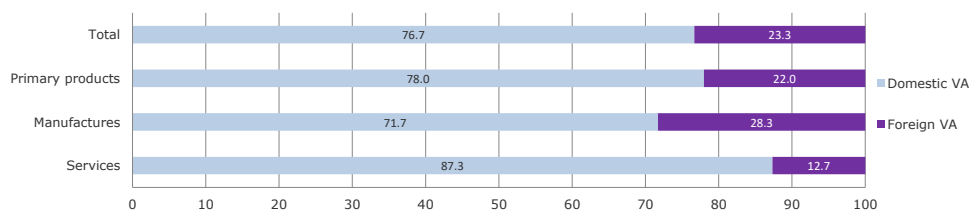
(Billion \$ and %)

	2020	2020 share in total
1. China	42	7.8
2. United States	40	7.3
3. Netherlands	39	7.1

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



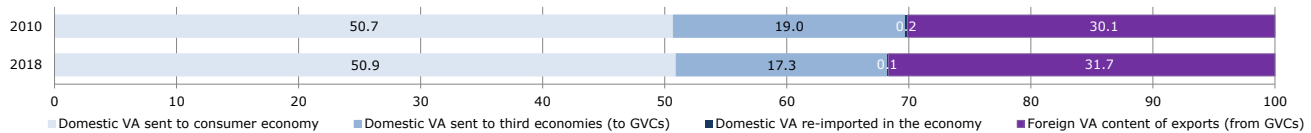
Source: WTO calculations based on the OECD TIVA database.



## VALUE ADDED CONTENT OF GROSS EXPORTS

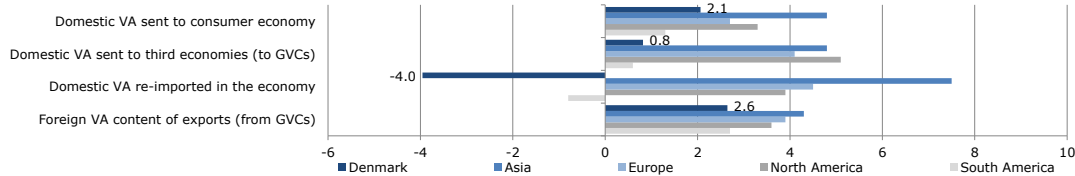
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Water transport	32.0	68.0	100.0
2. Wholesale and retail trade	81.3	18.7	100.0
3. Pharmaceutical products	86.3	13.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Water transport	5.0	10.7
2. Wholesale and retail trade	12.3	2.8
3. Pharmaceutical products	7.6	1.2

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	69.7	30.3	100.0
2. Sweden	73.5	26.5	100.0
3. United States	75.5	24.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Germany	7.3	3.2
2. Sweden	7.4	2.7
3. United States	7.3	2.4

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

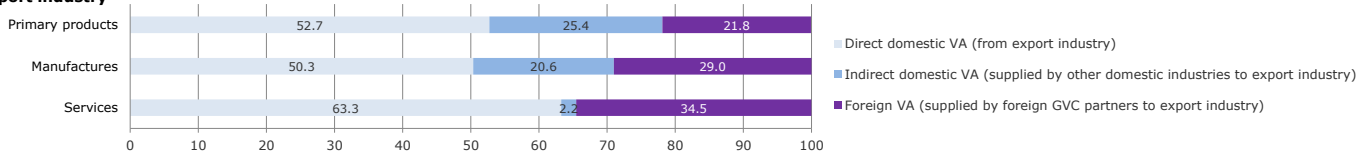
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>3.4</b>	<b>21.9</b>	<b>43.1</b>	<b>3.1</b>	<b>6.5</b>	<b>22.1</b>	<b>100.0</b>
Primary products	52.7	4.3	21.1	3.8	5.5	12.6	100.0
Manufactures	1.6	50.3	19.0	3.4	9.2	16.4	100.0
Services	0.4	1.8	63.3	2.8	4.6	27.2	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

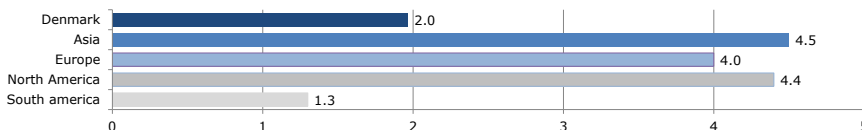
(% share in total gross exports)

## Regional averages

	Denmark	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>48.9</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	17.3	20.0	21.2	22.0	23.5
Backward participation	31.7	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	19.9
2. Scientific/technical activities	7.9
3. Water transport	7.4

## Top exporters of Denmark inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	11.9
2. Sweden	10.7
3. Singapore	5.3

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Water transport	33.8
2. Wholesale and retail trade	8.9
3. Other machinery and equipment	8.7

## Top foreign inputs providers

(% share in total foreign content of exports)

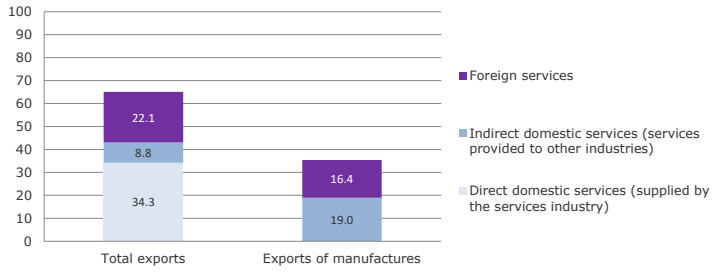
1. Germany	11.8
2. Sweden	7.5
3. United States	7.1

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

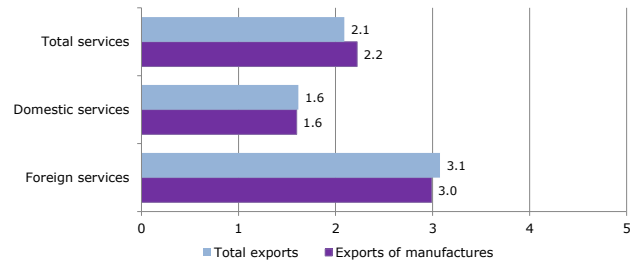
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	16.8
2. Warehousing for transportator	7.8
3. Scientific/technical activities	7.3

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	2.4
2. United States	1.8
3. Sweden	1.7

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	11.3
2. Scientific/technical activities	4.7
3. Admin./support activities	3.0

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	2.4
2. Sweden	1.3
3. United Kingdom	1.2

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

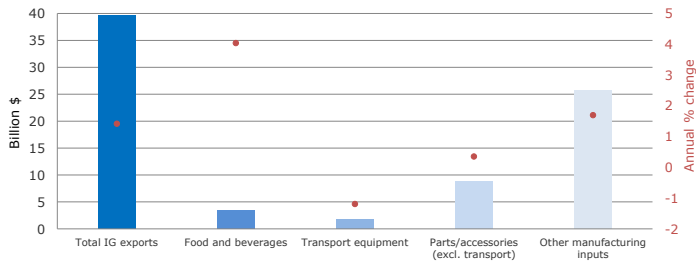
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	40	37.6	1.4
Commercial services	17	22.5	5.6
<b>Imports of intermediate</b>			
Goods	39	41.7	1.5
Commercial services	22	31.4	6.7

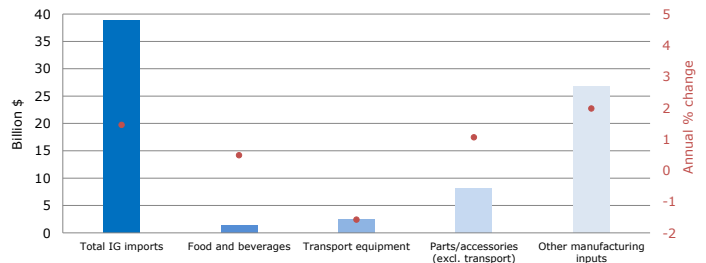
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	6	14.5
2. Sweden	4	8.9
3. United States	2	6.2

### Top origins of imports of intermediate goods

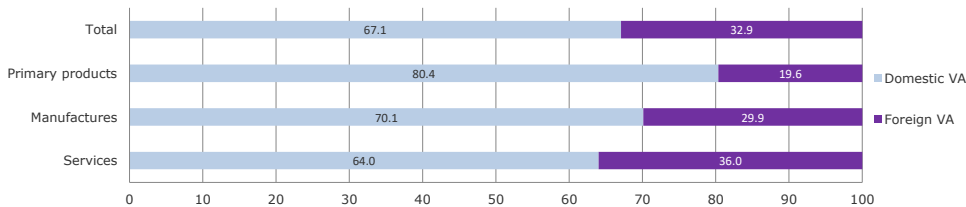
(Billion \$ and %)

	2020	2020 share in total
1. Germany	10	25.6
2. Sweden	4	10.4
3. Netherlands	3	7.5

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

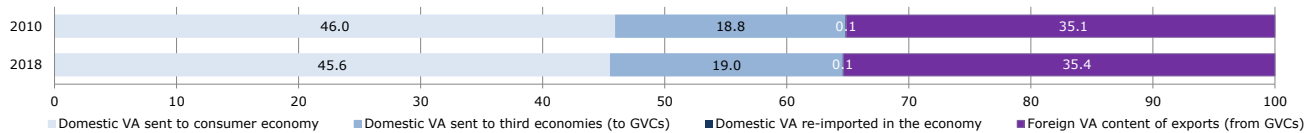


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

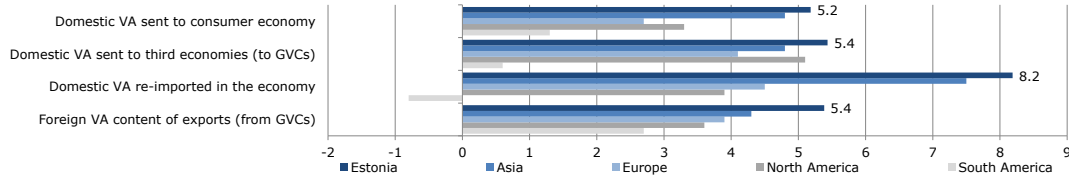
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Wood products	66.6	33.4	100.0
2. Wholesale and retail trade	79.6	20.4	100.0
3. Computer/electronic products	26.5	73.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	6.2	3.1
	6.9	1.8
	2.0	5.7

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Finland	66.2	33.8	100.0
2. Sweden	63.9	36.1	100.0
3. Latvia	66.6	33.4	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	11.5	5.9
	5.8	3.3
	4.4	2.2

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>3.7</b>	<b>17.2</b>	<b>43.7</b>	<b>2.9</b>	<b>12.2</b>	<b>20.2</b>	<b>100.0</b>
Primary products	48.2	2.7	19.2	4.0	9.3	16.5	100.0
Manufactures	4.2	32.8	17.0	3.9	18.8	23.4	100.0
Services	0.9	2.1	72.3	1.9	5.7	17.2	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

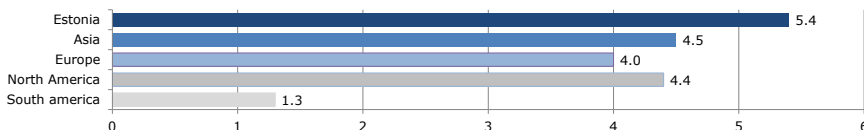
(% share in total gross exports)

## Regional averages

	Estonia	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>54.4</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	19.0	20.0	21.2	22.0	23.5
Backward participation	35.4	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	12.9
2. Warehousing for transportation	10.4
3. Scientific/technical activities	7.2

## Top exporters of Estonia inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Finland	12.5
2. Sweden	8.0
3. Germany	8.0

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Computer/electronic products	16.0
2. Wood products	8.8
3. Warehousing for transportation	6.9

## Top foreign inputs providers

(% share in total foreign content of exports)

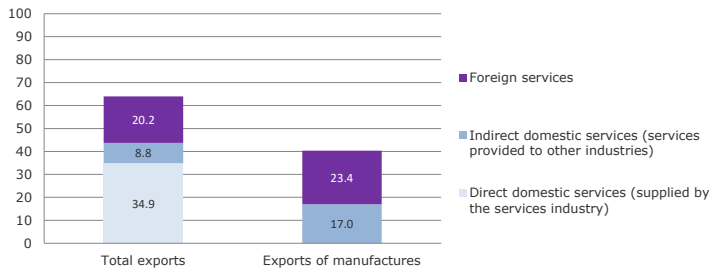
1. Russian Federation	10.6
2. Germany	8.7
3. China	8.5

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

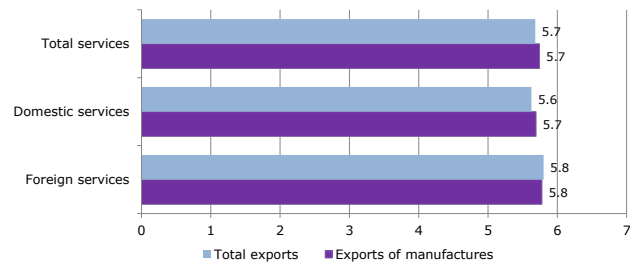
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	13.8
2. Scientific/technical activities	6.9
3. Warehousing for transportator	5.8

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Russian Federation	1.8
2. Finland	1.7
3. Germany	1.6

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	12.1
2. Scientific/technical activities	4.6
3. Land transport	3.7

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	2.1
2. Russian Federation	2.1
3. China	2.0

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

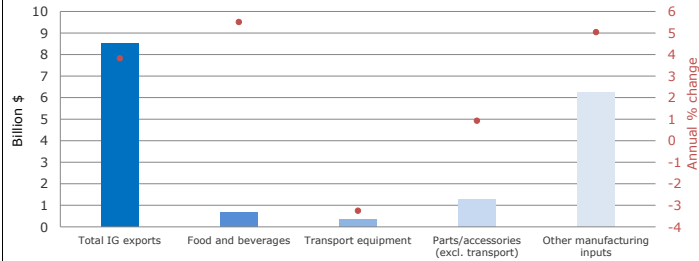
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	9	53.9	3.8
Commercial services	3	44.8	9.0
<b>Imports of intermediate</b>			
Goods	8	48.2	2.9
Commercial services	4	56.8	13.4

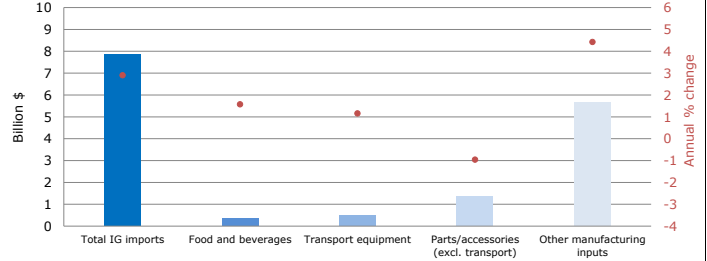
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Finland	1	16.2
2. Sweden	1	10.5
3. Russian Federation	1	8.8

### Top origins of imports of intermediate goods

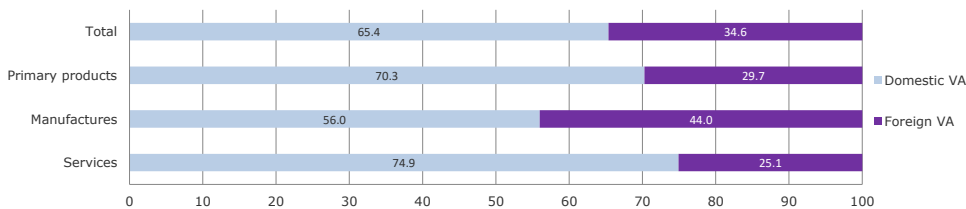
(Billion \$ and %)

	2020	2020 share in total
1. Russian Federation	1	13.2
2. Finland	1	10.6
3. Germany	1	9.4

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

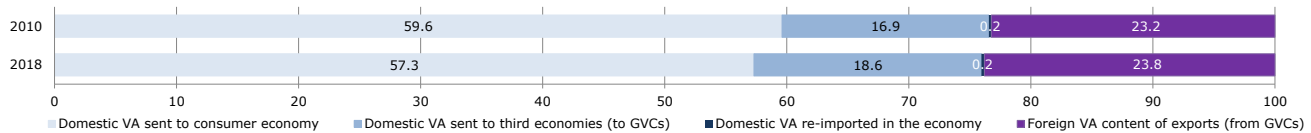


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

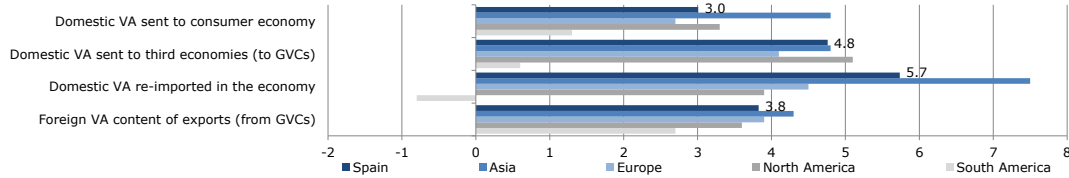
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Wholesale and retail trade	90.2	9.8	100.0
2. Motor vehicles	57.6	42.4	100.0
3. Food and beverages	76.8	23.2	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Wholesale and retail trade	11.2	1.2
2. Motor vehicles	6.2	4.6
3. Food and beverages	5.1	1.5

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. France	75.3	24.7	100.0
2. Germany	76.7	23.3	100.0
3. United Kingdom	78.9	21.1	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. France	10.4	3.4
2. Germany	8.4	2.6
3. United Kingdom	6.5	1.7

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

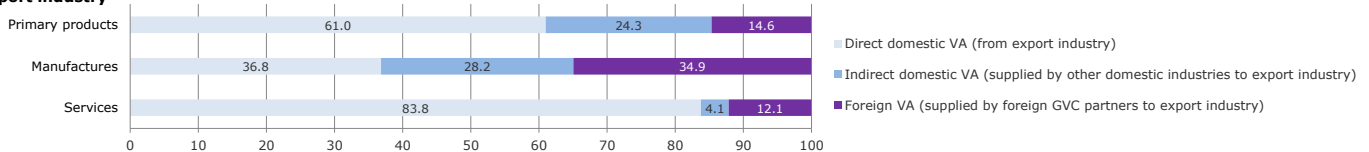
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>4.1</b>	<b>20.5</b>	<b>51.7</b>	<b>5.4</b>	<b>7.7</b>	<b>10.7</b>	<b>100.0</b>
Primary products	61.0	5.6	18.8	3.3	4.4	7.0	100.0
Manufactures	2.8	36.8	25.5	8.5	11.9	14.6	100.0
Services	0.7	3.4	83.8	2.2	3.3	6.7	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

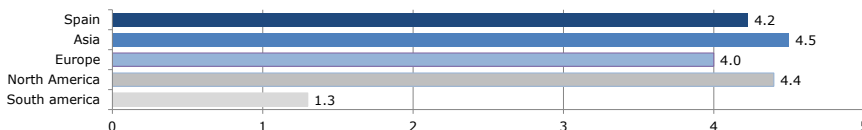
(% share in total gross exports)

## Regional averages

	Spain	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>42.4</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	18.6	20.0	21.2	22.0	23.5
Backward participation	23.8	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	18.1
2. Scientific/technical activities	6.7
3. Admin./support activities	6.3

## Top exporters of Spain inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	13.0
2. France	12.2
3. Portugal	7.8

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	19.3
2. Petroleum products	12.1
3. Chemical products	6.9

## Top foreign inputs providers

(% share in total foreign content of exports)

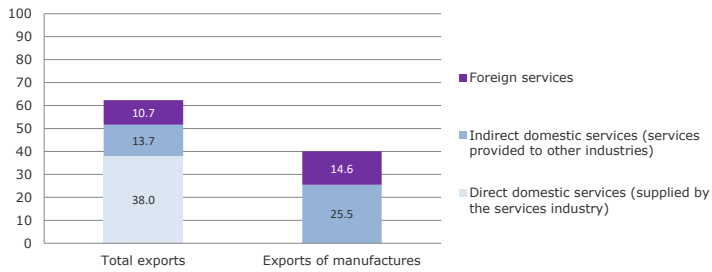
1. Germany	11.0
2. France	9.5
3. China	6.9

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

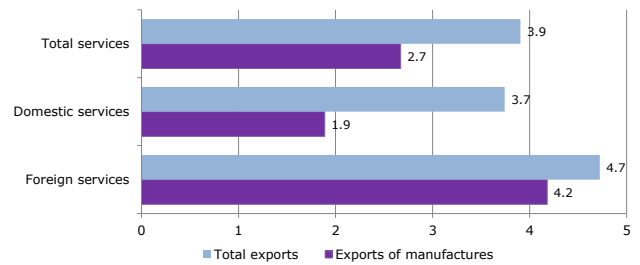
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	16.6
2. Scientific/technical activities	5.7
3. Admin./support activities	5.7

#### Top foreign services providers to total exports

(% share in total gross exports)

1. France	1.4
2. Germany	1.3
3. United States	0.9

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	12.8
2. Admin./support activities	3.9
3. Scientific/technical activities	3.7

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. France	2.0
2. Germany	1.8
3. United States	1.2

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

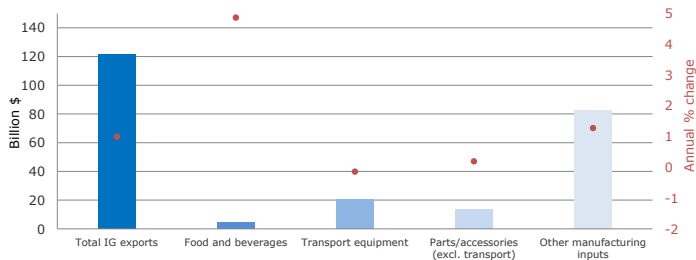
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	121	40.4	1.0
Commercial services	39	43.9	3.0
<b>Imports of intermediate</b>			
Goods	145	48.4	0.7
Commercial services	29	48.0	1.6

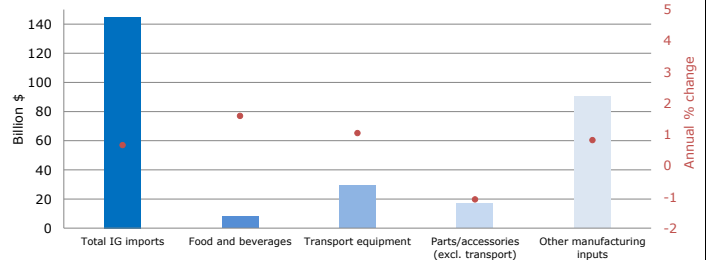
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. France	19	15.7
2. Germany	12	10.0
3. Portugal	10	8.5

### Top origins of imports of intermediate goods

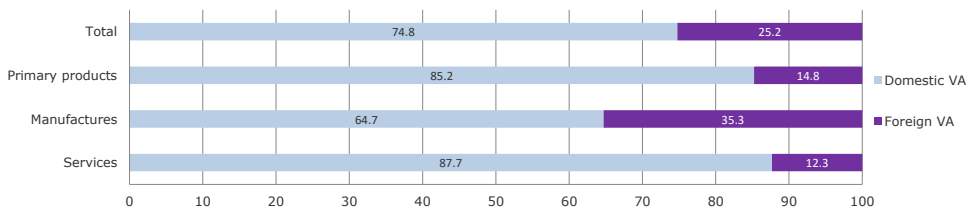
(Billion \$ and %)

	2020	2020 share in total
1. Germany	22	15.1
2. France	19	13.4
3. China	12	8.1

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

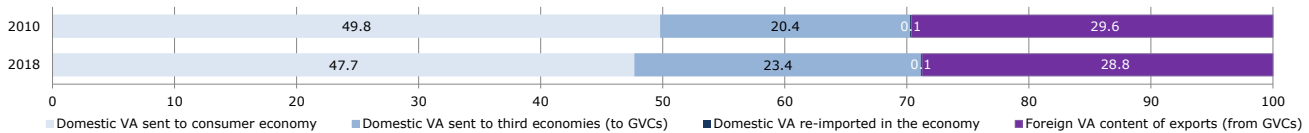


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

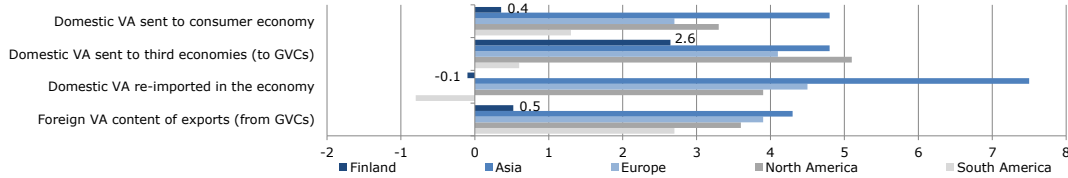
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Paper products	73.0	27.0	100.0	8.7	3.2
2. Other machinery and equipment	65.9	34.1	100.0	6.4	3.3
3. Basic metals	58.6	41.4	100.0	4.3	3.0

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Sweden	69.3	30.7	100.0	7.4	3.3
2. Germany	68.7	31.3	100.0	6.7	3.0
3. United States	71.1	28.9	100.0	5.3	2.2

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

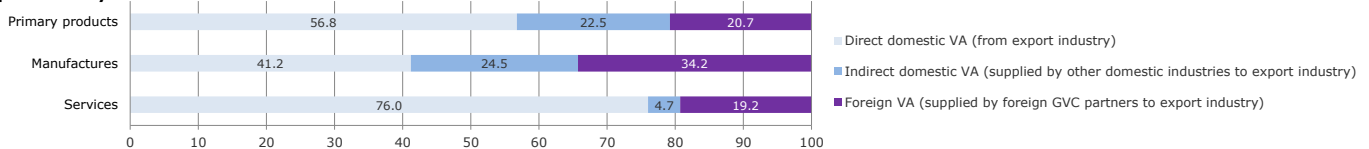
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>3.6</b>	<b>27.5</b>	<b>40.1</b>	<b>4.0</b>	<b>8.2</b>	<b>16.6</b>	<b>100.0</b>
Primary products	56.8	5.3	17.2	4.4	4.5	11.9	100.0
Manufactures	4.1	41.2	20.4	5.3	10.8	18.2	100.0
Services	0.6	4.2	76.0	1.8	3.5	13.9	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

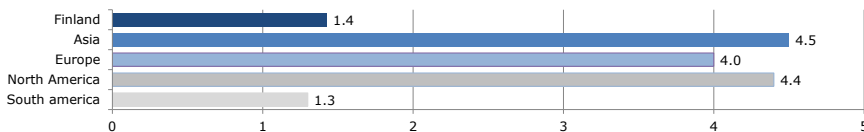
(% share in total gross exports)

## Regional averages

	Finland	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>52.2</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	23.4	20.0	21.2	22.0	23.5
Backward participation	28.8	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	10.5
2. Scientific/technical activities	7.2
3. Paper products	6.5

## Top exporters of Finland inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	13.2
2. Sweden	9.6
3. Ireland	6.3

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Other machinery and equipment	11.5
2. Paper products	11.1
3. Basic metals	10.5

## Top foreign inputs providers

(% share in total foreign content of exports)

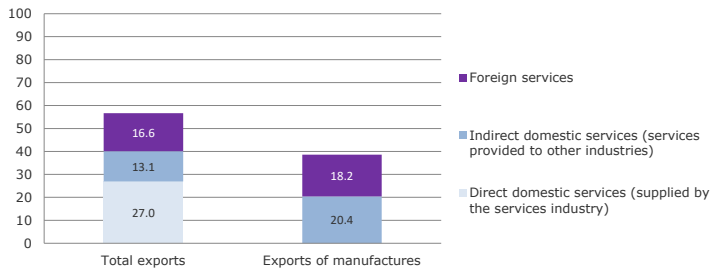
1. Russian Federation	15.0
2. Germany	10.5
3. Sweden	8.3

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

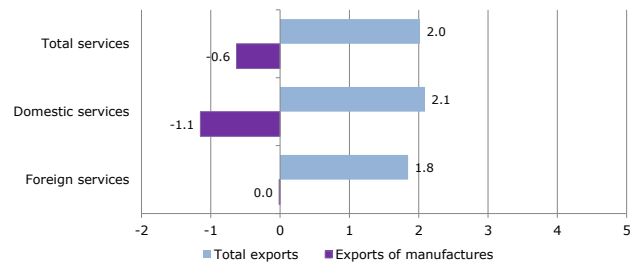
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	11.6
2. Scientific/technical activities	8.5
3. IT services	5.4

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.7
2. Germany	1.6
3. Russian Federation	1.6

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	8.7
2. Scientific/technical activities	5.4
3. Land transport	3.1

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Russian Federation	2.1
2. Germany	2.0
3. United States	1.7

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

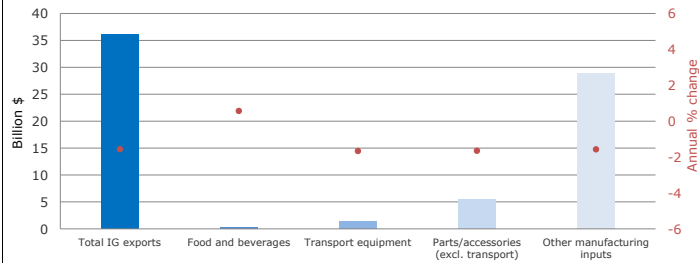
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	36	58.9	-1.6
Commercial services	19	65.4	6.2
<b>Imports of intermediate</b>			
Goods	30	49.1	0.2
Commercial services	18	57.6	3.1

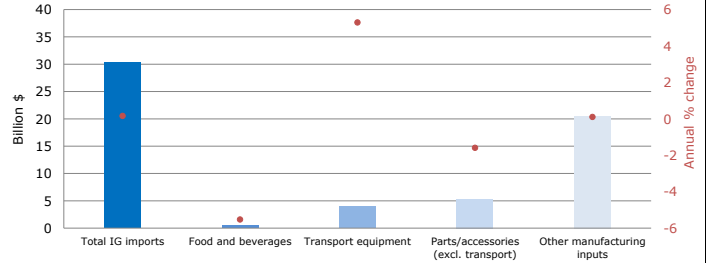
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	4	12.3
2. Sweden	3	8.8
3. Netherlands	3	8.8

### Top origins of imports of intermediate goods

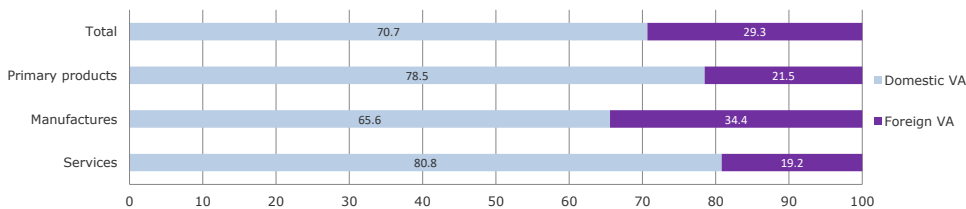
(Billion \$ and %)

	2020	2020 share in total
1. Germany	6	18.5
2. Russian Federation	3	9.5
3. Sweden	3	8.9

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



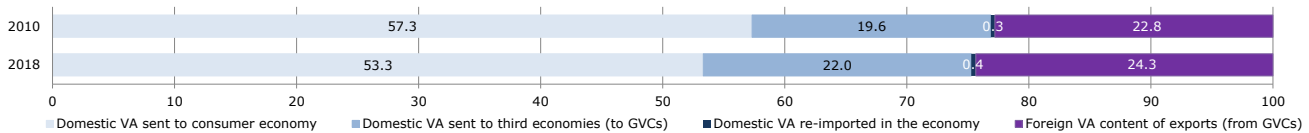
Source: WTO calculations based on the OECD TIVA database.



## VALUE ADDED CONTENT OF GROSS EXPORTS

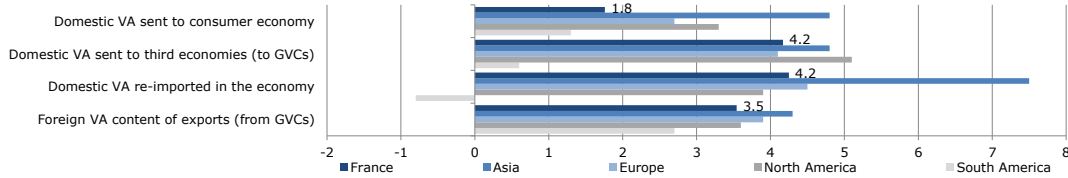
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Wholesale and retail trade	86.0	14.0	100.0
2. Other transport equipment	53.0	47.0	100.0
3. Chemical products	70.4	29.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	12.2	2.0
	4.5	4.0
	4.9	2.1

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	74.5	25.5	100.0
2. United States	74.8	25.2	100.0
3. United Kingdom	79.1	20.9	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	8.4	2.9
	5.8	2.0
	5.9	1.5

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

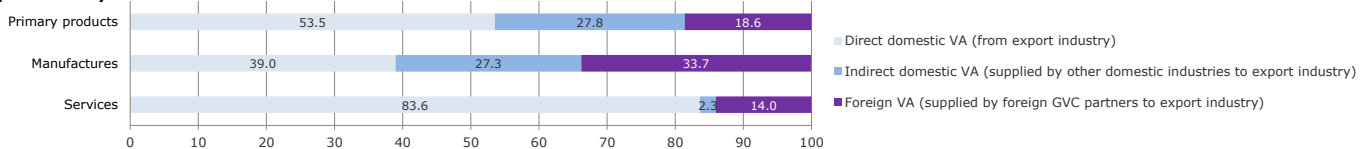
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>2.0</b>	<b>21.2</b>	<b>52.4</b>	<b>3.1</b>	<b>8.3</b>	<b>12.9</b>	<b>100.0</b>
Primary products	53.5	5.5	22.3	3.7	5.5	9.4	100.0
Manufactures	1.3	39.0	26.0	4.4	13.2	16.1	100.0
Services	0.3	2.0	83.6	1.6	3.0	9.5	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

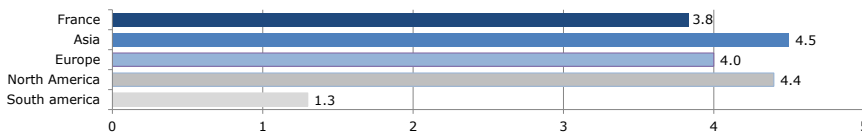
(% share in total gross exports)

## Regional averages

	France	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>46.3</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	22.0	20.0	21.2	22.0	23.5
Backward participation	24.3	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	15.5
2. Admin./support activities	12.2
3. Scientific/technical activities	11.8

## Top exporters of France inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	13.7
2. Belgium	7.4
3. Italy	6.5

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Other transport equipment	16.3
2. Motor vehicles	10.4
3. Chemical products	8.4

## Top foreign inputs providers

(% share in total foreign content of exports)

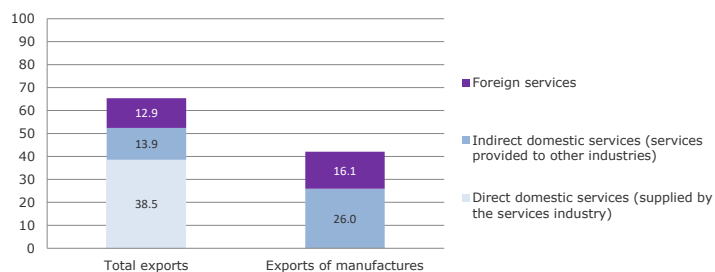
1. Germany	13.7
2. United States	10.3
3. China	7.2

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

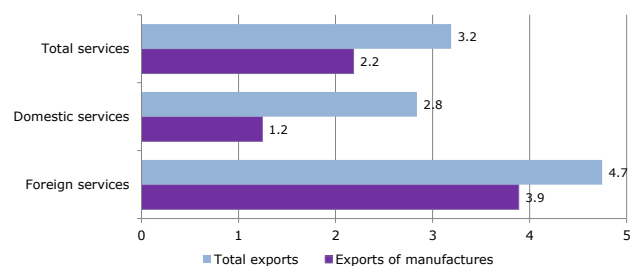
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	15.5
2. Scientific/technical activities	9.8
3. Admin./support activities	8.9

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	1.7
2. United States	1.5
3. United Kingdom	1.1

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	11.2
2. Scientific/technical activities	7.0
3. Admin./support activities	5.3

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	2.4
2. United States	1.9
3. United Kingdom	1.2

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

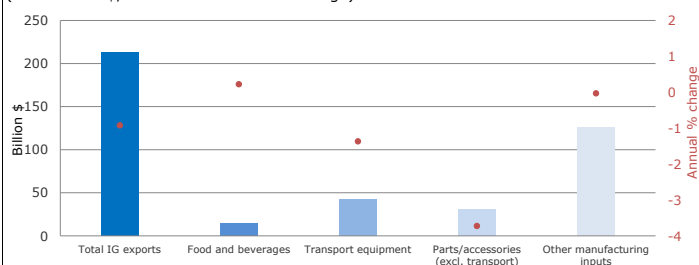
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	213	44.5	-0.9
Commercial services	104	42.3	4.1
<b>Imports of intermediate</b>			
Goods	242	44.5	-0.5
Commercial services	100	43.4	3.9

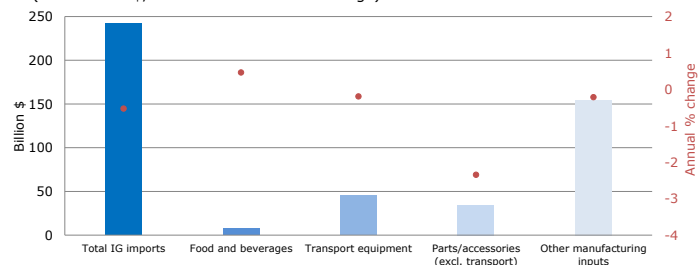
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	34	16.1
2. Spain	18	8.3
3. Belgium	17	7.9

### Top origins of imports of intermediate goods

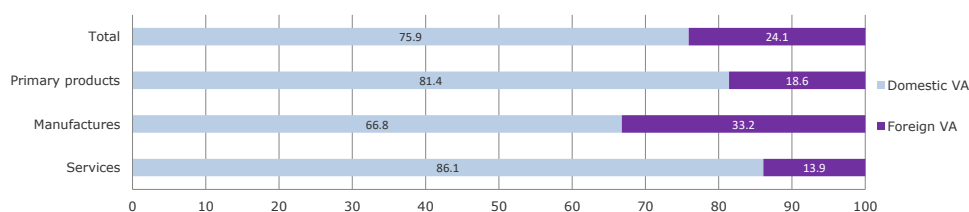
(Billion \$ and %)

	2020	2020 share in total
1. Germany	49	20.3
2. Belgium	26	10.8
3. Italy	20	8.3

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

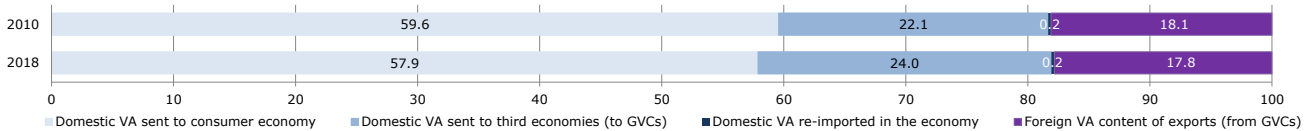


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

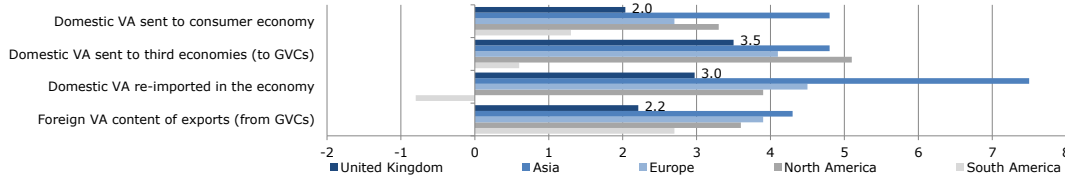
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Financial services	87.2	12.8	100.0
2. Scientific/technical activities	89.9	10.1	100.0
3. Wholesale and retail trade	88.5	11.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	13.0	1.9
	10.2	1.2
	8.3	1.1

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. United States	82.0	18.0	100.0
2. Germany	82.4	17.6	100.0
3. France	83.3	16.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	13.1	2.9
	6.3	1.3
	6.0	1.2

Domestic and foreign sectoral VA contribution to gross exports, 2018

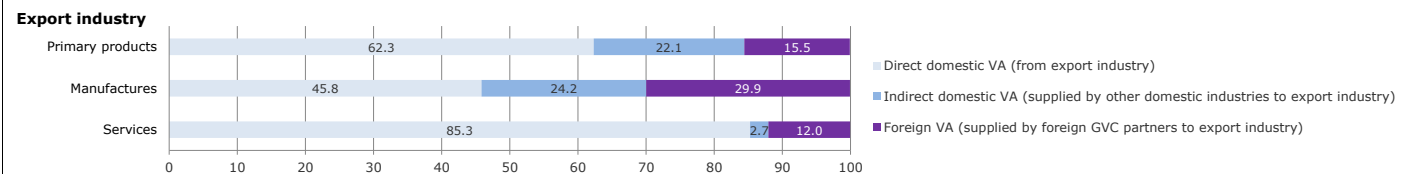
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>3.9</b>	<b>16.1</b>	<b>62.2</b>	<b>3.2</b>	<b>4.6</b>	<b>10.1</b>	<b>100.0</b>
Primary products	62.3	4.5	17.6	3.5	3.9	8.1	100.0
Manufactures	1.2	45.8	23.0	7.3	9.6	13.2	100.0
Services	0.2	2.5	85.3	1.1	2.2	8.7	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

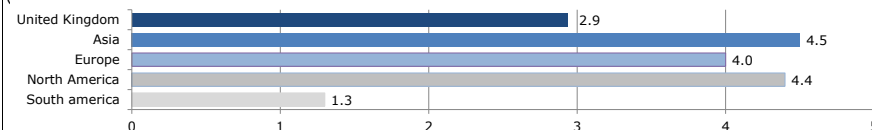
(% share in total gross exports)

Regional averages

	United Kingdom	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>41.9</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	24.0	20.0	21.2	22.0	23.5
Backward participation	17.8	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Scientific/technical activities	15.9
2. Financial services	12.4
3. Wholesale and retail trade	10.5

Top exporters of United Kingdom inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Ireland	11.8
2. Germany	9.6
3. Netherlands	8.2

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	12.7
2. Petroleum products	10.9
3. Financial services	10.7

Top foreign inputs providers

(% share in total foreign content of exports)

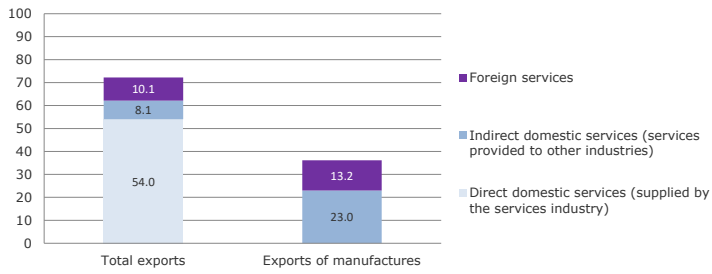
1. United States	15.1
2. Germany	10.3
3. Norway	8.5

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

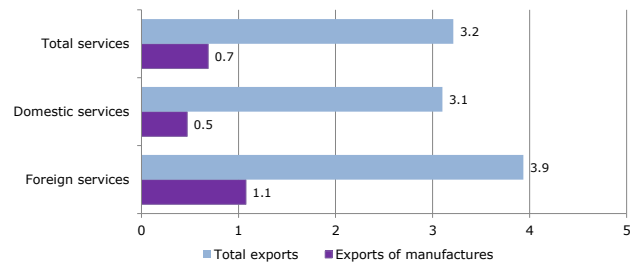
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Scientific/technical activities	13.3
2. Financial services	11.9
3. Wholesale and retail trade	11.1

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.9
2. Germany	1.0
3. France	0.9

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.2
2. Scientific/technical activities	4.7
3. Financial services	4.1

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	2.2
2. Germany	1.6
3. France	1.1

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

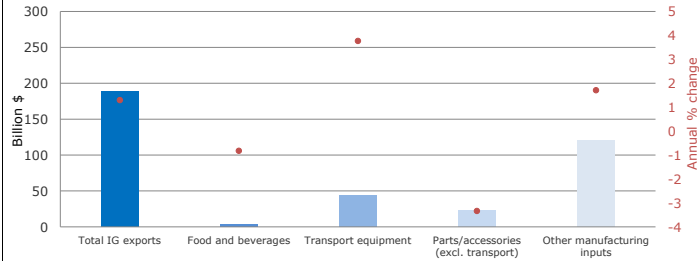
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	189	50.9	1.3
Commercial services	156	46.2	4.4
<b>Imports of intermediate</b>			
Goods	299	49.7	2.9
Commercial services	104	51.5	5.3

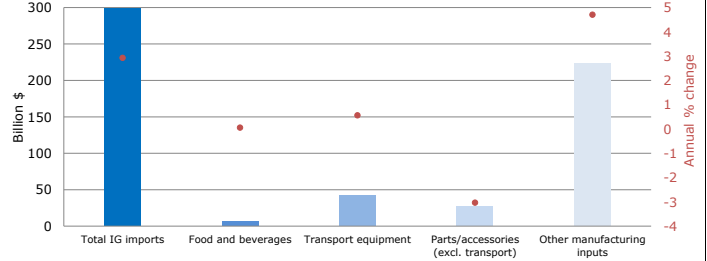
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. United States	28	14.7
2. Germany	22	11.8
3. Switzerland	15	7.8

### Top origins of imports of intermediate goods

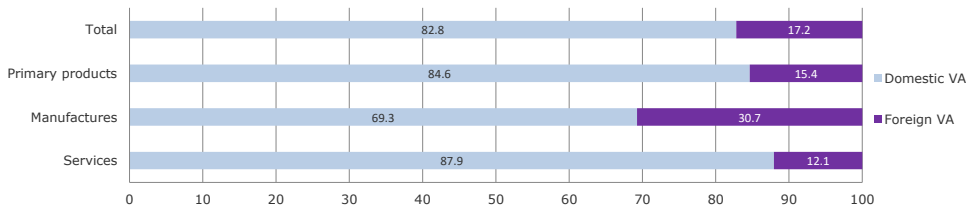
(Billion \$ and %)

	2020	2020 share in total
1. United States	38	12.7
2. Germany	33	11.2
3. Russian Federation	20	6.8

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

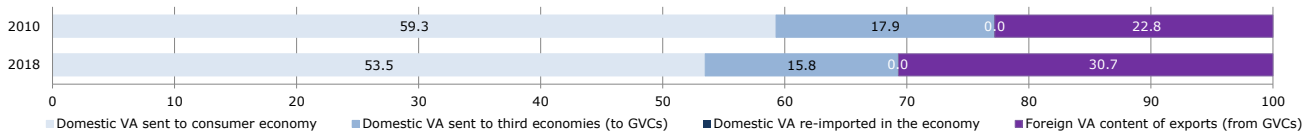


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

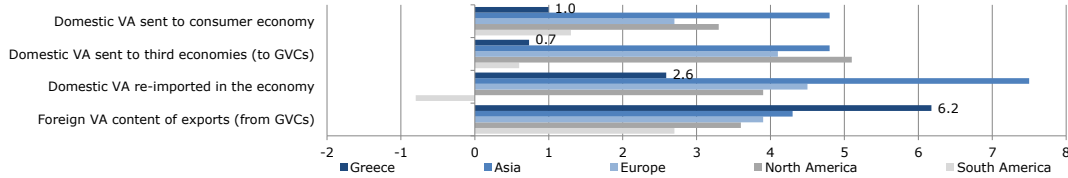
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Petroleum products	24.0	76.0	100.0	3.8	12.0
2. Water transport	62.9	37.1	100.0	8.7	5.1
3. Wholesale and retail trade	88.1	11.9	100.0	9.1	1.2

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Germany	75.8	24.2	100.0	6.7	2.1
2. United States	78.4	21.6	100.0	6.9	1.9
3. Italy	68.7	31.3	100.0	5.4	2.5

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

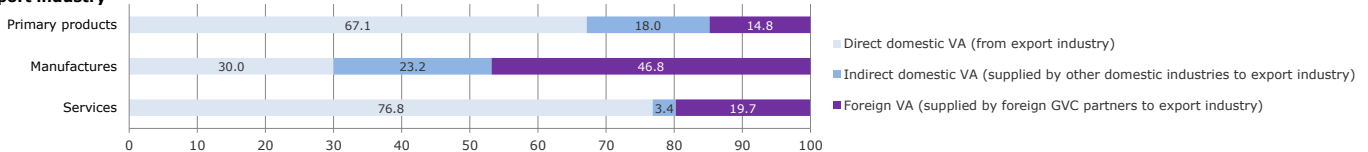
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>5.3</b>	<b>13.8</b>	<b>50.3</b>	<b>12.5</b>	<b>5.5</b>	<b>12.6</b>	<b>100.0</b>
Primary products	67.1	2.4	15.7	4.3	3.7	6.9	100.0
Manufactures	2.3	30.0	20.8	24.7	8.0	14.1	100.0
Services	1.0	2.4	76.8	3.9	3.8	12.1	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

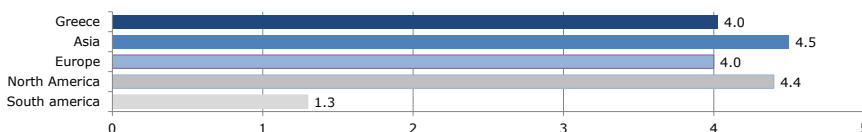
(% share in total gross exports)

## Regional averages

	Greece	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>46.5</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	15.8	20.0	21.2	22.0	23.5
Backward participation	30.7	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Water transport	18.9
2. Wholesale and retail trade	15.2
3. Basic metals	7.0

## Top exporters of Greece inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	10.5
2. Singapore	8.8
3. Italy	8.1

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Petroleum products	39.0
2. Water transport	16.8
3. Basic metals	6.7

## Top foreign inputs providers

(% share in total foreign content of exports)

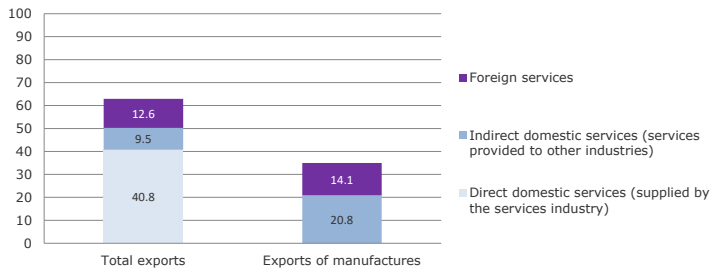
1. Russian Federation	12.7
2. Kazakhstan	7.3
3. Germany	6.1

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

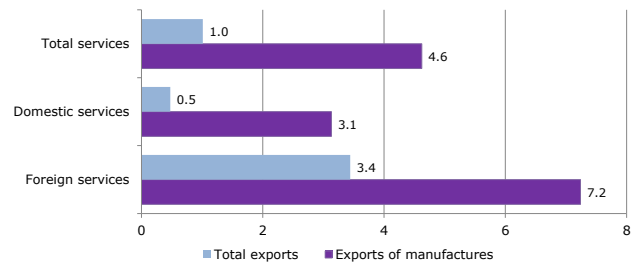
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	13.9
2. Water transport	8.6
3. Accommodation and food servi	5.9

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Russian Federation	1.3
2. Germany	1.2
3. United Kingdom	1.0

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.4
2. Scientific/technical activities	3.7
3. Financial services	3.5

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Russian Federation	2.1
2. Kazakhstan	1.5
3. Germany	1.1

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

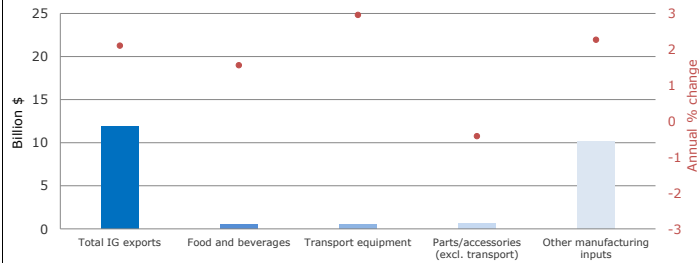
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	12	42.8	2.1
Commercial services	3	12.8	4.2
<b>Imports of intermediate</b>			
Goods	21	47.3	0.8
Commercial services	2	14.0	-1.3

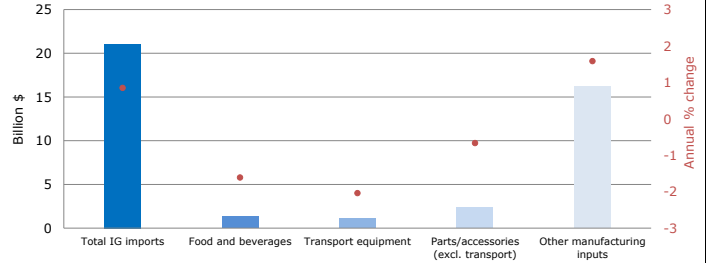
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Italy	1	9.7
2. Germany	1	7.7
3. Bulgaria	1	7.5

### Top origins of imports of intermediate goods

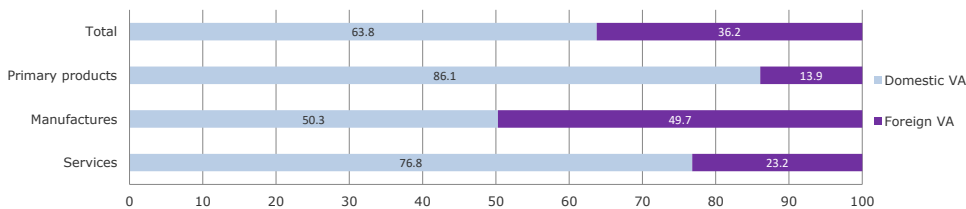
(Billion \$ and %)

	2020	2020 share in total
1. Germany	3	14.7
2. Italy	2	9.7
3. Ireland	2	8.5

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

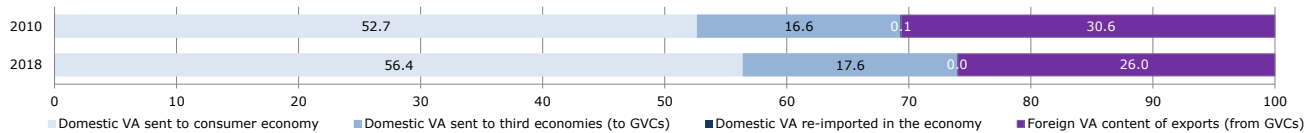


Source: WTO calculations based on the OECD TIVA database.

### VALUE ADDED CONTENT OF GROSS EXPORTS

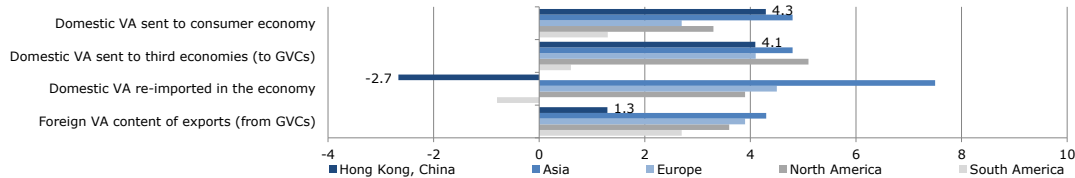
#### The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



#### Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



#### Top export industries - Domestic and foreign VA content of exports, 2018

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Financial services	89.9	10.1	100.0	21.8	2.4
2. Wholesale and retail trade	68.4	31.6	100.0	14.5	6.7
3. Accommodation and food servi	82.0	18.0	100.0	6.9	1.5

#### Top export destinations - Domestic and foreign VA content of exports, 2018

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. China	76.9	23.1	100.0	24.1	7.2
2. United States	81.8	18.2	100.0	6.9	1.5
3. India	67.3	32.7	100.0	5.5	2.7

#### Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

##### Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>0.1</b>	<b>0.6</b>	<b>73.3</b>	<b>5.0</b>	<b>9.8</b>	<b>11.2</b>	<b>100.0</b>
Primary products	12.8	0.2	49.7	10.9	13.0	13.5	100.0
Manufactures	0.1	5.1	22.9	14.4	29.9	27.6	100.0
Services	0.0	0.3	77.6	4.2	8.1	9.8	100.0

#### Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

##### Export industry



Source: WTO calculations based on the OECD TIVA database.

### PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

#### GVC participation index, 2018

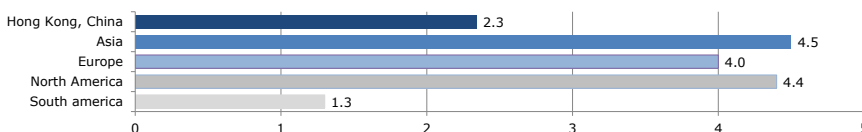
(% share in total gross exports)

##### Regional averages

	Hong Kong, China	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>43.5</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	17.6	20.0	21.2	22.0	23.5
Backward participation	26.0	24.4	27.6	15.8	13.0

#### Evolution of total GVC participation, 2010-2018

(annual % change)



#### Forward GVC participation, 2018

##### Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Financial services	38.9
2. Wholesale and retail trade	26.8
3. Real estate activities	6.4

##### Top exporters of Hong Kong, China inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Singapore	15.6
2. Luxembourg	11.6
3. China	8.4

#### Backward GVC participation, 2018

##### Top GVC-importing industries

(% share in total foreign content of exports)

1. Wholesale and retail trade	25.9
2. Basic metals	14.5
3. Warehousing for transportation	12.2

##### Top foreign inputs providers

(% share in total foreign content of exports)

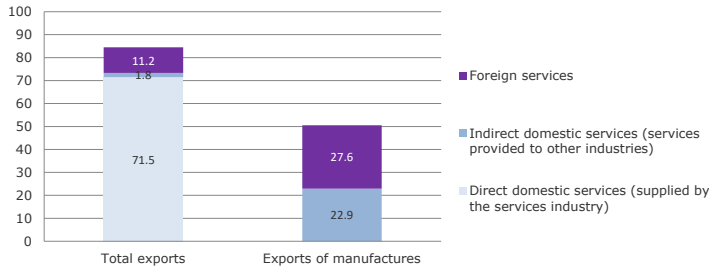
1. China	33.3
2. United States	9.0
3. Japan	7.8

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Financial services	22.6
2. Wholesale and retail trade	20.9
3. Real estate activities	6.0

#### Top foreign services providers to total exports

(% share in total gross exports)

1. China	3.5
2. United States	1.3
3. Japan	0.9

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	24.1
2. Financial services	4.8
3. Land transport	3.7

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	6.9
2. United States	4.2
3. Australia	2.9

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

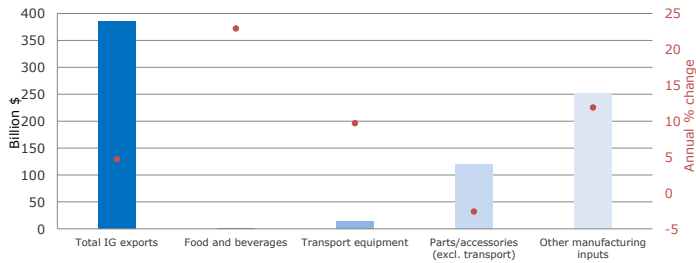
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	386	70.0	5.0
Commercial services (2019)	17	16.6	2.8
<b>Imports of intermediate</b>			
Goods	373	66.0	4.0
Commercial services (2019)	14	17.3	2.6

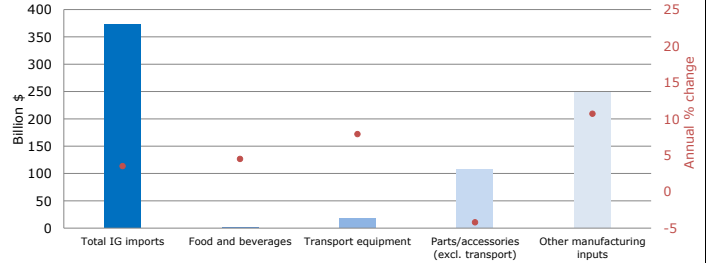
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	252	65.1
2. United States	20	5.0
3. United Kingdom	15	3.8

### Top origins of imports of intermediate goods

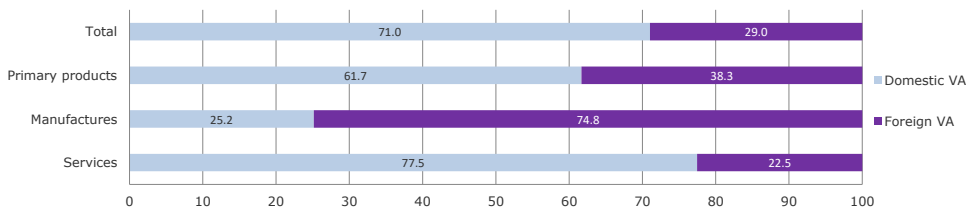
(Billion \$ and %)

	2020	2020 share in total
1. China	139	37.3
2. Chinese Taipei	50	13.3
3. Singapore	36	9.5

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



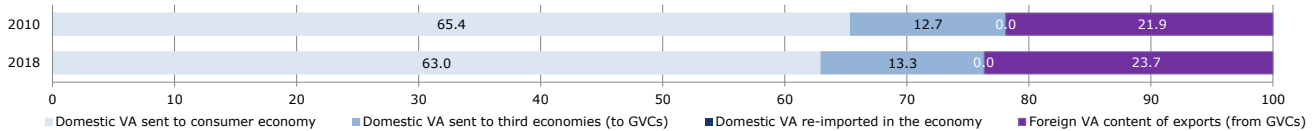
Source: WTO calculations based on the OECD TIVA database.



## VALUE ADDED CONTENT OF GROSS EXPORTS

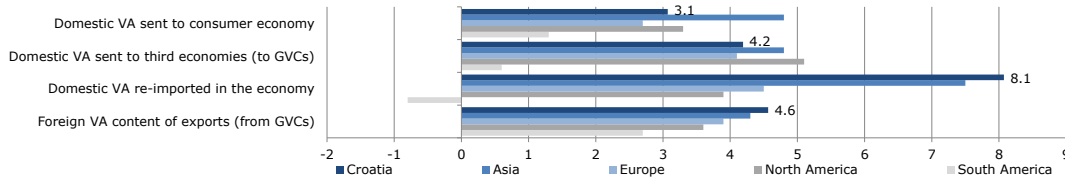
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	Domestic VA	Foreign VA	Total
1. Accommodation and food servi	82.5	17.5	100.0
2. Wholesale and retail trade	83.4	16.6	100.0
3. Land transport	79.1	20.9	100.0

	Domestic VA	Foreign VA
1. Accommodation and food servi	13.7	2.9
2. Wholesale and retail trade	8.1	1.6
3. Land transport	5.5	1.5

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	Domestic VA	Foreign VA	Total
1. Germany	78.1	21.9	100.0
2. Italy	74.0	26.0	100.0
3. Austria	78.0	22.0	100.0

	Domestic VA	Foreign VA
1. Germany	12.8	3.6
2. Italy	7.8	2.7
3. Austria	6.9	2.0

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

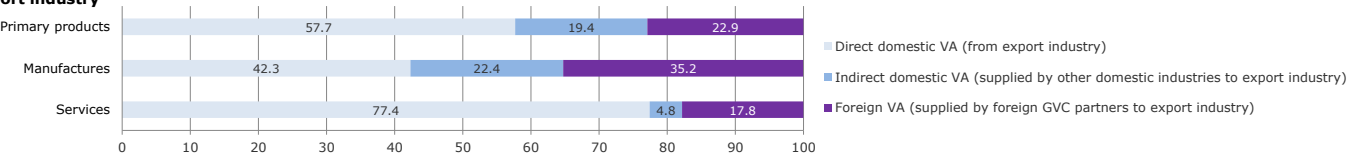
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>3.5</b>	<b>16.3</b>	<b>56.5</b>	<b>3.8</b>	<b>6.7</b>	<b>13.1</b>	<b>100.0</b>
Primary products	57.7	4.3	15.1	5.0	6.0	11.9	100.0
Manufactures	3.1	42.3	19.3	7.0	10.8	17.4	100.0
Services	1.0	3.7	77.4	2.2	4.6	11.0	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

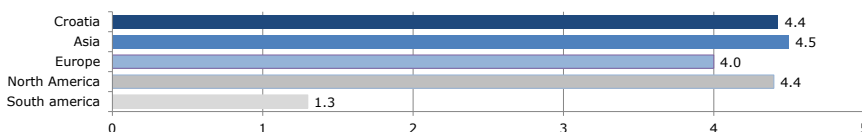
(% share in total gross exports)

## Regional averages

	Croatia	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>37.0</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	13.3	20.0	21.2	22.0	23.5
Backward participation	23.7	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Scientific/technical activities	14.5
2. Wholesale and retail trade	12.9
3. Land transport	7.0

## Top exporters of Croatia inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Italy	10.9
2. Germany	10.7
3. Slovenia	10.1

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Accommodation and food services	12.3
2. Petroleum products	10.6
3. Wholesale and retail trade	6.8

## Top foreign inputs providers

(% share in total foreign content of exports)

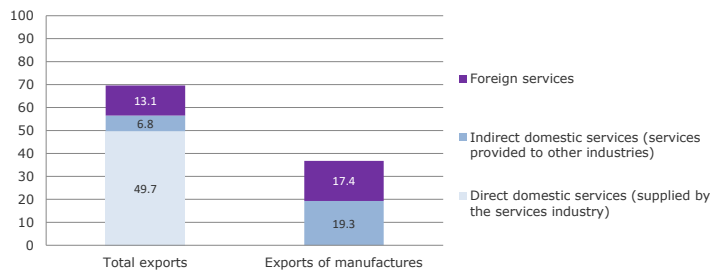
1. Germany	11.8
2. Italy	9.3
3. Austria	8.4

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

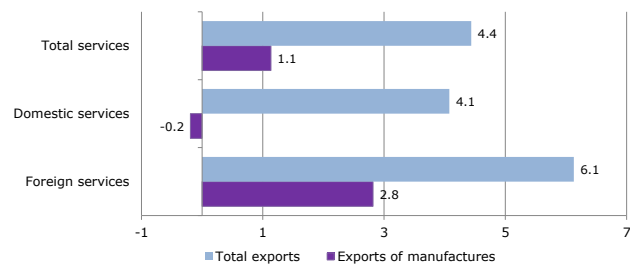
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	12.7
2. Accommodation and food servi	10.2
3. Scientific/technical activities	8.4

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	1.6
2. Austria	1.4
3. Italy	1.3

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	9.8
2. Financial services	6.7
3. Scientific/technical activities	3.9

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	2.1
2. Austria	2.1
3. Italy	1.7

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

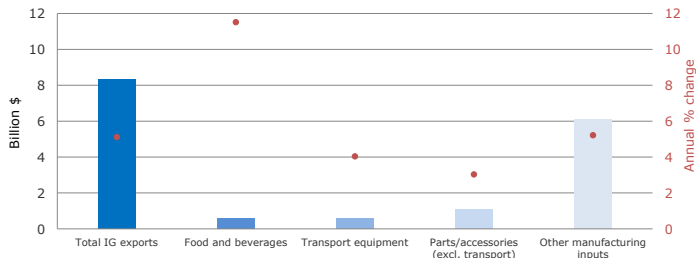
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	8	54.0	5.1
Commercial services	2	24.6	4.5
<b>Imports of intermediate</b>			
Goods	11	45.4	3.2
Commercial services	2	39.0	0.7

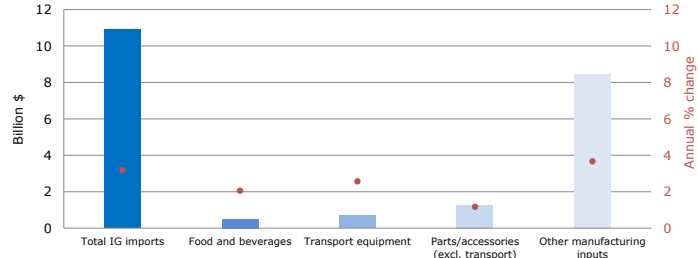
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Italy	1	14.2
2. Germany	1	13.9
3. Slovenia	1	12.3

### Top origins of imports of intermediate goods

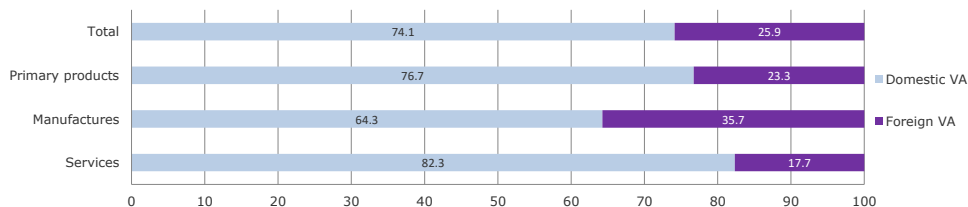
(Billion \$ and %)

	2020	2020 share in total
1. Germany	2	16.1
2. Italy	2	14.0
3. Slovenia	1	10.2

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

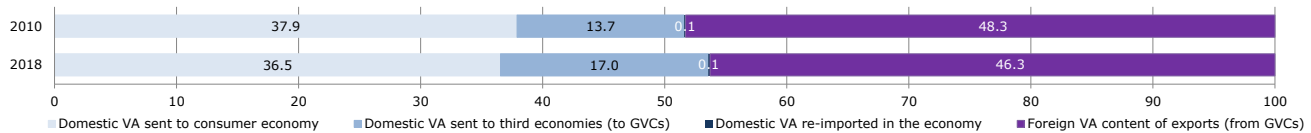


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

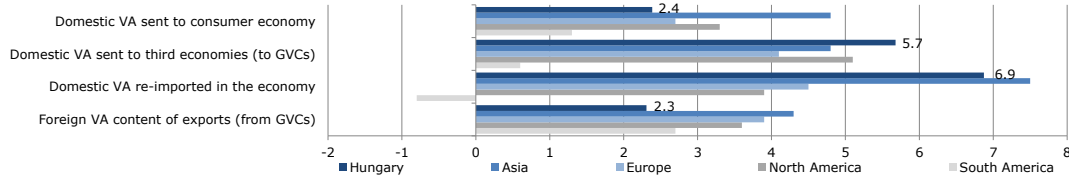
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Motor vehicles	35.1	64.9	100.0
2. Computer/electronic products	31.9	68.1	100.0
3. Wholesale and retail trade	75.1	24.9	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Motor vehicles	7.9	14.6
2. Computer/electronic products	3.2	6.8
3. Wholesale and retail trade	5.3	1.7

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	49.5	50.5	100.0
2. Austria	60.8	39.2	100.0
3. Italy	55.3	44.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Germany	10.8	11.0
2. Austria	3.4	2.2
3. Italy	2.9	2.4

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

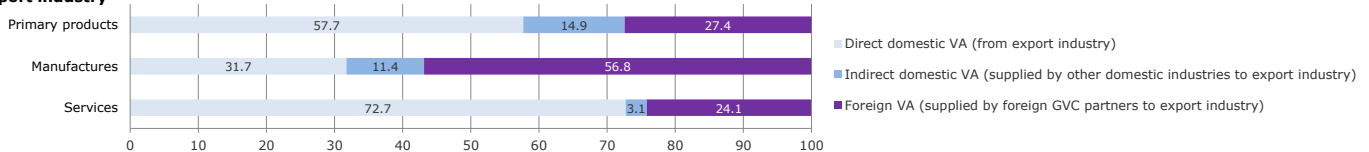
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>2.6</b>	<b>22.2</b>	<b>28.9</b>	<b>4.2</b>	<b>18.9</b>	<b>23.2</b>	<b>100.0</b>
Primary products	57.7	2.9	12.0	4.8	8.4	14.2	100.0
Manufactures	1.2	31.7	10.2	4.7	25.1	27.1	100.0
Services	0.8	2.3	72.7	3.0	5.9	15.3	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

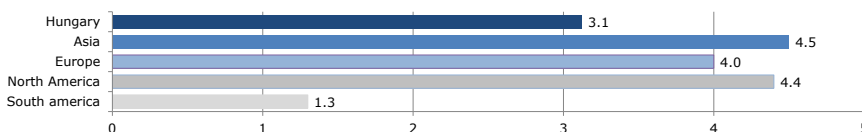
(% share in total gross exports)

## Regional averages

	Hungary	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>63.3</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	17.0	20.0	21.2	22.0	23.5
Backward participation	46.3	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	12.1
2. Motor vehicles	11.4
3. Scientific/technical activities	8.4

## Top exporters of Hungary inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	20.7
2. Austria	6.9
3. Czech Republic	5.5

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	31.6
2. Computer/electronic products	14.6
3. Other machinery and equipment	5.4

## Top foreign inputs providers

(% share in total foreign content of exports)

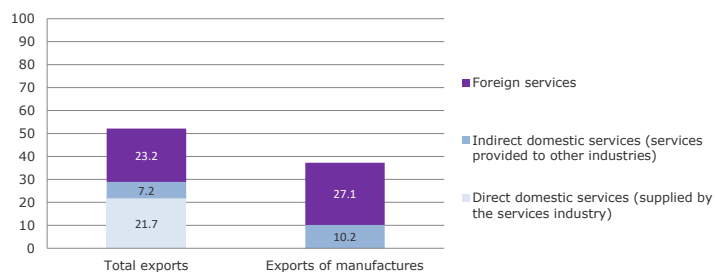
1. Germany	21.8
2. Russian Federation	6.6
3. China	6.1

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

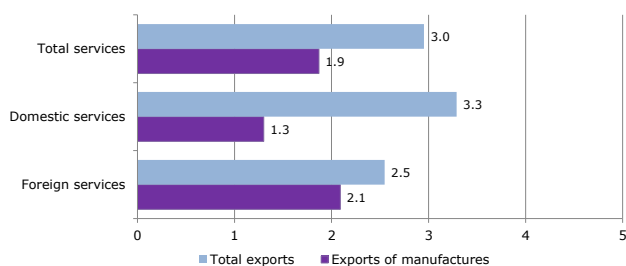
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	13.5
2. Scientific/technical activities	7.1
3. Land transport	5.3

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	4.6
2. Austria	1.5
3. United States	1.5

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	11.7
2. Scientific/technical activities	4.6
3. Admin./support activities	3.5

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	5.7
2. United States	1.6
3. Austria	1.6

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

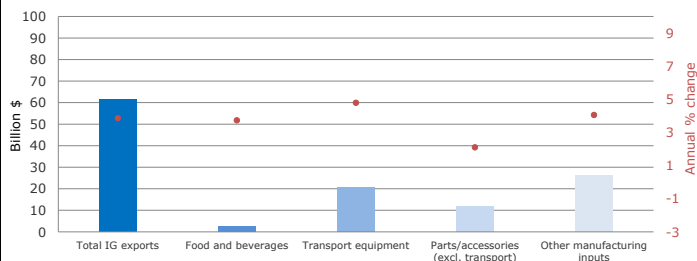
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	61	52.1	3.9
Commercial services	9	39.9	4.8
<b>Imports of intermediate</b>			
Goods	63	59.2	3.1
Commercial services	9	49.4	2.6

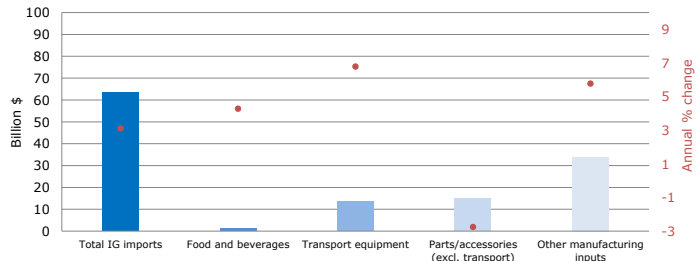
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	18	30.1
2. Slovakia	4	6.3
3. Italy	3	5.7

### Top origins of imports of intermediate goods

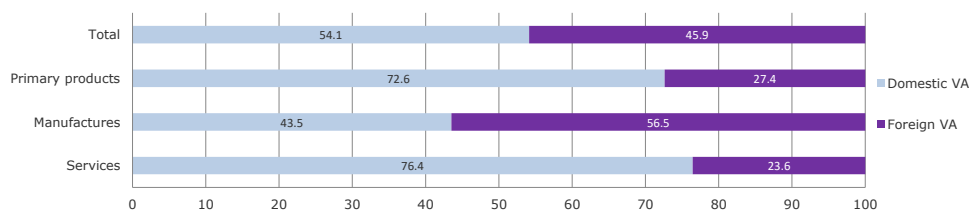
(Billion \$ and %)

	2020	2020 share in total
1. Germany	18	28.1
2. China	5	7.4
3. Poland	3	5.0

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

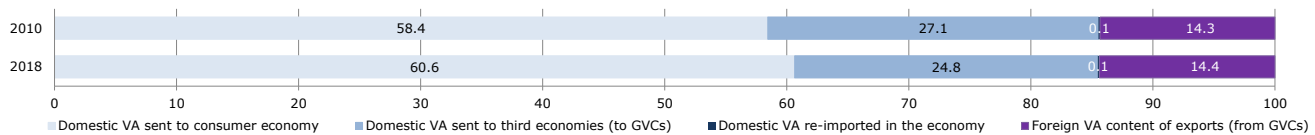


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

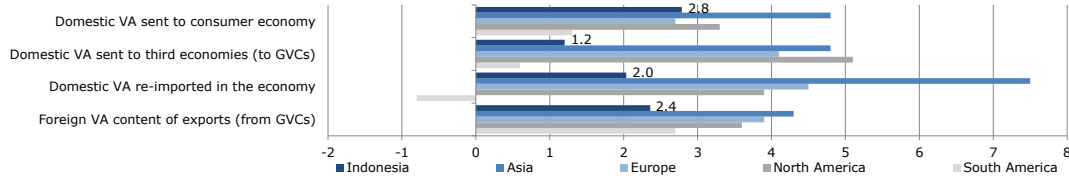
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (energy products)	86.7	13.3	100.0
2. Food and beverages	90.5	9.5	100.0
3. Wholesale and retail trade	92.6	7.4	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Mining (energy products)	16.3	2.5
2. Food and beverages	11.9	1.2
3. Wholesale and retail trade	7.6	0.6

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	86.3	13.7	100.0
2. United States	84.5	15.5	100.0
3. India	87.0	13.0	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. China	15.9	2.5
2. United States	9.0	1.7
3. India	8.9	1.3

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

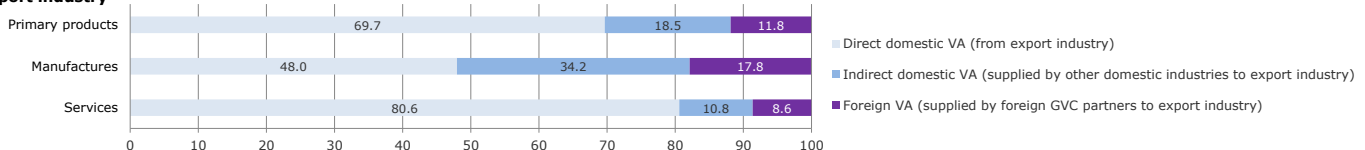
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>27.8</b>	<b>28.2</b>	<b>29.6</b>	<b>3.4</b>	<b>5.0</b>	<b>6.1</b>	<b>100.0</b>
Primary products	69.7	4.8	13.7	4.0	3.0	4.8	100.0
Manufactures	18.1	48.0	16.1	3.5	6.9	7.4	100.0
Services	5.1	5.6	80.6	2.2	2.4	4.0	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

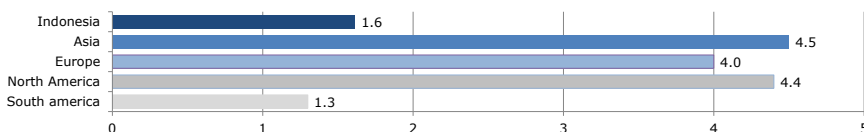
(% share in total gross exports)

## Regional averages

	Indonesia	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>39.2</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	24.8	20.0	21.2	22.0	23.5
Backward participation	14.4	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (energy products)	24.8
2. Wholesale and retail trade	10.7
3. Mining (non-energy products)	9.0

## Top exporters of Indonesia inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	14.2
2. Singapore	12.3
3. Japan	8.5

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Mining (energy products)	17.4
2. Textiles and clothing	9.9
3. Food and beverages	8.6

## Top foreign inputs providers

(% share in total foreign content of exports)

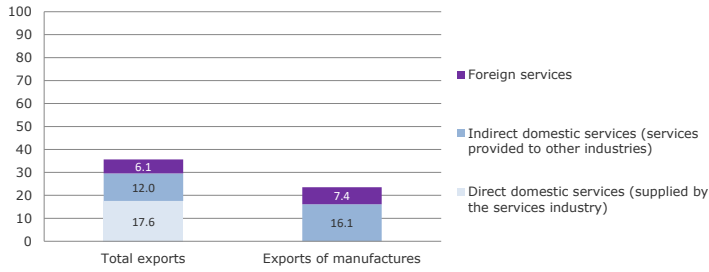
1. China	20.4
2. Japan	8.0
3. United States	7.4

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

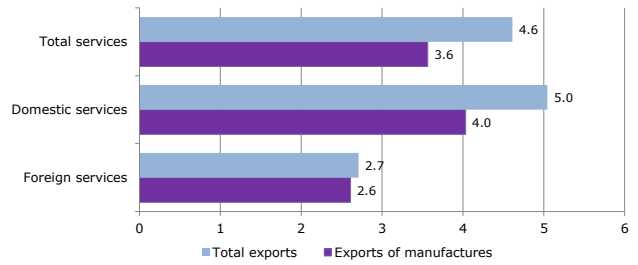
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	13.5
2. Financial services	3.4
3. Land transport	3.3

#### Top foreign services providers to total exports

(% share in total gross exports)

1. China	1.1
2. Singapore	0.7
3. United States	0.7

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.3
2. Financial services	2.9
3. Land transport	2.2

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	1.6
2. United States	0.8
3. Japan	0.7

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

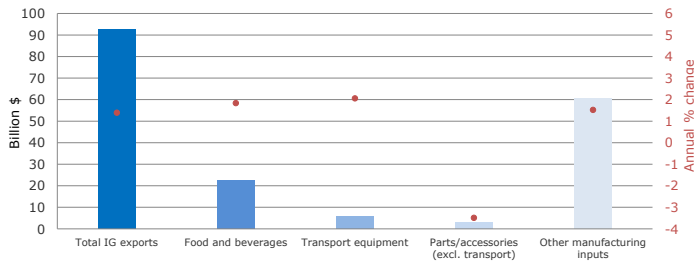
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	92	66.5	1.4
Commercial services	6	44.8	1.4
<b>Imports of intermediate</b>			
Goods	88	69.6	1.9
Commercial services	11	45.4	5.4

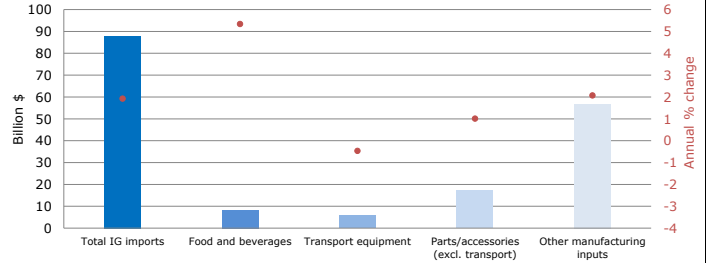
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	22	23.7
2. Japan	8	8.5
3. India	6	6.8

### Top origins of imports of intermediate goods

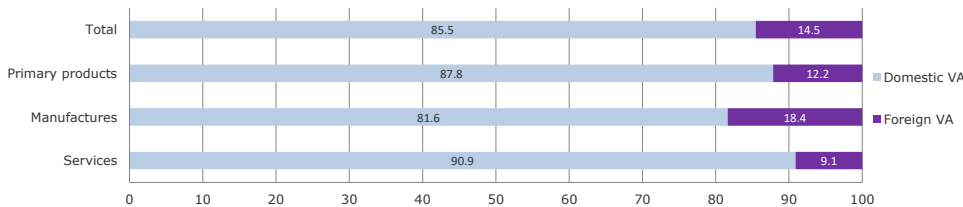
(Billion \$ and %)

	2020	2020 share in total
1. China	23	25.9
2. Japan	8	8.7
3. Singapore	6	7.0

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

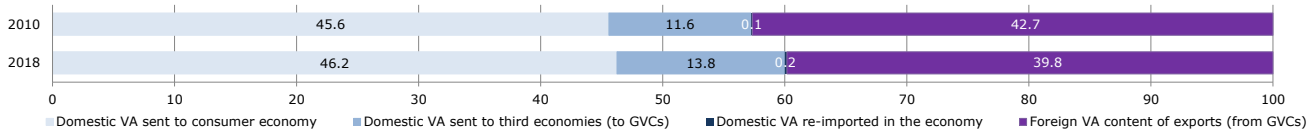


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

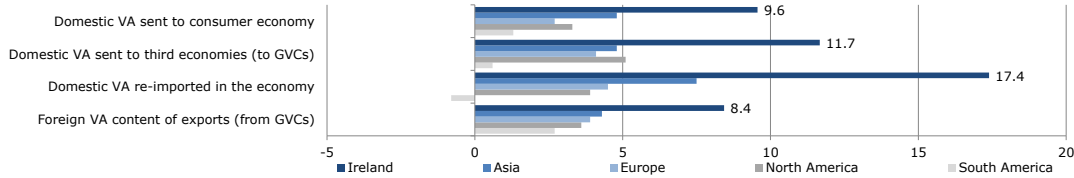
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010-2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Pharmaceutical products	55.3	44.7	100.0	10.6	8.6
2. IT services	42.2	57.8	100.0	6.4	8.7
3. Financial services	61.1	38.9	100.0	6.4	4.1

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. United States	59.9	40.1	100.0	12.7	8.5
2. United Kingdom	62.0	38.0	100.0	7.3	4.5
3. Germany	54.2	45.8	100.0	4.8	4.0

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>0.9</b>	<b>27.5</b>	<b>31.8</b>	<b>1.8</b>	<b>5.8</b>	<b>32.2</b>	<b>100.0</b>
Primary products	34.0	9.6	12.5	5.7	9.8	28.5	100.0
Manufactures	0.4	52.3	6.8	2.5	7.2	30.8	100.0
Services	0.0	1.8	59.3	1.0	4.1	33.9	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

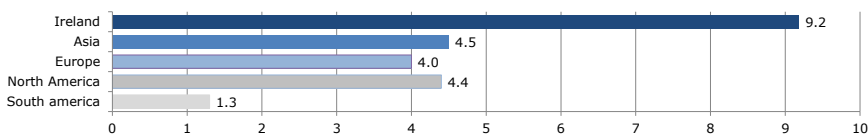
(% share in total gross exports)

## Regional averages

	Ireland	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>53.6</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	13.8	20.0	21.2	22.0	23.5
Backward participation	39.8	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Admin./support activities	11.7
2. Wholesale and retail trade	10.2
3. IT services	9.5

## Top exporters of Ireland inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	11.4
2. Netherlands	8.3
3. United Kingdom	8.0

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. IT services	22.0
2. Pharmaceutical products	21.5
3. Financial services	10.2

## Top foreign inputs providers

(% share in total foreign content of exports)

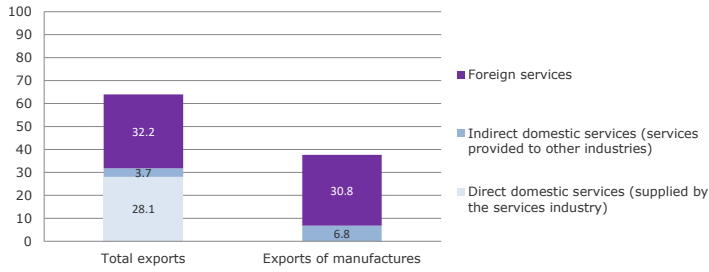
1. United States	28.7
2. United Kingdom	12.3
3. Netherlands	8.3

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

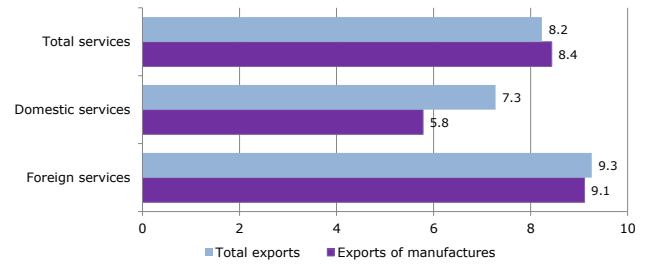
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Admin./support activities	12.2
2. Wholesale and retail trade	10.8
3. Financial services	9.8

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	10.1
2. United Kingdom	3.9
3. Netherlands	3.0

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Admin./support activities	8.0
2. Wholesale and retail trade	7.7
3. Scientific/technical activities	5.6

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	9.3
2. United Kingdom	3.7
3. Netherlands	3.0

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

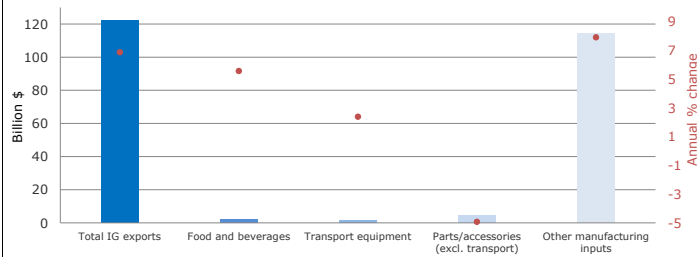
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	123	66.8	6.9
Commercial services	199	76.0	13.5
<b>Imports of intermediate</b>			
Goods	41	43.2	6.6
Commercial services	156	52.7	12.9

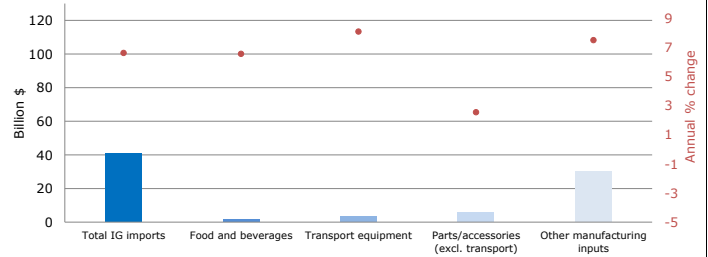
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. United States	43	34.8
2. Belgium	19	15.1
3. Germany	14	11.6

### Top origins of imports of intermediate goods

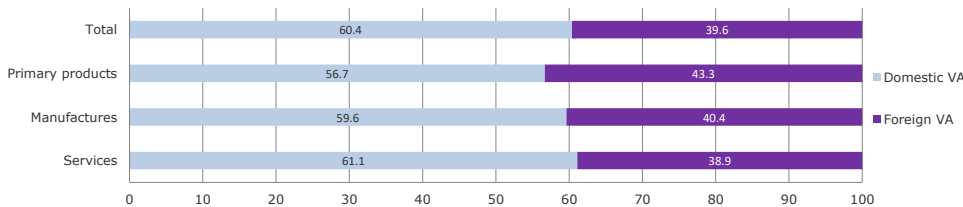
(Billion \$ and %)

	2020	2020 share in total
1. United Kingdom	8	18.5
2. United States	8	18.4
3. Switzerland	4	10.1

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



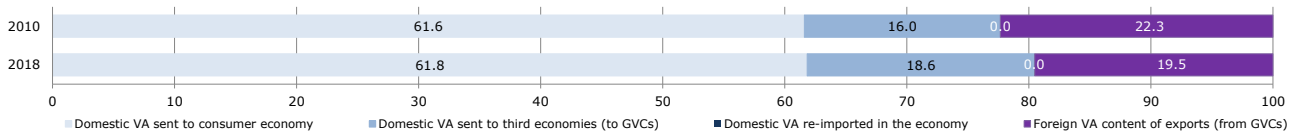
Source: WTO calculations based on the OECD TIVA database.



VALUE ADDED CONTENT OF GROSS EXPORTS

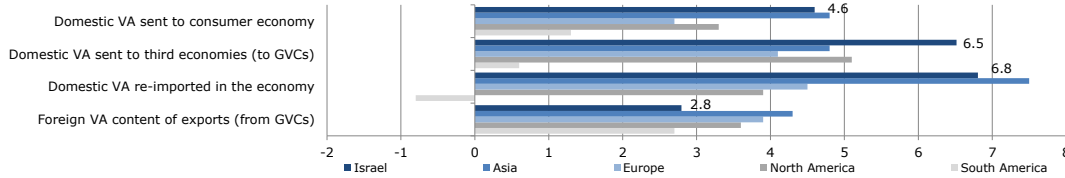
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. IT services	95.6	4.4	100.0
2. Wholesale and retail trade	91.0	9.0	100.0
3. Other manufacturing equipmer	59.8	40.2	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	15.7	0.7
	8.3	0.8
	4.7	3.2

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. United States	79.4	20.6	100.0
2. China	83.2	16.8	100.0
3. Germany	87.3	12.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	21.7	5.6
	5.9	1.2
	4.8	0.7

Domestic and foreign sectoral VA contribution to gross exports, 2018

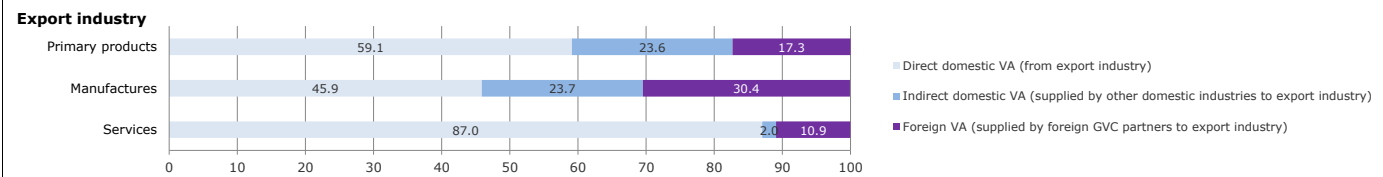
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>2.9</b>	<b>20.9</b>	<b>56.7</b>	<b>5.3</b>	<b>4.5</b>	<b>9.7</b>	<b>100.0</b>
Primary products	59.1	3.8	19.8	5.0	4.2	8.1	100.0
Manufactures	3.4	45.9	20.3	10.1	7.8	12.6	100.0
Services	0.2	1.9	87.0	1.4	1.9	7.6	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

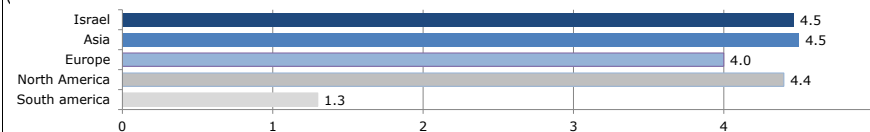
(% share in total gross exports)

Regional averages

	Israel	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>38.1</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	18.6	20.0	21.2	22.0	23.5
Backward participation	19.5	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. IT services	19.8
2. Wholesale and retail trade	10.8
3. Scientific/technical activities	9.9

Top exporters of Israel inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	9.2
2. China	8.2
3. Singapore	7.0

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Other manufacturing equipment	16.2
2. Petroleum products	16.1
3. Chemical products	7.0

Top foreign inputs providers

(% share in total foreign content of exports)

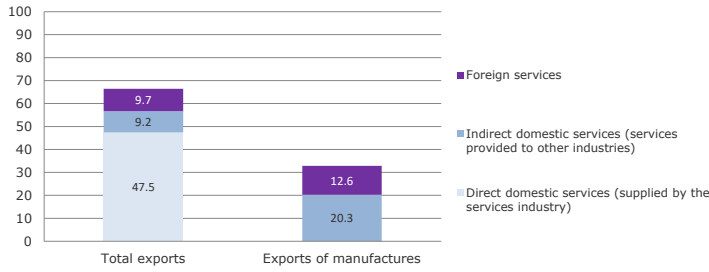
1. Russian Federation	17.0
2. United States	12.4
3. China	6.9

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

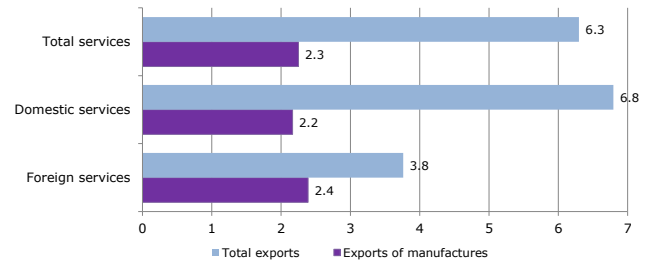
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. IT services	15.2
2. Wholesale and retail trade	11.8
3. Scientific/technical activities	9.1

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.8
2. Russian Federation	1.0
3. United Kingdom	0.6

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	9.0
2. Scientific/technical activities	6.4
3. Financial services	4.3

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	2.1
2. Russian Federation	1.9
3. China	0.9

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

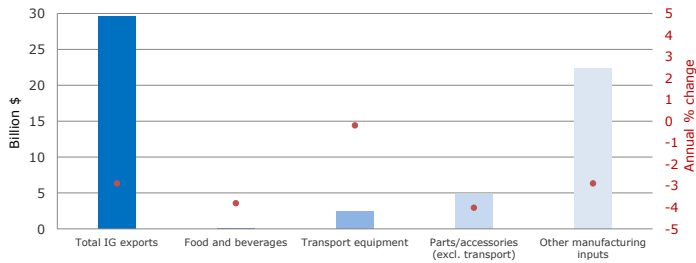
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	30	59.0	-2.9
Commercial services (2019)	37	65.7	11.6
<b>Imports of intermediate</b>			
Goods	30	46.5	0.4
Commercial services (2019)	10	31.9	8.1

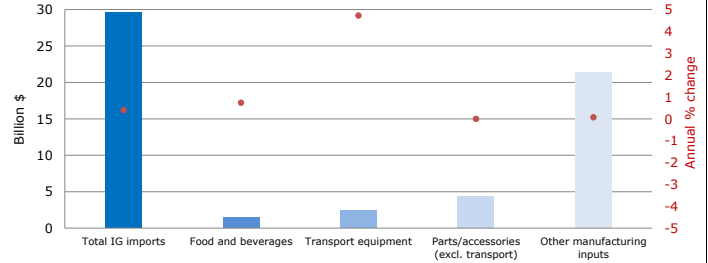
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. United States	7	23.7
2. United Kingdom	3	10.7
3. China	3	10.4

### Top origins of imports of intermediate goods

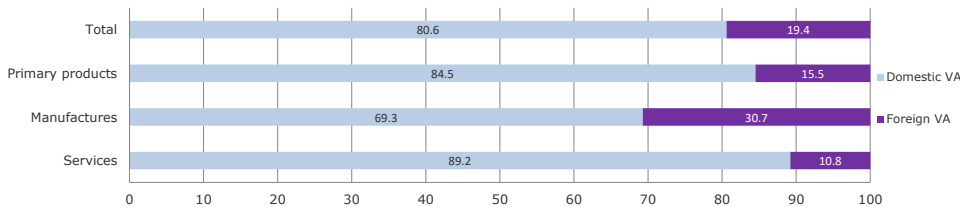
(Billion \$ and %)

	2020	2020 share in total
1. United States	4	14.1
2. China	3	11.3
3. Switzerland	2	8.3

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

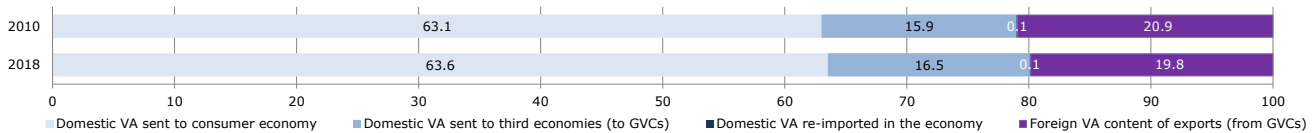


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

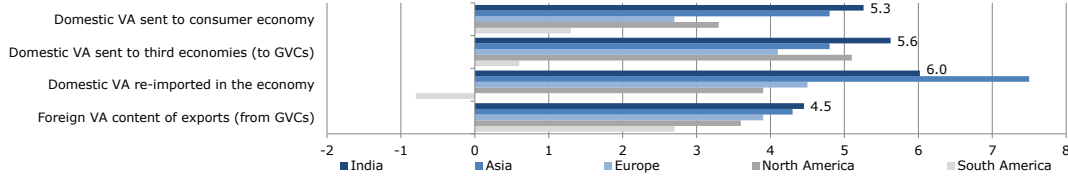
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. IT services	93.4	6.6	100.0	18.0	1.3
2. Petroleum products	40.8	59.2	100.0	3.8	5.5
3. Textiles and clothing	81.3	18.7	100.0	6.2	1.4

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. United States	82.7	17.3	100.0	18.1	3.8
2. China	82.6	17.4	100.0	6.3	1.3
3. United Kingdom	82.3	17.7	100.0	3.1	0.7

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

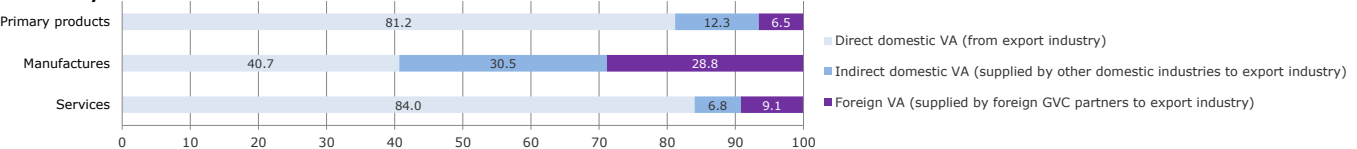
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>10.2</b>	<b>23.5</b>	<b>46.5</b>	<b>9.0</b>	<b>4.2</b>	<b>6.6</b>	<b>100.0</b>
Primary products	81.2	3.5	8.8	2.6	1.7	2.3	100.0
Manufactures	13.0	40.7	17.5	14.1	6.4	8.4	100.0
Services	3.9	2.9	84.0	3.0	1.5	4.7	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

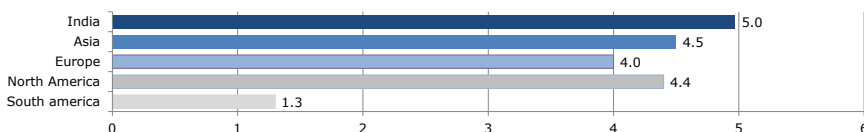
(% share in total gross exports)

## Regional averages

	India	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>36.4</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	16.5	20.0	21.2	22.0	23.5
Backward participation	19.8	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. IT services	14.9
2. Wholesale and retail trade	12.0
3. Admin./support activities	8.0

## Top exporters of India inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Singapore	9.9
2. China	7.1
3. United States	6.8

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Petroleum products	27.9
2. Other manufacturing equipment	11.6
3. Textiles and clothing	7.2

## Top foreign inputs providers

(% share in total foreign content of exports)

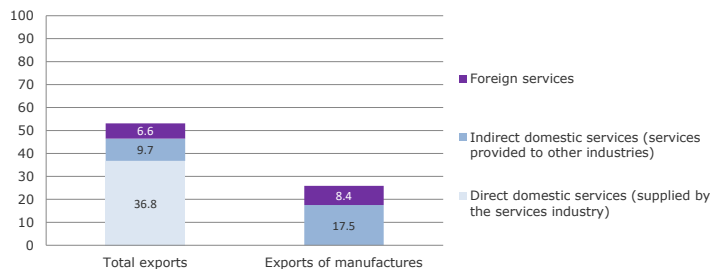
1. Saudi Arabia, Kingdom of	10.7
2. China	9.4
3. United States	9.4

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

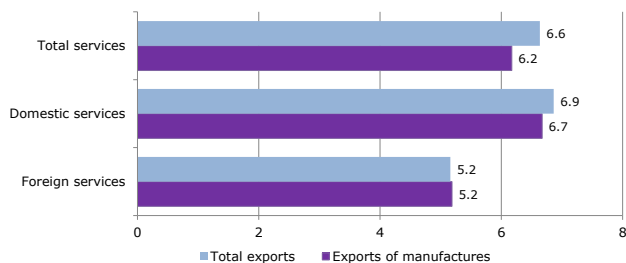
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. IT services	13.4
2. Wholesale and retail trade	11.8
3. Admin./support activities	6.2

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.2
2. China	0.7
3. Germany	0.3

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.9
2. Land transport	3.2
3. Financial services	2.8

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	1.4
2. China	1.0
3. Hong Kong, China	0.3

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

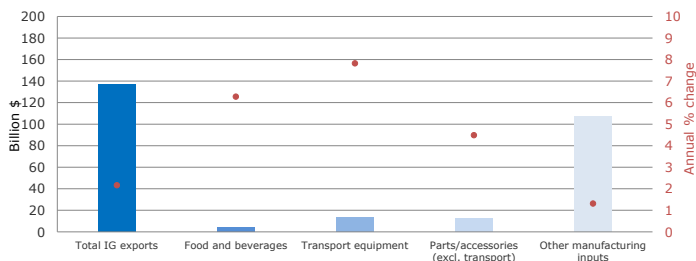
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	137	55.2	2.2
Commercial services	146	72.2	6.9
<b>Imports of intermediate</b>			
Goods	198	74.6	0.9
Commercial services	60	39.0	7.4

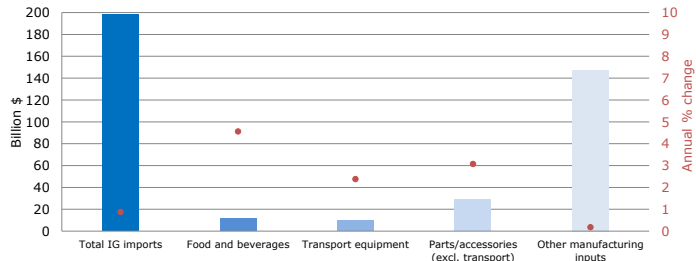
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. United States	22	16.3
2. China	15	11.0
3. Hong Kong, China	6	4.3

### Top origins of imports of intermediate goods

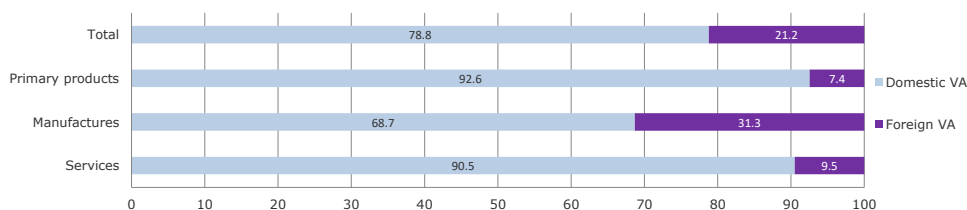
(Billion \$ and %)

	2020	2020 share in total
1. China	38	19.3
2. United States	15	7.8
3. Hong Kong, China	11	5.7

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

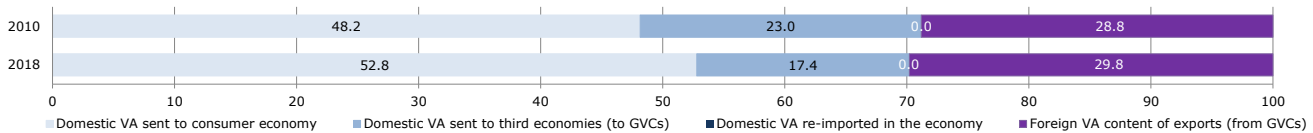


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

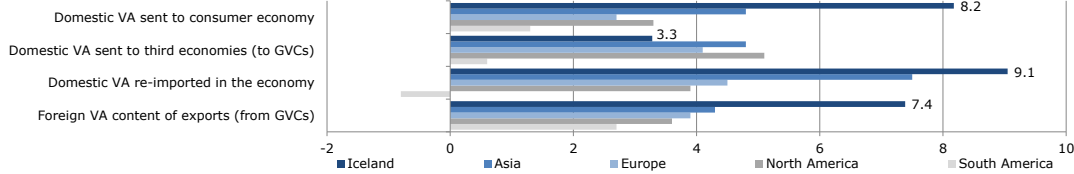
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Air transport	57.8	42.2	100.0
2. Food and beverages	74.0	26.0	100.0
3. Basic metals	55.5	44.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	11.5	8.4
	13.7	4.8
	8.3	6.7

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. United States	75.6	24.4	100.0
2. Germany	66.5	33.5	100.0
3. Saudi Arabia, Kingdom of	63.4	36.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	11.8	3.8
	7.3	3.7
	5.4	3.1

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

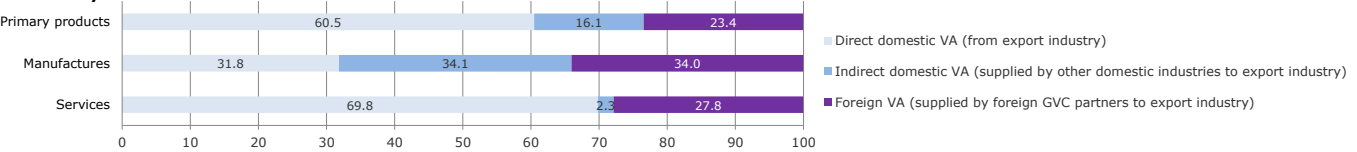
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>7.6</b>	<b>12.9</b>	<b>49.7</b>	<b>3.4</b>	<b>8.5</b>	<b>17.8</b>	<b>100.0</b>
Primary products	60.5	2.4	13.6	3.3	7.8	12.4	100.0
Manufactures	8.0	31.8	26.1	4.4	10.8	18.8	100.0
Services	0.4	1.9	69.8	2.8	7.1	17.9	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

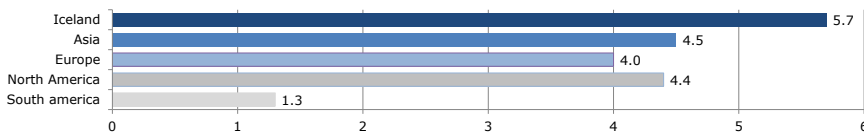
(% share in total gross exports)

## Regional averages

	Iceland	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>47.2</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	17.4	20.0	21.2	22.0	23.5
Backward participation	29.8	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Basic metals	16.7
2. Electricity/gas supply	9.4
3. Wholesale and retail trade	8.6

## Top exporters of Iceland inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	17.1
2. Netherlands	12.4
3. Denmark	6.7

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Air transport	28.2
2. Basic metals	22.4
3. Food and beverages	16.2

## Top foreign inputs providers

(% share in total foreign content of exports)

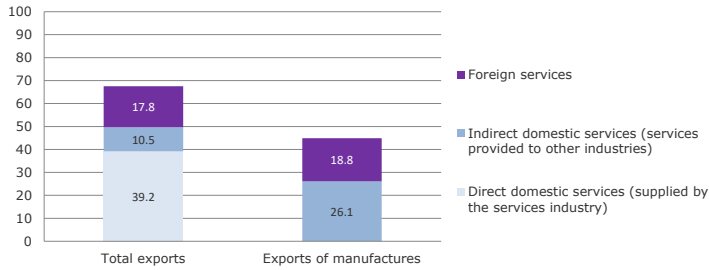
1. United States	15.4
2. Norway	7.7
3. Germany	7.5

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

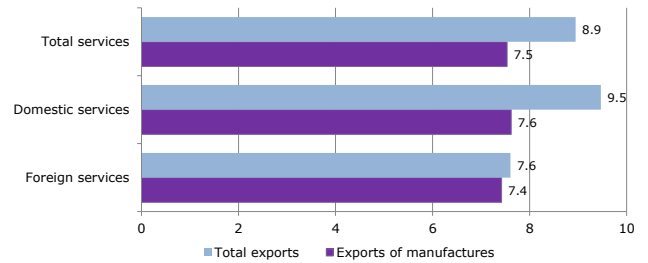
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	10.0
2. Air transport	7.9
3. Financial services	7.7

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	3.2
2. United Kingdom	1.7
3. Germany	1.3

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	9.8
2. Financial services	6.9
3. Electricity/gas supply	6.0

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	2.2
2. Germany	1.6
3. United Kingdom	1.5

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

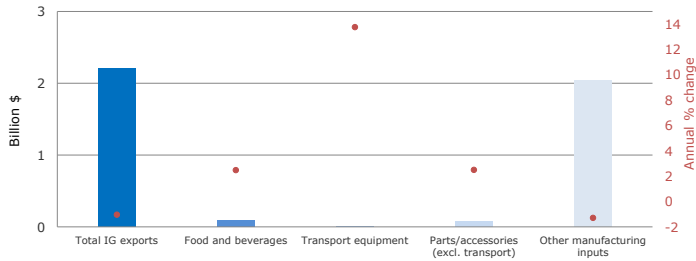
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	2	48.7	-1.0
Commercial services	1	28.8	7.8
<b>Imports of intermediate</b>			
Goods	3	48.2	2.8
Commercial services	1	38.8	4.1

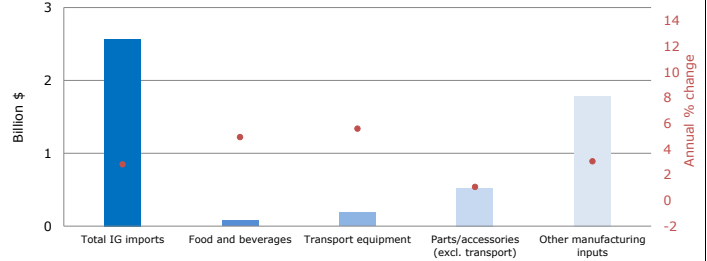
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Netherlands	1	33.5
2. Spain	1	28.7
3. Norway	0.2	7.2

### Top origins of imports of intermediate goods

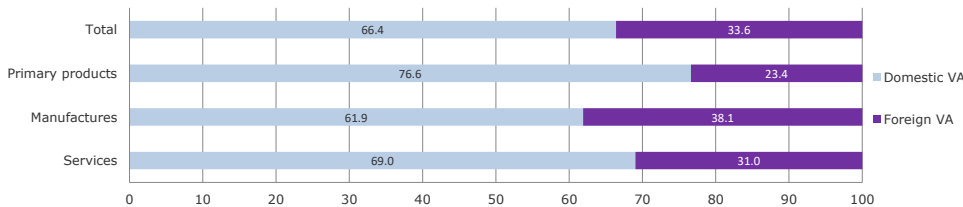
(Billion \$ and %)

	2020	2020 share in total
1. Netherlands	0.3	10.9
2. Brazil	0.3	10.0
3. Norway	0.2	8.8

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

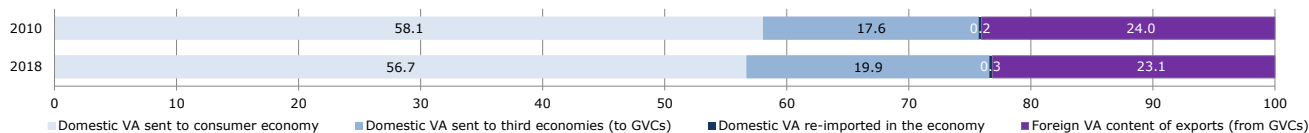


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

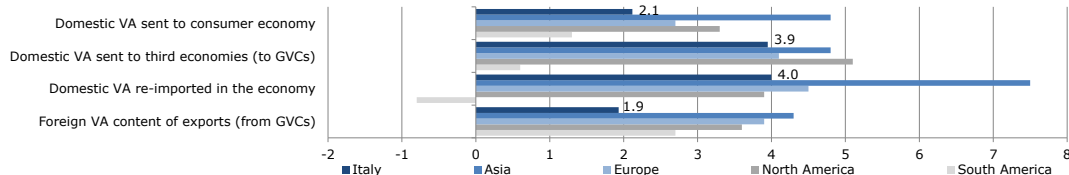
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010-2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Other machinery and equipment	73.7	26.3	100.0
2. Wholesale and retail trade	89.7	10.3	100.0
3. Textiles and clothing	77.5	22.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Other machinery and equipment	9.6	3.4
2. Wholesale and retail trade	11.5	1.3
3. Textiles and clothing	5.3	1.5

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	76.5	23.5	100.0
2. United States	77.5	22.5	100.0
3. France	76.5	23.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Germany	8.4	2.6
2. United States	8.1	2.4
3. France	7.2	2.2

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

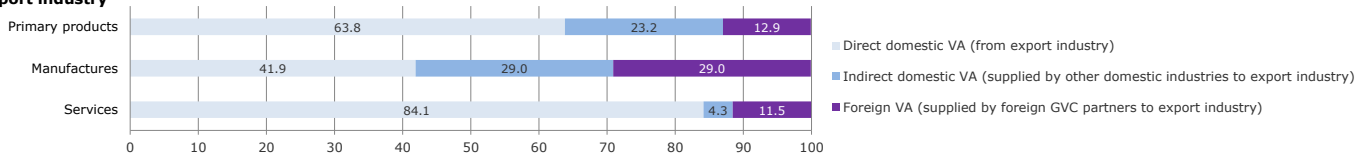
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>1.9</b>	<b>28.9</b>	<b>46.1</b>	<b>4.1</b>	<b>7.8</b>	<b>11.3</b>	<b>100.0</b>
Primary products	63.8	4.3	18.9	3.5	3.2	6.2	100.0
Manufactures	1.3	41.9	27.7	5.1	10.5	13.5	100.0
Services	0.7	3.6	84.1	2.0	2.6	7.0	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

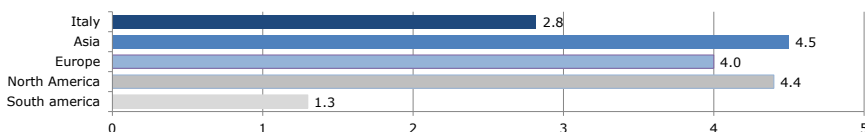
(% share in total gross exports)

## Regional averages

	Italy	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>43.0</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	19.9	20.0	21.2	22.0	23.5
Backward participation	23.1	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	15.7
2. Scientific/technical activities	7.5
3. Other machinery and equipment	6.4

## Top exporters of Italy inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	14.2
2. France	9.2
3. Spain	5.1

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Other machinery and equipment	14.8
2. Motor vehicles	9.2
3. Basic metals	8.1

## Top foreign inputs providers

(% share in total foreign content of exports)

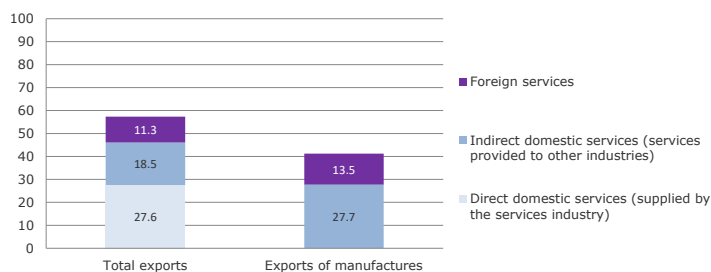
1. Germany	13.8
2. France	7.7
3. China	6.9

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

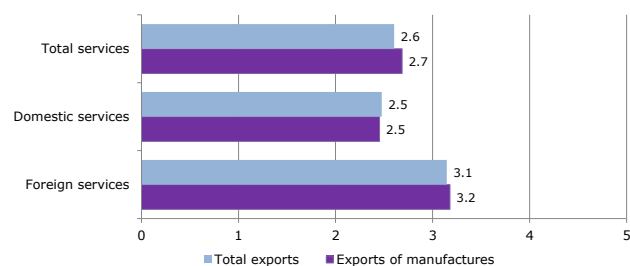
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	15.9
2. Scientific/technical activities	6.7
3. Financial services	4.9

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	1.6
2. France	1.1
3. United States	0.9

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.8
2. Scientific/technical activities	5.6
3. Financial services	3.7

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	2.0
2. France	1.4
3. United States	1.1

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

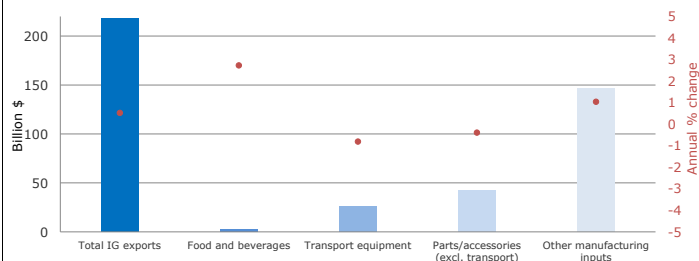
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	218	44.8	0.5
Commercial services	36	41.3	1.4
<b>Imports of intermediate</b>			
Goods	204	52.8	-0.5
Commercial services	40	43.8	0.8

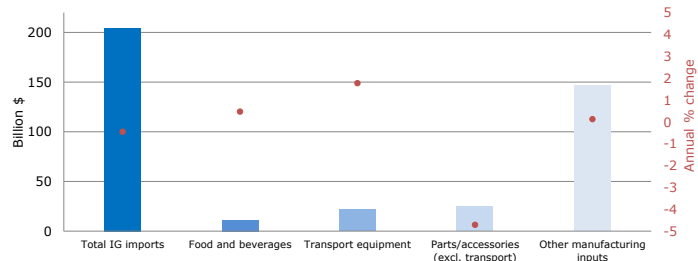
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	33	15.0
2. France	21	9.9
3. United States	16	7.3

### Top origins of imports of intermediate goods

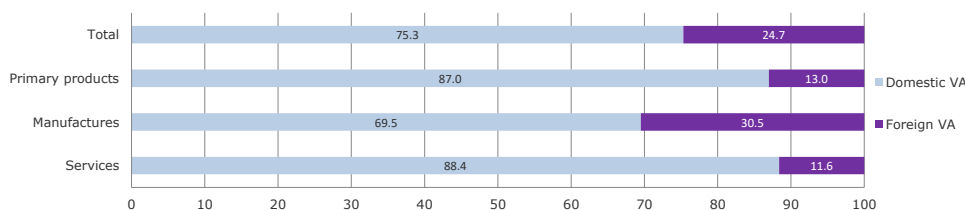
(Billion \$ and %)

	2020	2020 share in total
1. Germany	35	17.3
2. France	16	8.1
3. China	15	7.2

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



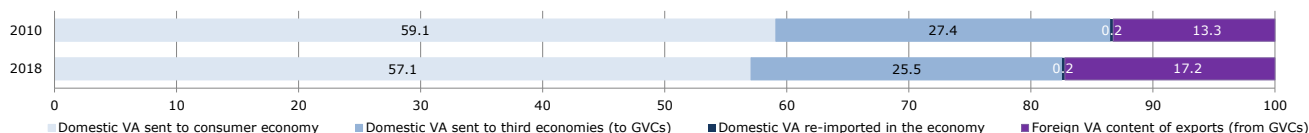
Source: WTO calculations based on the OECD TIVA database.



## VALUE ADDED CONTENT OF GROSS EXPORTS

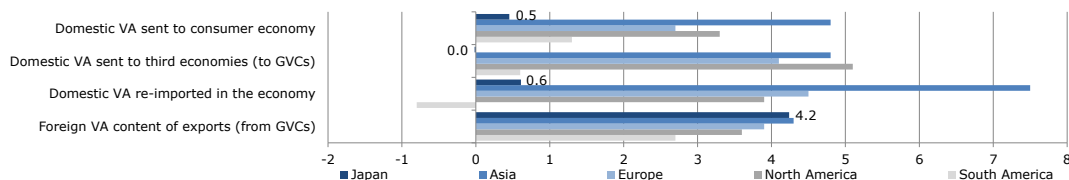
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010-2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Motor vehicles	79.4	20.6	100.0
2. Other machinery and equipt.	83.0	17.0	100.0
3. Wholesale and retail trade	92.1	7.9	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Motor vehicles	13.7	3.6
2. Other machinery and equipt.	10.7	2.2
3. Wholesale and retail trade	11.8	1.0

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	82.7	17.3	100.0
2. United States	82.9	17.1	100.0
3. Korea, Republic of	81.5	18.5	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. China	17.3	3.6
2. United States	13.7	2.8
3. Korea, Republic of	5.4	1.2

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

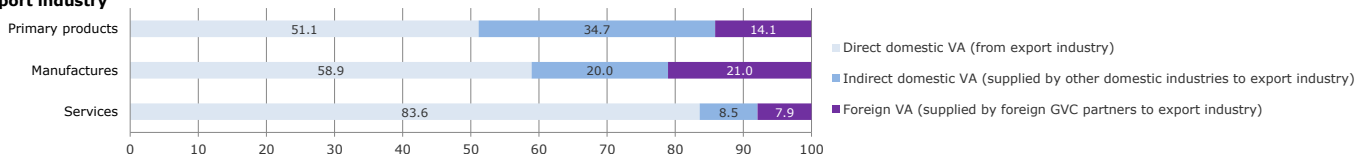
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>0.4</b>	<b>44.0</b>	<b>38.4</b>	<b>4.8</b>	<b>5.3</b>	<b>7.1</b>	<b>100.0</b>
Primary products	51.1	11.2	23.5	4.7	3.4	6.0	100.0
Manufactures	0.3	58.9	19.7	6.2	6.6	8.3	100.0
Services	0.4	8.1	83.6	1.3	2.3	4.3	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

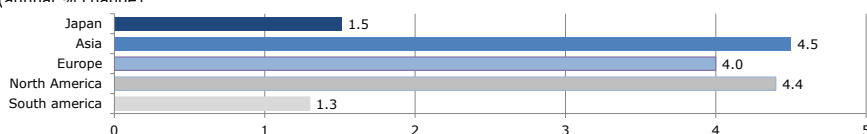
(% share in total gross exports)

## Regional averages

	Japan	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>42.7</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	25.5	20.0	21.2	22.0	23.5
Backward participation	17.2	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	19.0
2. Admin./support activities	10.5
3. Basic metals	9.2

## Top exporters of Japan inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	16.2
2. Chinese Taipei	9.7
3. Singapore	9.0

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	20.8
2. Basic metals	14.4
3. Other machinery and equipment	12.8

## Top foreign inputs providers

(% share in total foreign content of exports)

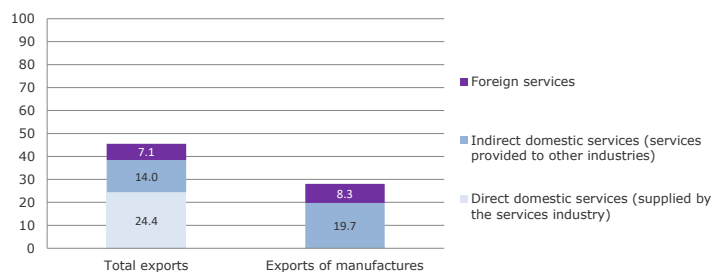
1. China	16.4
2. United States	12.8
3. Australia	10.4

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

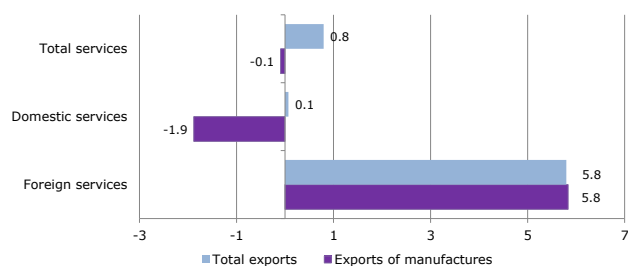
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	17.5
2. Admin./support activities	6.1
3. Scientific/technical activities	3.8

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.3
2. China	1.1
3. Australia	0.5

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.9
2. Scientific/technical activities	2.9
3. Land transport	2.6

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	1.4
2. China	1.3
3. Australia	0.7

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

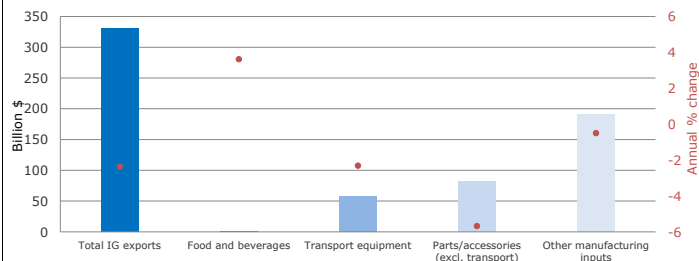
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	331	52.2	-2.4
Commercial services	54	34.3	4.8
<b>Imports of intermediate</b>			
Goods	260	49.0	-0.3
Commercial services	84	46.2	7.1

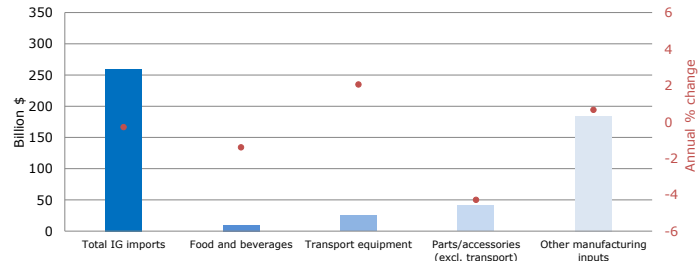
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	80	24.1
2. United States	47	14.2
3. Chinese Taipei	28	8.6

### Top origins of imports of intermediate goods

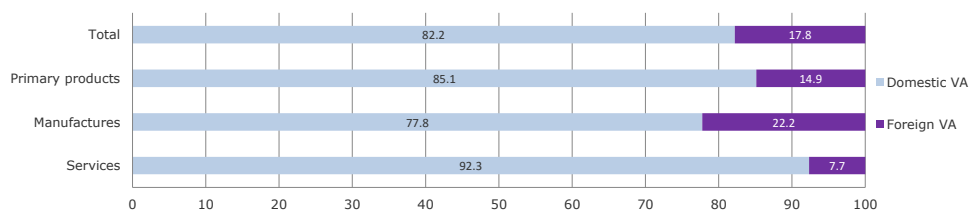
(Billion \$ and %)

	2020	2020 share in total
1. China	56	21.6
2. United States	37	14.2
3. Chinese Taipei	20	7.6

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

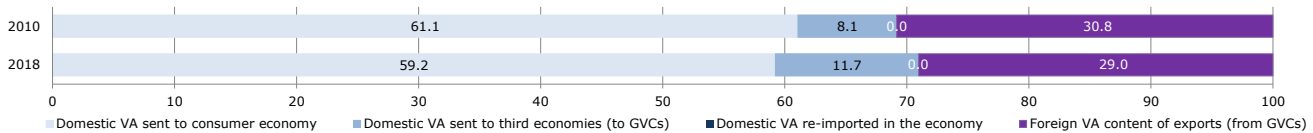


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

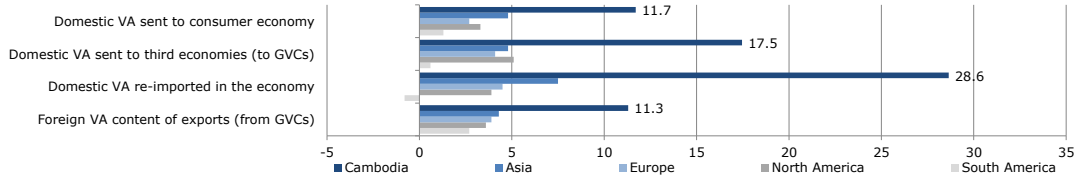
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Textiles and clothing	66.7	33.3	100.0	35.4	17.6
2. Wholesale and retail trade	76.3	23.7	100.0	6.7	2.1
3. Agriculture	91.4	8.6	100.0	5.3	0.5

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. United States	70.1	29.9	100.0	13.5	5.8
2. China	71.1	28.9	100.0	6.7	2.7
3. Canada	68.5	31.5	100.0	4.8	2.2

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>9.5</b>	<b>33.3</b>	<b>28.1</b>	<b>3.4</b>	<b>12.4</b>	<b>13.3</b>	<b>100.0</b>
Primary products	86.6	2.2	2.5	1.3	3.7	3.6	100.0
Manufactures	4.2	51.3	11.1	4.1	14.1	15.1	100.0
Services	5.4	2.6	67.7	2.4	10.5	11.4	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

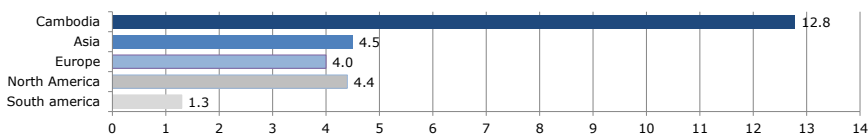
(% share in total gross exports)

## Regional averages

	Cambodia	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>40.8</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	11.7	20.0	21.2	22.0	23.5
Backward participation	29.0	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Textiles and clothing	31.0
2. Agriculture	17.7
3. Wholesale and retail trade	14.2

## Top exporters of Cambodia inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Viet Nam	20.3
2. China	9.4
3. Singapore	6.8

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Textiles and clothing	60.7
2. Wholesale and retail trade	7.2
3. Accommodation and food services	4.5

## Top foreign inputs providers

(% share in total foreign content of exports)

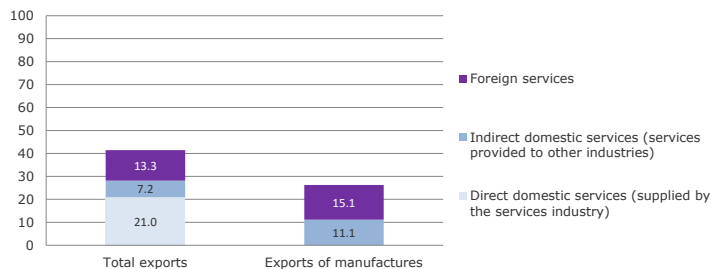
1. China	44.9
2. Thailand	7.6
3. Viet Nam	5.0

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

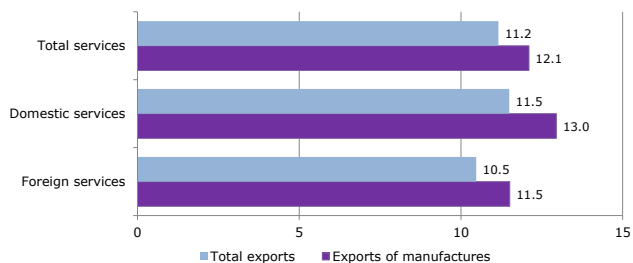
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	14.6
2. Accommodation and food servi	4.1
3. Land transport	3.8

#### Top foreign services providers to total exports

(% share in total gross exports)

1. China	5.2
2. Thailand	1.0
3. United States	0.8

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	11.4
2. Land transport	2.1
3. Financial services	1.7

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	6.5
2. Thailand	1.1
3. United States	0.9

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

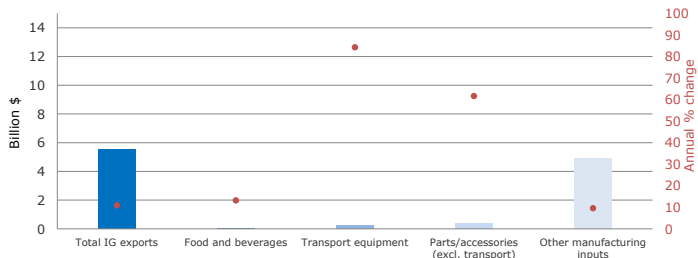
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	6	31.4	10.9
Commercial services	0.2	12.0	3.4
<b>Imports of intermediate</b>			
Goods	12	69.7	14.6
Commercial services	0.2	10.5	9.3

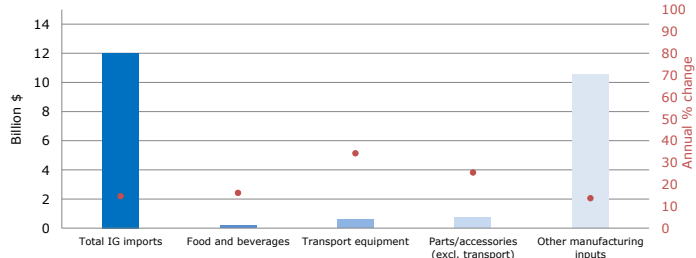
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Singapore	3	45.8
2. United States	1	13.2
3. Thailand	1	10.3

### Top origins of imports of intermediate goods

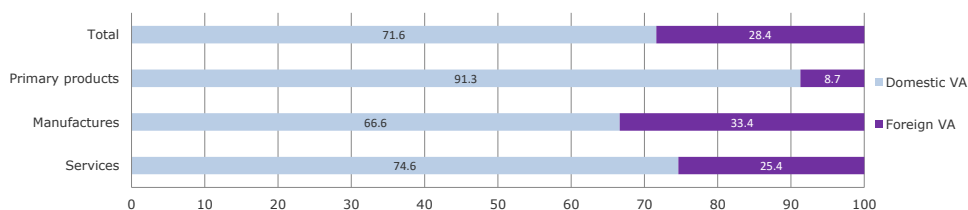
(Billion \$ and %)

	2020	2020 share in total
1. China	6	46.9
2. Viet Nam	2	14.1
3. Thailand	1	7.8

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

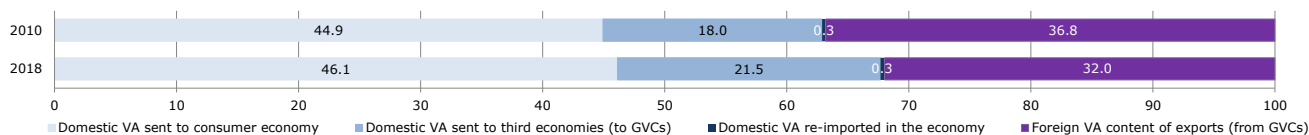


Source: WTO calculations based on the OECD TIVA database.

### VALUE ADDED CONTENT OF GROSS EXPORTS

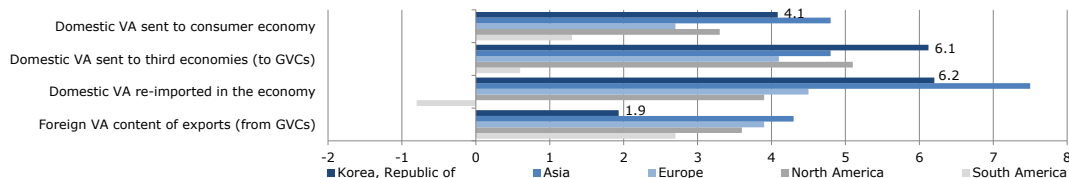
#### The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



#### Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



#### Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Computer/electronic prod.	72.9	27.1	100.0
2. Chemical products	59.1	40.9	100.0
3. Motor vehicles	68.9	31.1	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Computer/electronic prod.	20.9	7.8
2. Chemical products	5.6	3.9
3. Motor vehicles	6.3	2.8

#### Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	69.2	30.8	100.0
2. United States	70.4	29.6	100.0
3. Japan	64.4	35.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. China	22.8	10.1
2. United States	8.2	3.4
3. Japan	4.1	2.3

#### Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

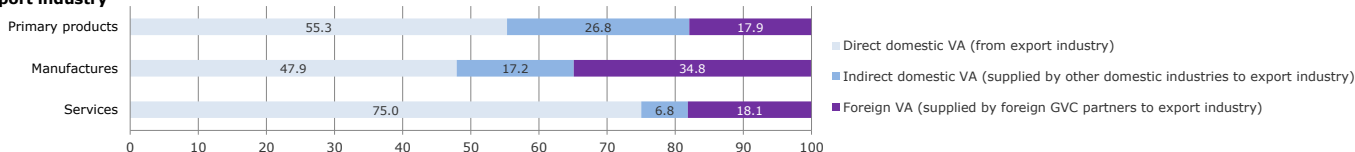
##### Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>0.7</b>	<b>40.7</b>	<b>26.6</b>	<b>10.9</b>	<b>9.6</b>	<b>11.5</b>	<b>100.0</b>
Primary products	55.3	8.5	18.3	5.6	4.9	7.4	100.0
Manufactures	0.6	47.9	16.6	12.2	10.7	12.0	100.0
Services	0.7	6.1	75.0	5.1	4.1	8.9	100.0

#### Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

##### Export industry



Source: WTO calculations based on the OECD TIVA database.

### PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

#### GVC participation index, 2018

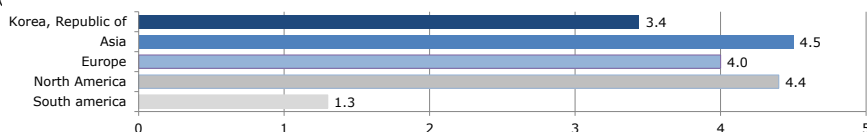
(% share in total gross exports)

##### Regional averages

	Korea, Republic of	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>53.5</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	21.5	20.0	21.2	22.0	23.5
Backward participation	32.0	24.4	27.6	15.8	13.0

#### Evolution of total GVC participation, 2010-2018

(annual % change)



#### Forward GVC participation, 2018

##### Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Computer/electronic prod.	29.1
2. Wholesale and retail trade	9.8
3. Chemical products	7.3

##### Top exporters of Korea, Republic of inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	31.9
2. Viet Nam	8.9
3. Chinese Taipei	6.7

#### Backward GVC participation, 2018

##### Top GVC-importing industries

(% share in total foreign content of exports)

1. Computer/electronic products	24.3
2. Petroleum products	17.2
3. Chemical products	12.1

##### Top foreign inputs providers

(% share in total foreign content of exports)

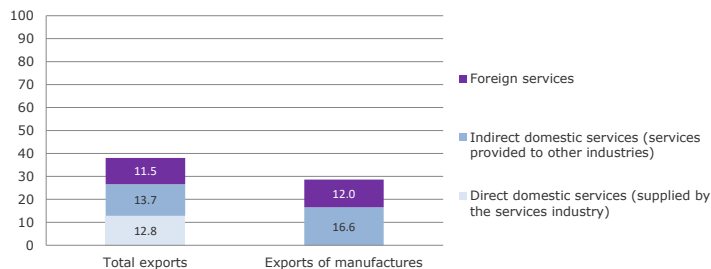
1. China	16.3
2. United States	11.3
3. Japan	8.5

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

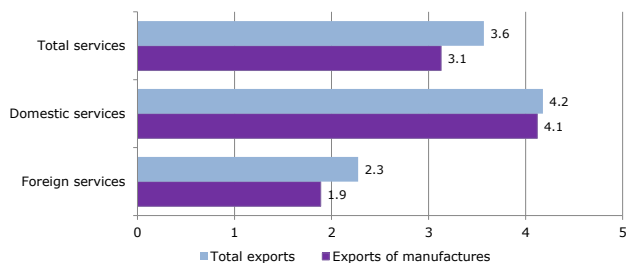
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	10.4
2. Scientific/technical activities	5.4
3. Admin./support activities	3.8

#### Top foreign services providers to total exports

(% share in total gross exports)

1. China	2.1
2. United States	2.0
3. Japan	1.2

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	7.7
2. Scientific/technical activities	4.5
3. Financial services	2.9

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	2.2
2. United States	2.0
3. Japan	1.3

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

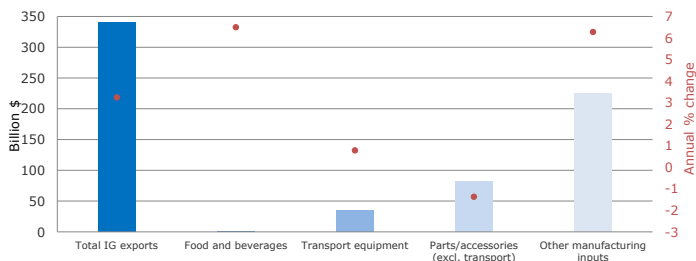
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	340	69.6	3.2
Commercial services	31	36.1	9.4
<b>Imports of intermediate</b>			
Goods	234	61.5	1.1
Commercial services	38	37.2	4.3

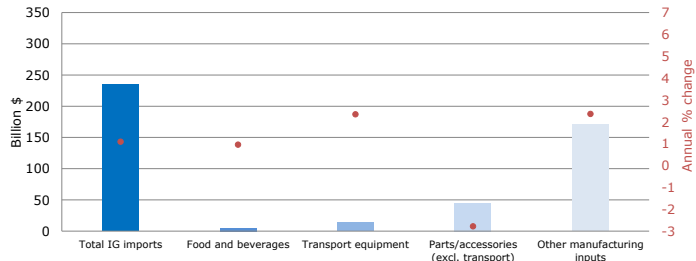
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	100	29.5
2. Viet Nam	40	11.9
3. United States	39	11.4

### Top origins of imports of intermediate goods

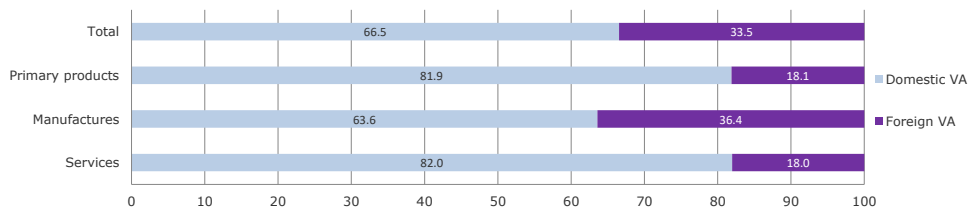
(Billion \$ and %)

	2020	2020 share in total
1. China	68	28.9
2. Japan	31	13.2
3. United States	24	10.4

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

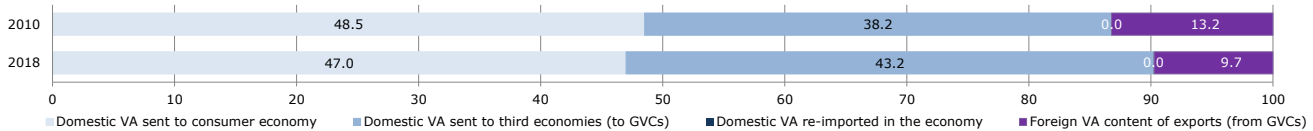


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

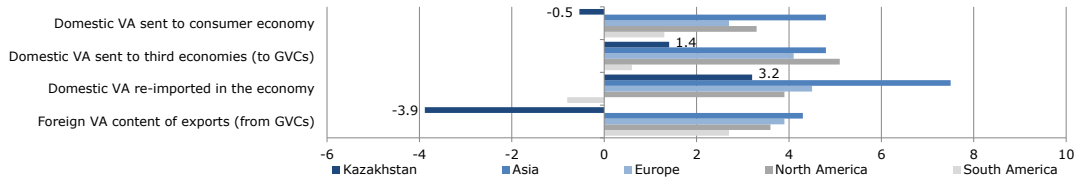
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (energy products)	92.3	7.7	100.0
2. Wholesale and retail trade	93.2	6.8	100.0
3. Basic metals	88.8	11.2	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Mining (energy products)	39.9	3.3
2. Wholesale and retail trade	15.6	1.1
3. Basic metals	9.8	1.2

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	88.9	11.1	100.0
2. Germany	91.9	8.1	100.0
3. France	91.8	8.2	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. China	17.1	2.1
2. Germany	7.3	0.6
3. France	6.8	0.6

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

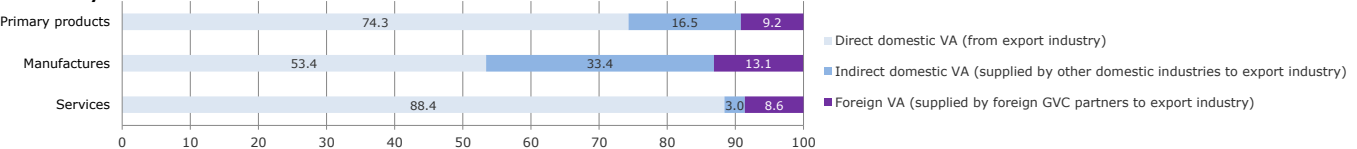
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>41.6</b>	<b>11.2</b>	<b>37.5</b>	<b>1.2</b>	<b>3.2</b>	<b>5.3</b>	<b>100.0</b>
Primary products	74.3	1.9	14.6	0.9	3.2	5.1	100.0
Manufactures	9.7	53.4	23.8	2.6	4.2	6.4	100.0
Services	0.7	2.3	88.4	0.8	2.6	5.2	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

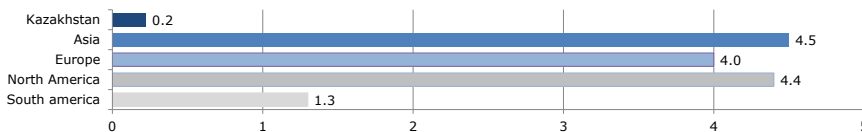
(% share in total gross exports)

## Regional averages

	Kazakhstan	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>53.0</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	43.2	20.0	21.2	22.0	23.5
Backward participation	9.7	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (energy products)	44.2
2. Wholesale and retail trade	19.0
3. Basic metals	6.9

## Top exporters of Kazakhstan inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	9.6
2. Germany	9.5
3. Austria	7.7

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Mining (energy products)	34.3
2. Mining (non-energy products)	13.6
3. Basic metals	12.6

## Top foreign inputs providers

(% share in total foreign content of exports)

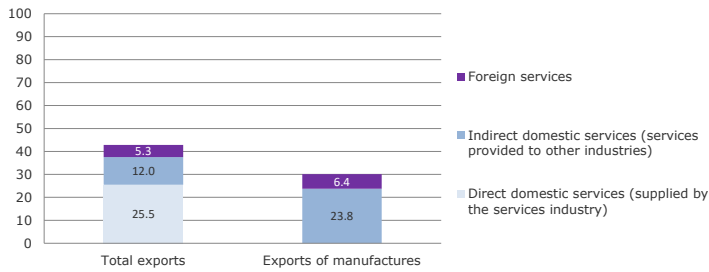
1. Russian Federation	35.1
2. China	11.1
3. United States	5.8

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

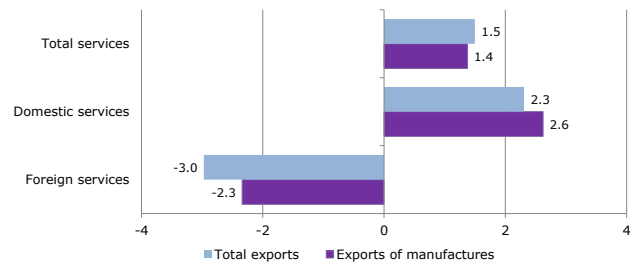
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	19.2
2. Land transport	7.9
3. Scientific/technical activities	3.1

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Russian Federation	1.6
2. China	0.5
3. United States	0.4

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	13.6
2. Land transport	7.0
3. Scientific/technical activities	1.8

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Russian Federation	2.4
2. China	0.5
3. United States	0.4

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

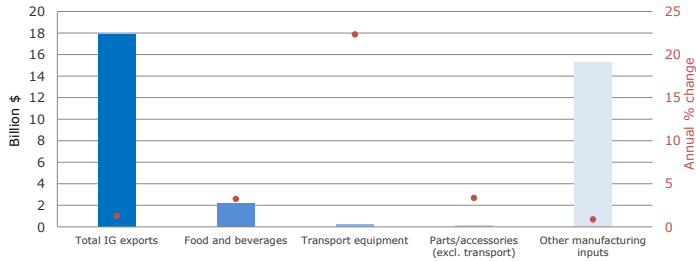
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	18	90.6	1.3
Commercial services	1	11.7	1.7
<b>Imports of intermediate</b>			
Goods	16	43.9	5.0
Commercial services	4	49.1	-3.6

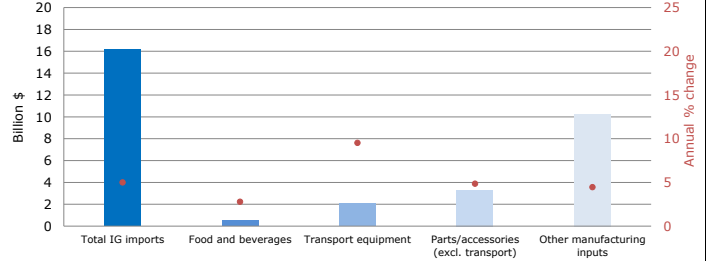
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	6	35.4
2. Russian Federation	4	22.4
3. Uzbekistan	2	9.1

### Top origins of imports of intermediate goods

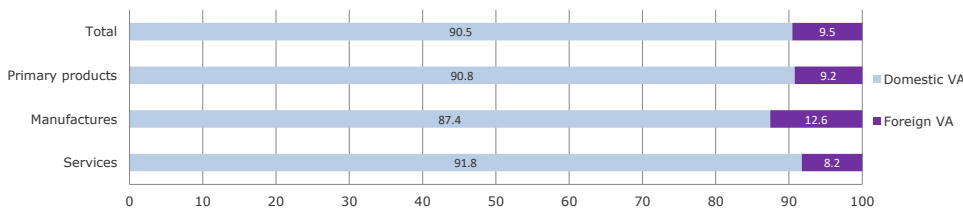
(Billion \$ and %)

	2020	2020 share in total
1. Russian Federation	7	43.9
2. China	2	14.7
3. Korea, Republic of	2	9.5

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



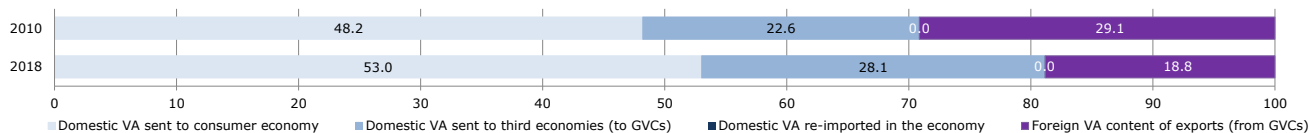
Source: WTO calculations based on the OECD TIVA database.



VALUE ADDED CONTENT OF GROSS EXPORTS

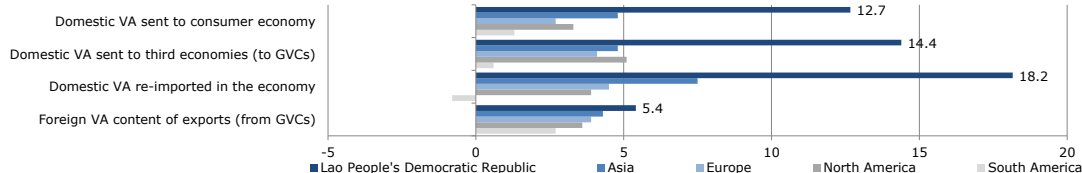
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Electricity/gas supply	84.8	15.2	100.0
2. Basic metals	60.8	39.2	100.0
3. Mining (non-energy products)	88.6	11.4	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	18.4	3.3
	8.0	5.2
	11.1	1.4

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Thailand	79.2	20.8	100.0
2. China	83.0	17.0	100.0
3. Viet Nam	86.8	13.2	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	33.1	8.7
	27.6	5.6
	5.5	0.8

Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

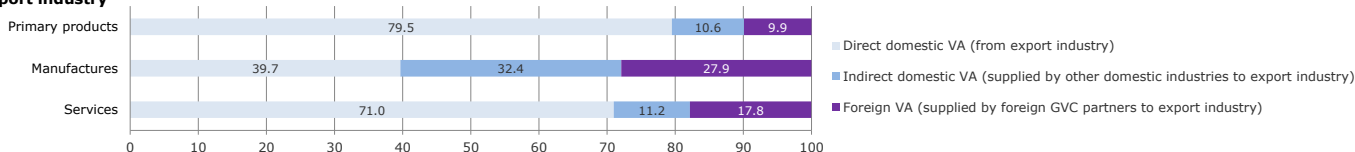
Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>29.4</b>	<b>13.7</b>	<b>38.0</b>	<b>5.5</b>	<b>6.4</b>	<b>7.0</b>	<b>100.0</b>
Primary products	79.5	1.7	8.8	3.2	3.2	3.5	100.0
Manufactures	17.3	39.7	15.2	7.7	10.2	10.0	100.0
Services	8.2	3.0	71.0	5.3	5.7	6.9	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

Export industry



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

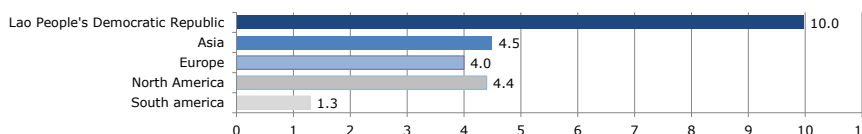
(% share in total gross exports)

Regional averages

	Lao PDR	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>46.9</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	28.1	20.0	21.2	22.0	23.5
Backward participation	18.8	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2010

Backward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Electricity/gas supply	27.9
2. Mining (non-energy products)	17.2
3. Basic metals	14.4

Top GVC-importing industries

(% share in total foreign content of exports)

1. Basic metals	27.4
2. Electricity/gas supply	17.6
3. Wholesale and retail trade	9.8

Top exporters of Lao People's Democratic Republic inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Thailand	51.8
2. China	19.1
3. Viet Nam	9.0

Top foreign inputs providers

(% share in total foreign content of exports)

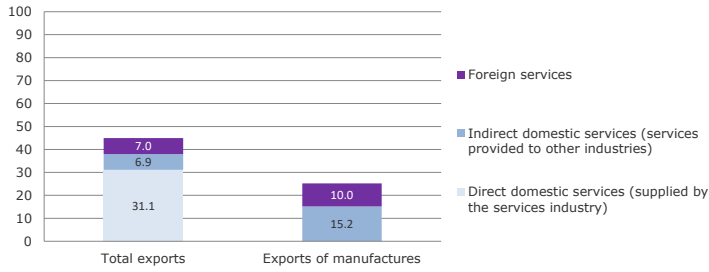
1. Thailand	34.1
2. China	16.4
3. Viet Nam	5.1

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

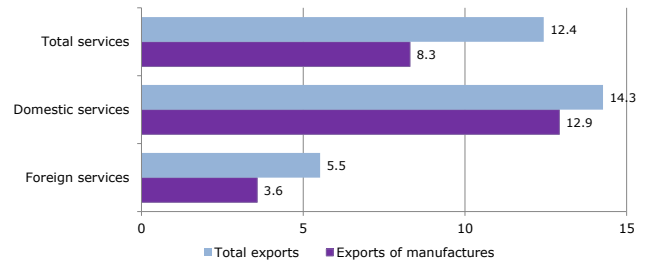
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Electricity/gas supply	15.4
2. Wholesale and retail trade	13.6
3. Financial services	3.3

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Thailand	2.5
2. China	1.1
3. United States	0.4

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	12.8
2. Financial services	2.7
3. Land transport	1.9

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Thailand	3.7
2. China	1.7
3. United States	0.5

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

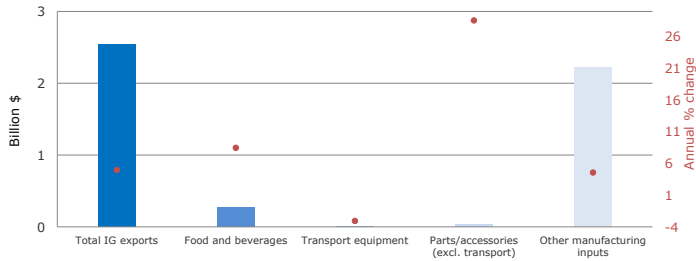
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	3	60.1	5.0
Commercial services (2019)	0.03	2.8	2.3
<b>Imports of intermediate</b>			
Goods	3	59.3	12.5
Commercial services (2019)	0.03	2.5	14.7

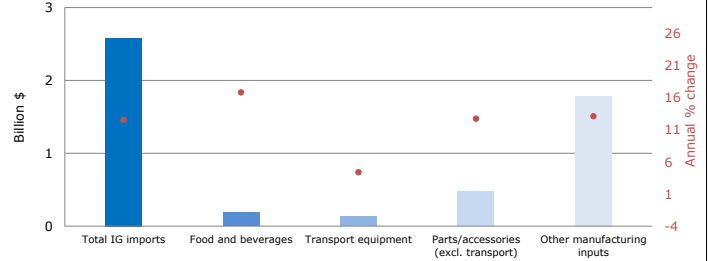
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	1	44.2
2. Thailand	1	19.8
3. Viet Nam	0.4	17.0

### Top origins of imports of intermediate goods

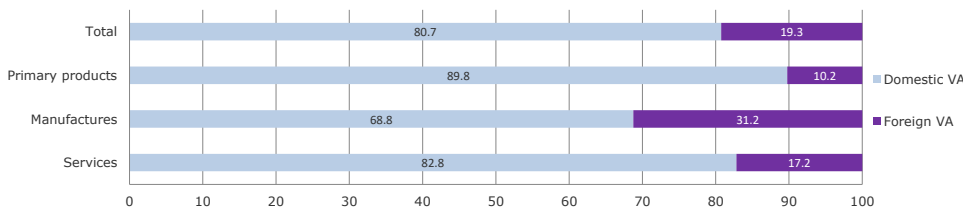
(Billion \$ and %)

	2020	2020 share in total
1. Thailand	1	40.2
2. China	1	31.7
3. Viet Nam	0.3	10.4

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

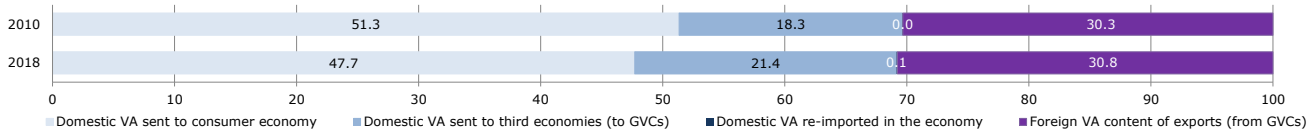


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

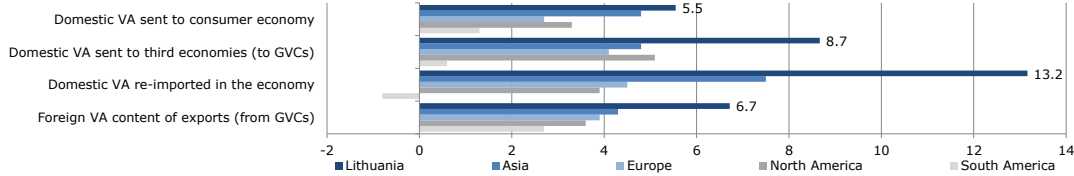
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Land transport	75.2	24.8	100.0
2. Wholesale and retail trade	88.8	11.2	100.0
3. Petroleum products	19.6	80.4	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Land transport	13.2	4.4
2. Wholesale and retail trade	9.3	1.2
3. Petroleum products	1.7	7.2

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	72.9	27.1	100.0
2. Latvia	63.3	36.7	100.0
3. Poland	62.1	37.9	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Germany	6.4	2.4
2. Latvia	5.4	3.1
3. Poland	5.2	3.2

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

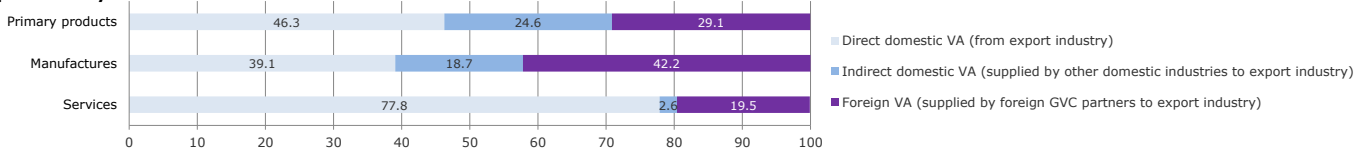
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>2.9</b>	<b>20.0</b>	<b>46.4</b>	<b>8.5</b>	<b>7.6</b>	<b>14.7</b>	<b>100.0</b>
Primary products	46.3	4.1	20.5	5.4	9.2	14.6	100.0
Manufactures	2.0	39.1	16.7	13.7	10.6	17.9	100.0
Services	0.2	2.3	77.8	3.6	4.5	11.4	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

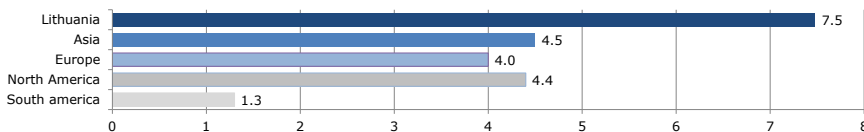
(% share in total gross exports)

## Regional averages

	Lithuania	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>52.2</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	21.4	20.0	21.2	22.0	23.5
Backward participation	30.8	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Land transport	19.3
2. Wholesale and retail trade	16.6
3. Warehousing for transportator	11.8

## Top exporters of Lithuania inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	10.7
2. Denmark	8.8
3. Poland	8.0

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Petroleum products	23.2
2. Land transport	14.2
3. Chemical products	9.2

## Top foreign inputs providers

(% share in total foreign content of exports)

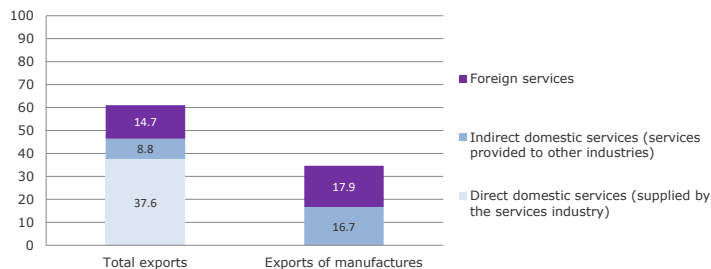
1. Russian Federation	25.1
2. Poland	7.1
3. Germany	6.9

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

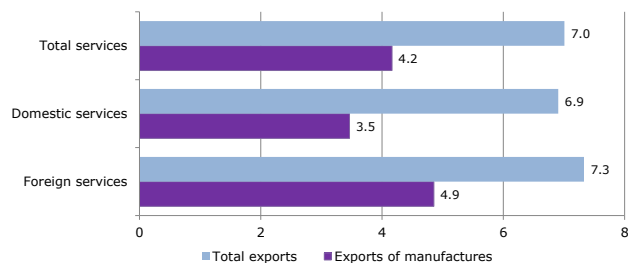
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	17.1
2. Land transport	13.5
3. Warehousing for transport	5.8

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Russian Federation	2.7
2. Poland	1.3
3. Germany	1.1

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	12.1
2. Land transport	5.0
3. Scientific/technical activities	2.8

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Russian Federation	3.9
2. Poland	1.6
3. Germany	1.4

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

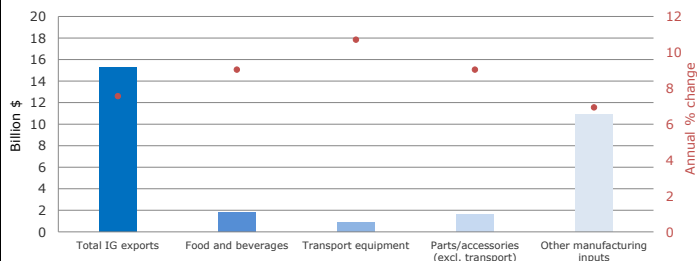
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	15	50.0	7.6
Commercial services	3	21.1	19.4
<b>Imports of intermediate</b>			
Goods	13	45.4	6.0
Commercial services	2	29.1	18.2

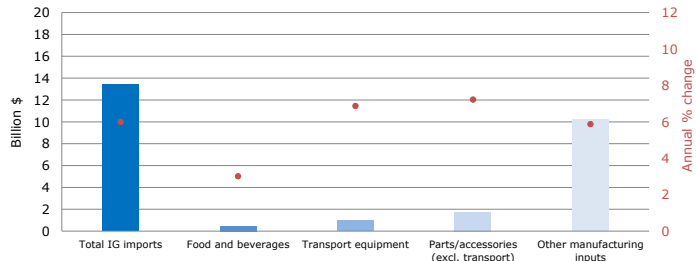
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Russian Federation	2	12.8
2. Germany	1	8.2
3. Latvia	1	7.4

### Top origins of imports of intermediate goods

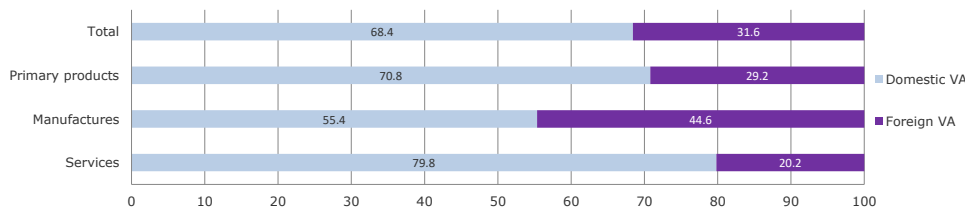
(Billion \$ and %)

	2020	2020 share in total
1. Poland	2	14.1
2. Germany	2	12.9
3. Latvia	1	6.9

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

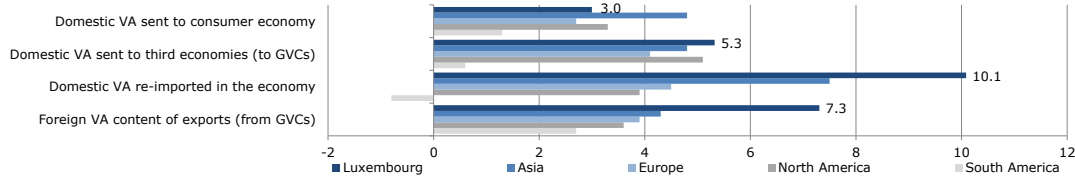
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Financial services	25.7	74.3	100.0
2. IT services	25.1	74.9	100.0
3. Wholesale and retail trade	49.0	51.0	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Financial services	13.1	37.9
2. IT services	3.1	9.2
3. Wholesale and retail trade	3.4	3.5

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	34.2	65.8	100.0
2. Italy	28.4	71.6	100.0
3. France	37.8	62.2	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Germany	4.7	9.0
2. Italy	2.7	6.8
3. France	3.5	5.7

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

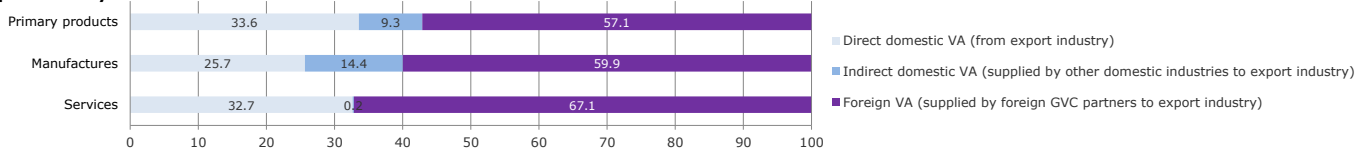
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>0.1</b>	<b>2.8</b>	<b>30.7</b>	<b>1.8</b>	<b>4.4</b>	<b>60.2</b>	<b>100.0</b>
Primary products	33.6	0.2	9.1	22.2	6.3	28.6	100.0
Manufactures	0.3	25.7	14.1	7.0	13.3	39.7	100.0
Services	0.0	0.2	32.7	1.1	3.4	62.7	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

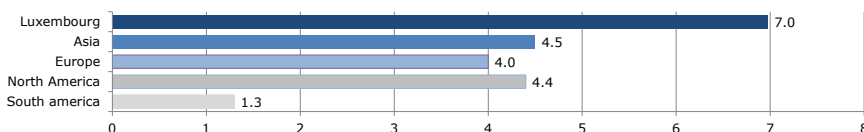
(% share in total gross exports)

## Regional averages

	Luxembourg	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>78.6</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	12.2	20.0	21.2	22.0	23.5
Backward participation	66.4	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Financial services	32.0
2. Wholesale and retail trade	14.8
3. Scientific/technical activities	11.2

## Top exporters of Luxembourg inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Ireland	18.5
2. Germany	12.8
3. Belgium	9.3

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Financial services	57.1
2. IT services	13.8
3. Wholesale and retail trade	5.3

## Top foreign inputs providers

(% share in total foreign content of exports)

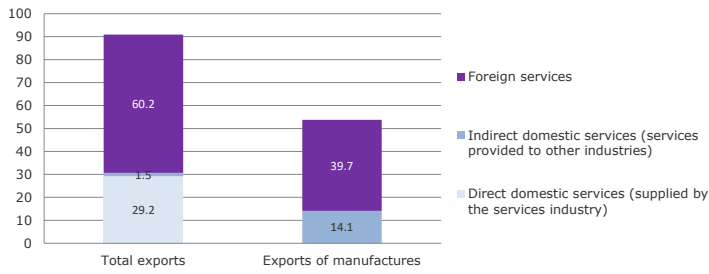
1. United States	15.0
2. Germany	14.6
3. United Kingdom	11.7

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

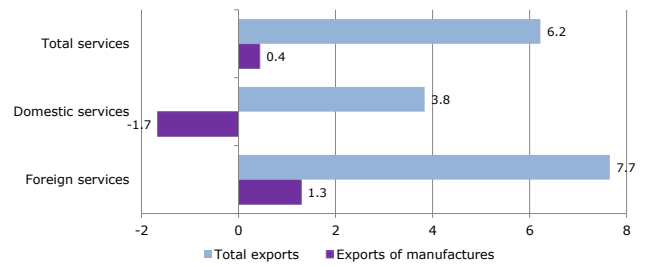
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Financial services	39.8
2. Scientific/technical activities	10.4
3. Admin./support activities	8.5

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	9.5
2. Germany	8.8
3. United Kingdom	7.5

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.5
2. Scientific/technical activities	6.9
3. Financial services	6.7

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	7.0
2. France	5.0
3. Belgium	4.0

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

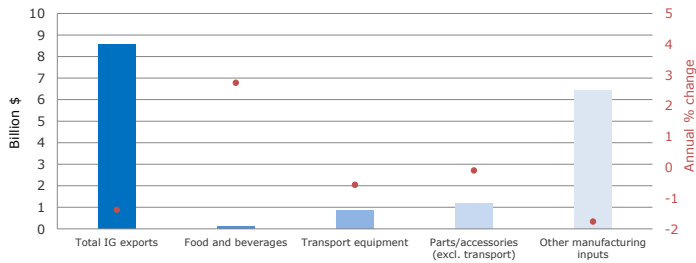
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	9	63.6	-1.4
Commercial services	27	24.4	12.0
<b>Imports of intermediate</b>			
Goods	8	42.9	0.0
Commercial services	20	23.1	10.8

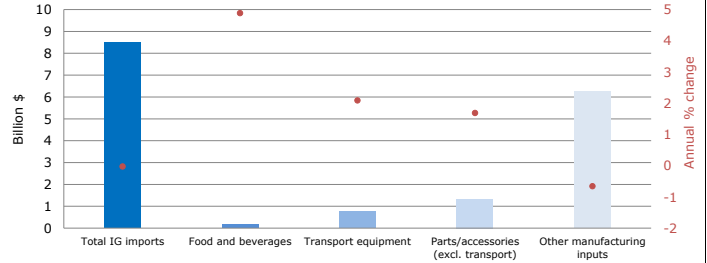
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	2	24.8
2. France	1	14.9
3. Belgium	1	9.9

### Top origins of imports of intermediate goods

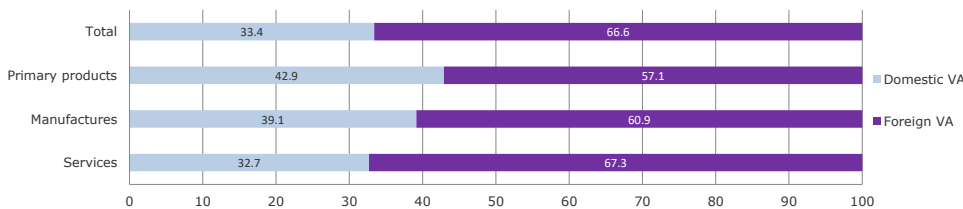
(Billion \$ and %)

	2020	2020 share in total
1. Germany	3	32.5
2. Belgium	2	19.3
3. France	1	11.2

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

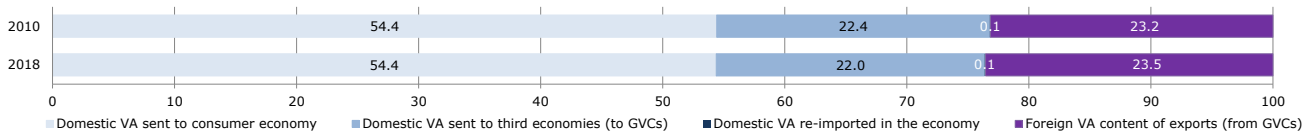


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

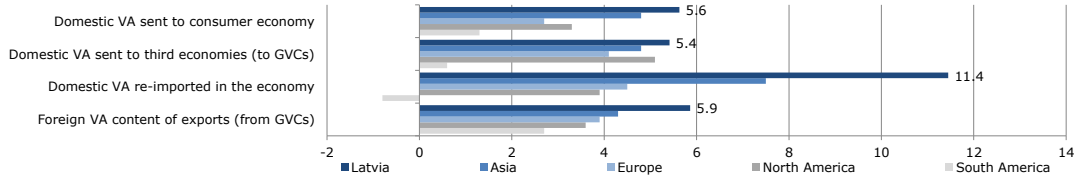
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Wood products	76.4	23.6	100.0
2. Land transport	74.9	25.1	100.0
3. Wholesale and retail trade	86.1	13.9	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Wood products	9.6	3.0
2. Land transport	9.2	3.1
3. Wholesale and retail trade	10.1	1.6

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Lithuania	75.4	24.6	100.0
2. Germany	76.2	23.8	100.0
3. Sweden	76.8	23.2	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Lithuania	9.3	3.1
2. Germany	5.4	1.7
3. Sweden	5.3	1.6

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

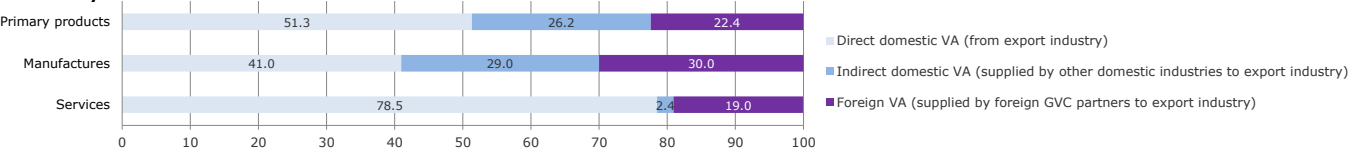
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>5.5</b>	<b>17.1</b>	<b>53.8</b>	<b>3.3</b>	<b>7.0</b>	<b>13.2</b>	<b>100.0</b>
Primary products	51.3	2.8	23.5	4.6	6.4	11.4	100.0
Manufactures	5.7	41.0	23.3	4.0	10.8	15.3	100.0
Services	0.6	1.8	78.5	2.7	4.4	12.0	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

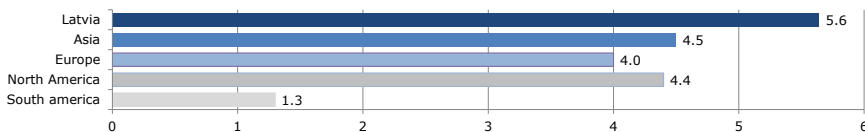
(% share in total gross exports)

## Regional averages

	Latvia	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>45.5</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	22.0	20.0	21.2	22.0	23.5
Backward participation	23.5	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	15.7
2. Land transport	11.8
3. Warehousing for transportator	9.1

## Top exporters of Latvia inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Lithuania	10.5
2. Estonia	8.6
3. Germany	8.5

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Land transport	13.1
2. Wood products	12.6
3. Food and beverages	9.3

## Top foreign inputs providers

(% share in total foreign content of exports)

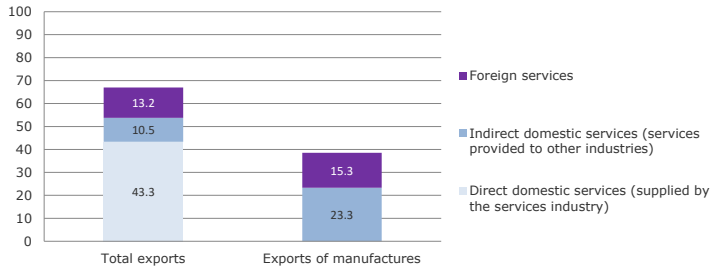
1. Russian Federation	16.8
2. Lithuania	11.0
3. Germany	7.6

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

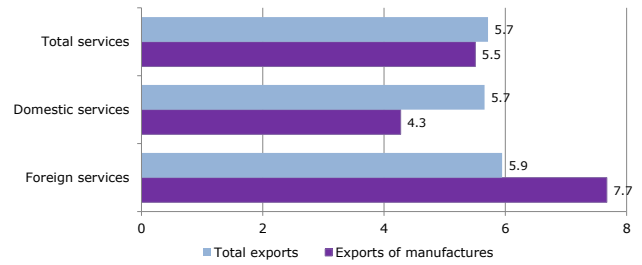
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	15.7
2. Land transport	9.0
3. Warehousing for transportator	5.8

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Russian Federation	1.7
2. Lithuania	1.7
3. Estonia	1.0

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	12.5
2. Land transport	4.3
3. Scientific/technical activities	3.5

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Russian Federation	1.9
2. Lithuania	1.9
3. Poland	1.3

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

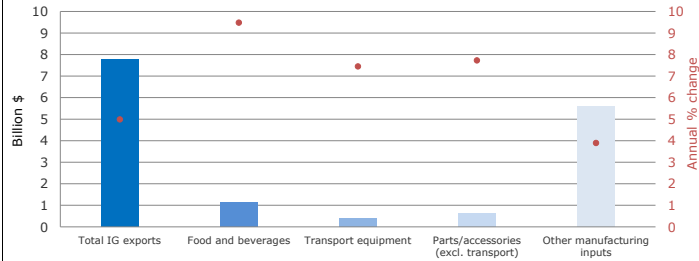
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	8	53.5	5.0
Commercial services	2	44.2	10.4
<b>Imports of intermediate</b>			
Goods	7	40.6	4.9
Commercial services	1	48.8	8.3

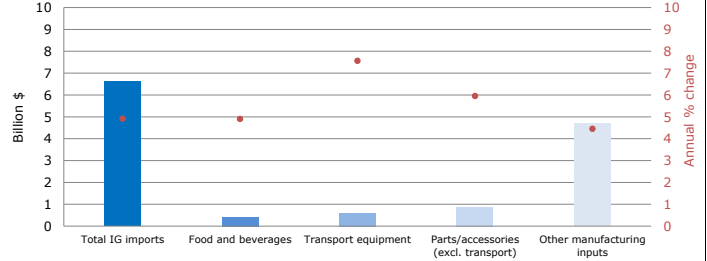
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Lithuania	0.8	10.8
2. Estonia	0.8	10.4
3. United Kingdom	0.7	8.5

### Top origins of imports of intermediate goods

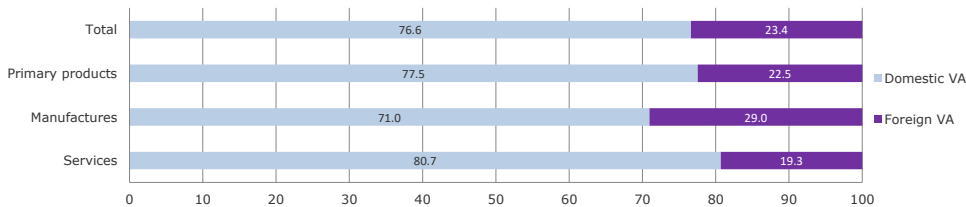
(Billion \$ and %)

	2020	2020 share in total
1. Lithuania	1.1	16.8
2. Germany	0.7	10.6
3. Russian Federation	0.7	9.9

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



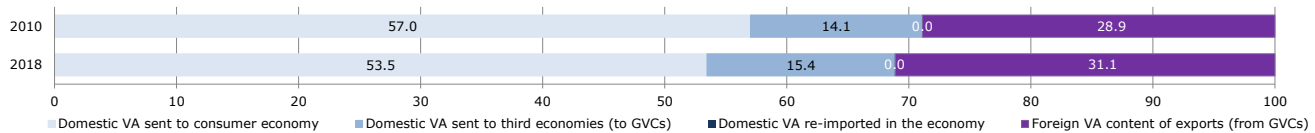
Source: WTO calculations based on the OECD TIVA database.



## VALUE ADDED CONTENT OF GROSS EXPORTS

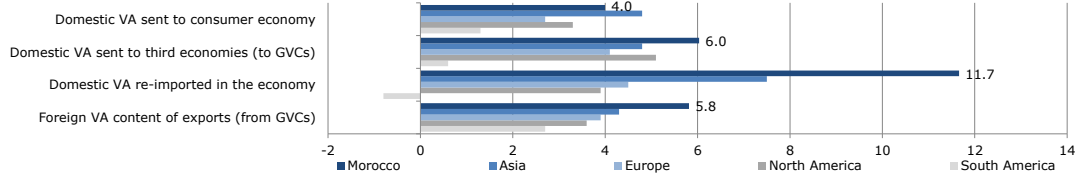
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Chemical products	69.4	30.6	100.0
2. Textiles and clothing	49.6	50.4	100.0
3. Food and beverages	79.1	20.9	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Chemical products	8.1	3.6
2. Textiles and clothing	5.3	5.4
3. Food and beverages	7.0	1.9

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. France	68.9	31.1	100.0
2. Spain	64.2	35.8	100.0
3. United States	72.7	27.3	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. France	14.7	6.6
2. Spain	11.4	6.3
3. United States	4.8	1.8

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

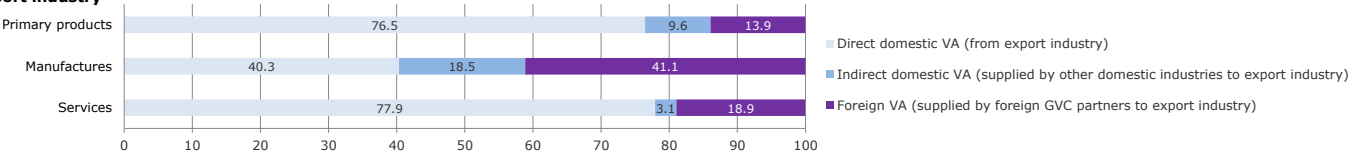
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>13.4</b>	<b>24.0</b>	<b>31.5</b>	<b>4.6</b>	<b>11.0</b>	<b>15.5</b>	<b>100.0</b>
Primary products	76.5	2.7	6.9	3.0	3.7	7.3	100.0
Manufactures	8.1	40.3	10.4	5.6	16.0	19.5	100.0
Services	1.4	1.7	77.9	3.4	4.6	11.0	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

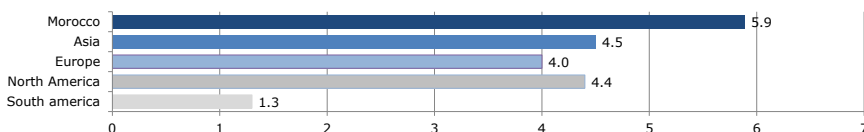
(% share in total gross exports)

## Regional averages

	Morocco	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>46.5</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	15.4	20.0	21.2	22.0	23.5
Backward participation	31.1	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	11.7
2. Chemical products	10.5
3. Agriculture	9.8

## Top exporters of Morocco inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. France	17.0
2. Spain	14.9
3. Germany	5.1

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Textiles and clothing	17.2
2. Motor vehicles	15.0
3. Electrical equipment	12.2

## Top foreign inputs providers

(% share in total foreign content of exports)

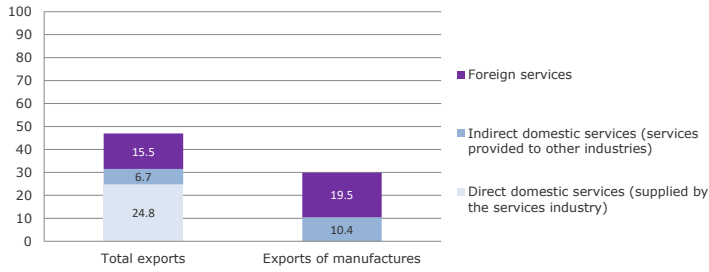
1. Spain	12.7
2. France	11.5
3. China	9.0

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

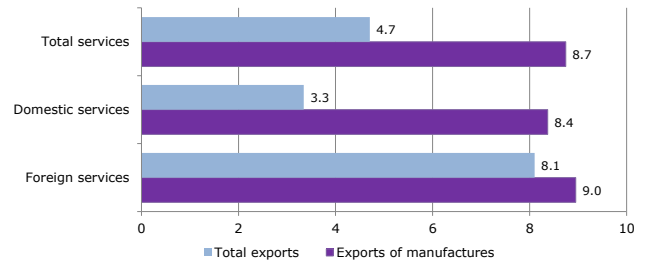
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	12.4
2. Financial services	4.3
3. Scientific/technical activities	4.2

#### Top foreign services providers to total exports

(% share in total gross exports)

1. France	2.4
2. Spain	2.2
3. United States	1.3

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.1
2. Financial services	3.5
3. Scientific/technical activities	2.9

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Spain	3.1
2. France	2.8
3. China	1.7

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

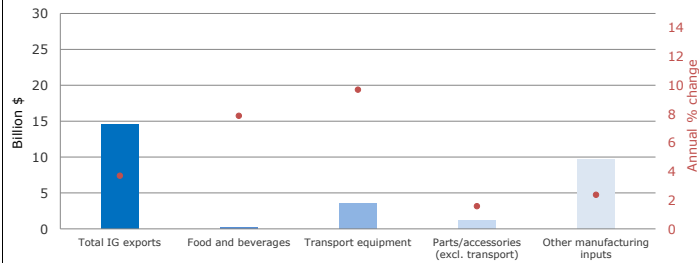
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	15	53.0	3.7
Commercial services	5	36.8	5.1
<b>Imports of intermediate</b>			
Goods	26	65.6	4.3
Commercial services	1	22.3	-0.9

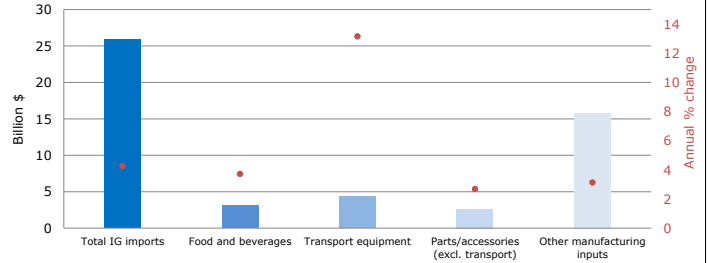
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Spain	3	21.7
2. France	3	20.2
3. India	1	8.1

### Top origins of imports of intermediate goods

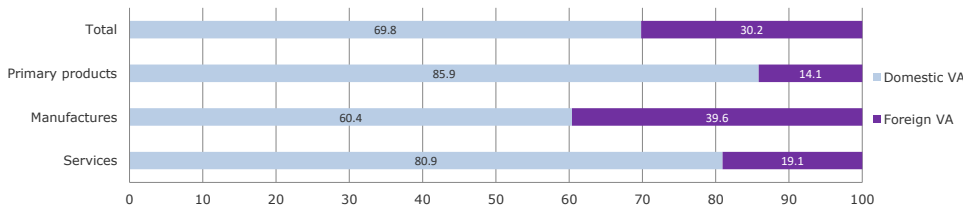
(Billion \$ and %)

	2020	2020 share in total
1. Spain	5	17.8
2. France	4	13.9
3. China	2	8.6

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

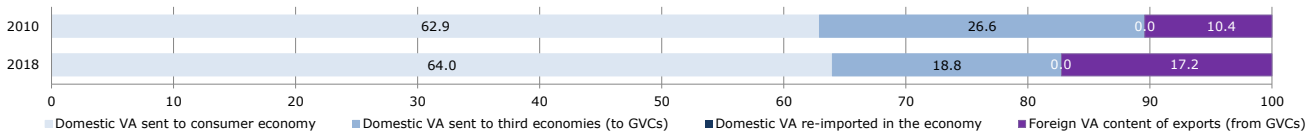


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

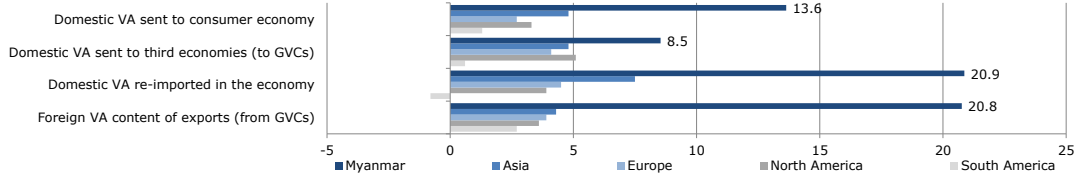
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (energy products)	75.1	24.9	100.0
2. Agriculture	94.6	5.4	100.0
3. Food and beverages	93.7	6.3	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	12.5	4.1
	15.1	0.9
	12.1	0.8

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	82.4	17.6	100.0
2. Thailand	80.5	19.5	100.0
3. Japan	82.8	17.2	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	22.2	4.8
	12.7	3.1
	5.6	1.2

Domestic and foreign sectoral VA contribution to gross exports, 2018

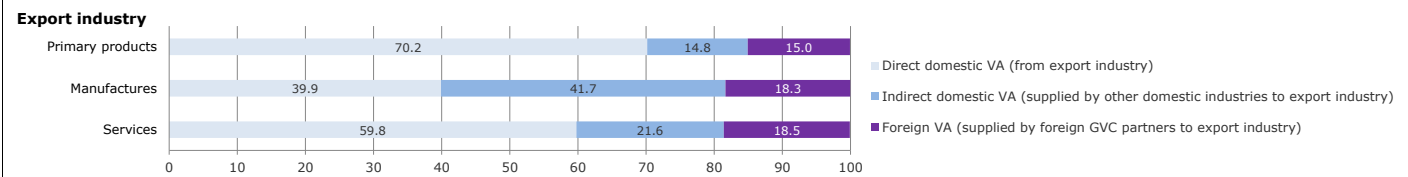
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>41.0</b>	<b>16.1</b>	<b>25.7</b>	<b>4.2</b>	<b>4.9</b>	<b>8.2</b>	<b>100.0</b>
Primary products	70.2	5.0	9.8	4.0	3.9	7.2	100.0
Manufactures	33.5	39.9	8.2	3.8	6.8	7.8	100.0
Services	15.7	6.0	59.8	4.8	4.2	9.6	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

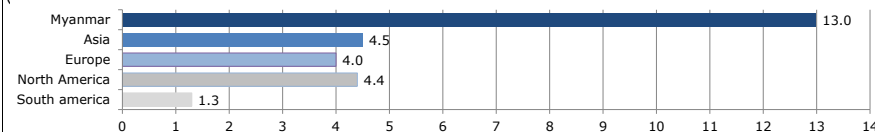
(% share in total gross exports)

Regional averages

	Myanmar	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>36.0</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	18.8	20.0	21.2	22.0	23.5
Backward participation	17.2	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Agriculture	23.6
2. Mining (energy products)	21.9
3. Wholesale and retail trade	7.9

Top exporters of Myanmar inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Thailand	26.9
2. China	19.5
3. Singapore	7.9

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Mining (energy products)	24.0
2. Textiles and clothing	15.9
3. Land transport	5.6

Top foreign inputs providers

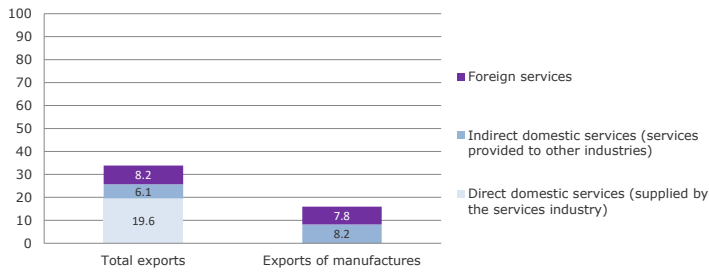
(% share in total foreign content of exports)

1. China	23.1
2. Singapore	12.1
3. Thailand	6.5

Source: WTO calculations based on the OECD TIVA database.

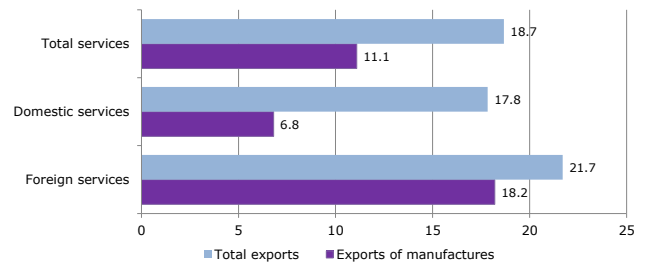
The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



Evolution of the services VA content of exports, 2010-2018

(annual % change)



Services VA contribution to total exports, 2018

Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	9.6
2. Scientific/technical activities	3.7
3. Land transport	3.1

Top foreign services providers to total exports

(% share in total gross exports)

1. China	1.7
2. Singapore	1.6
3. Thailand	0.5

Services VA contribution to exports of manufactures, 2018

Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	7.8
2. Land transport	1.8
3. Financial services	1.2

Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	3.0
2. Singapore	0.8
3. Thailand	0.6

Source: WTO calculations based on the OECD TIVA database.

TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

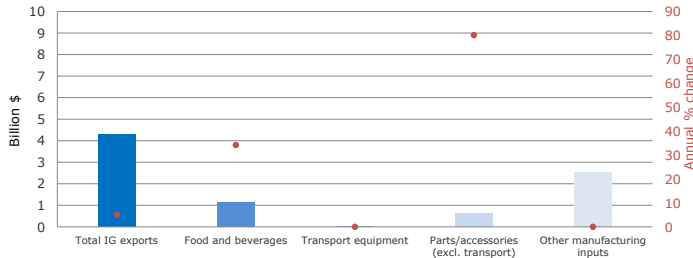
Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	4	32.0	5.1
Commercial services	2	37.7	39.3
<b>Imports of intermediate</b>			
Goods	9	58.1	16.9
Commercial services	1	40.3	19.1

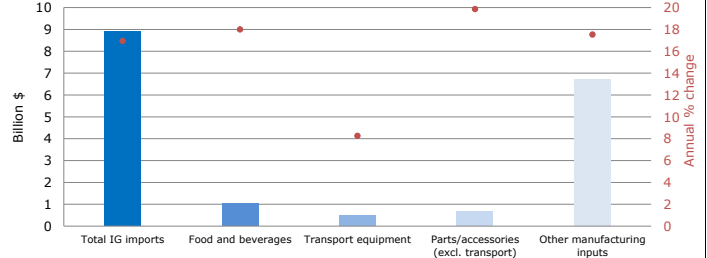
Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	2	51.3
2. Thailand	1	14.4
3. Singapore	1	12.3

Top origins of imports of intermediate goods

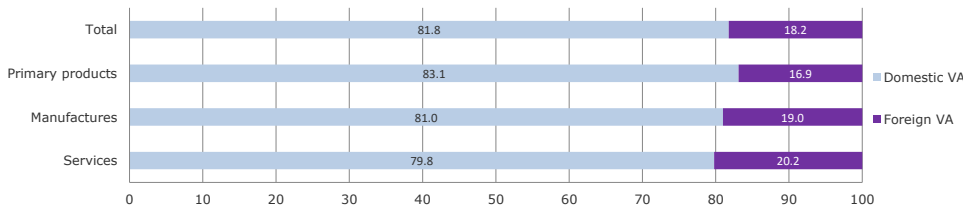
(Billion \$ and %)

	2020	2020 share in total
1. China	4	46.6
2. Indonesia	1	8.8
3. Thailand	1	8.5

Sources: UN Comtrade database and WTO Stats database.

Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

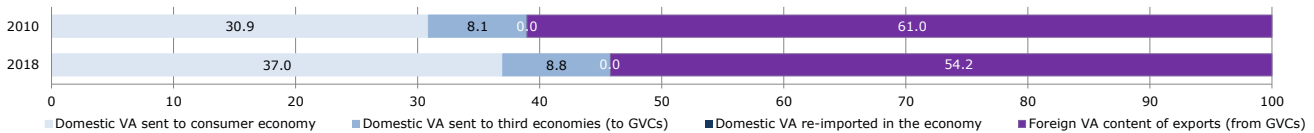


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

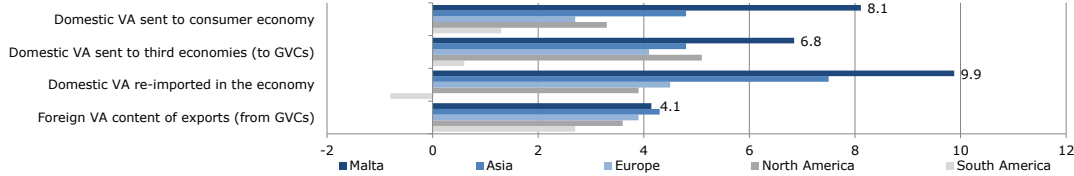
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	Domestic VA			Foreign VA	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Financial services	33.4	66.6	100.0	10.9	21.7
2. Arts and entertainment	45.0	55.0	100.0	13.7	16.8
3. Accommodation/food serv.	65.9	34.1	100.0	3.1	1.6

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	Domestic VA			Foreign VA	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. China	46.6	53.4	100.0	7.6	8.7
2. United Kingdom	41.9	58.1	100.0	5.4	7.5
3. United States	37.4	62.6	100.0	4.0	6.8

Domestic and foreign sectoral VA contribution to gross exports, 2018

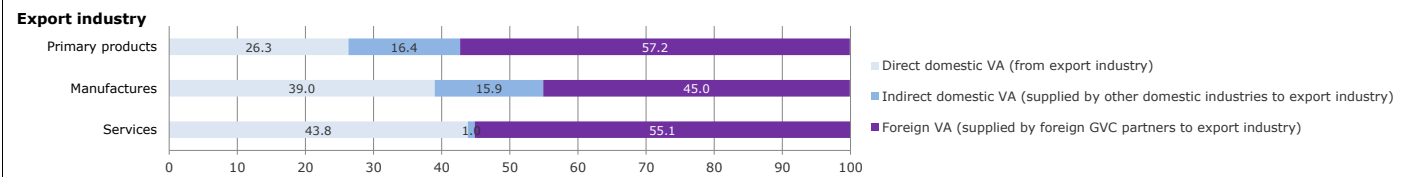
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>0.5</b>	<b>4.5</b>	<b>40.7</b>	<b>2.1</b>	<b>6.3</b>	<b>45.8</b>	<b>100.0</b>
Primary products	26.3	2.3	14.1	9.0	12.3	36.0	100.0
Manufactures	0.6	39.0	15.3	3.5	15.9	25.7	100.0
Services	0.2	0.8	43.8	1.9	5.2	48.1	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

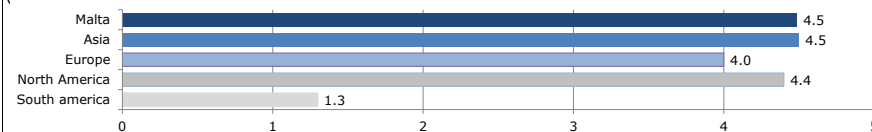
(% share in total gross exports)

Regional averages

	Malta	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>63.0</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	8.8	20.0	21.2	22.0	23.5
Backward participation	54.2	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Admin./support activities	16.5
2. Scientific/technical activities	14.6
3. Financial services	14.1

Top exporters of Malta inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	13.0
2. Ireland	10.2
3. Austria	8.5

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Financial services	40.1
2. Arts and entertainment	31.0
3. Scientific/technical activities	3.8

Top foreign inputs providers

(% share in total foreign content of exports)

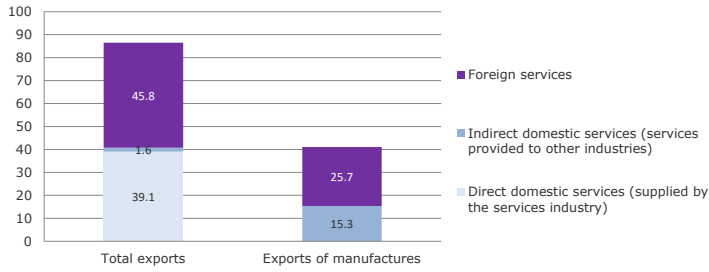
1. United Kingdom	14.5
2. United States	11.1
3. Germany	8.1

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

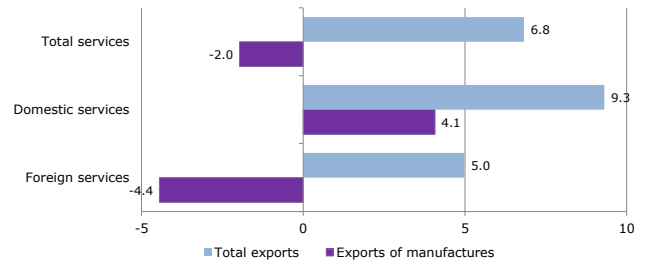
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Financial services	13.9
2. Scientific/technical activities	11.4
3. Arts and entertainment	10.9

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United Kingdom	7.3
2. United States	5.6
3. Germany	3.7

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	12.6
2. Scientific/technical activities	3.9
3. Warehousing for transportation	3.8

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Italy	3.7
2. Germany	2.5
3. United Kingdom	2.5

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

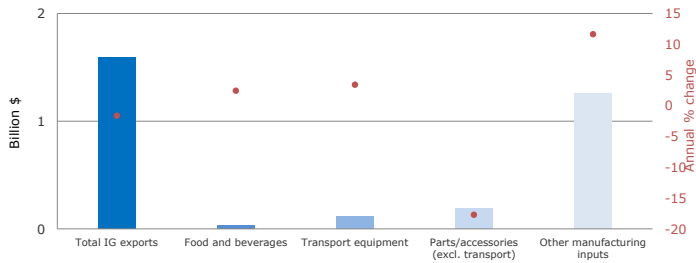
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	2	61.6	-1.6
Commercial services	4	22.6	6.4
<b>Imports of intermediate</b>			
Goods	2	36.6	-2.9
Commercial services	8	57.4	9.4

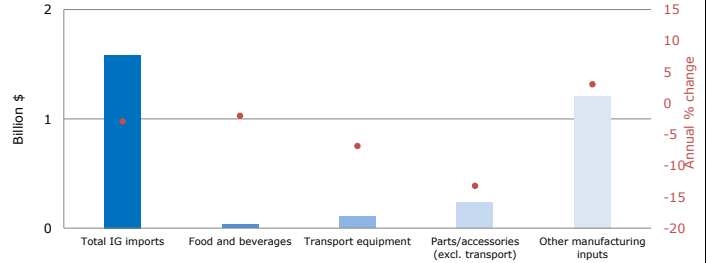
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	0	21.7
2. France	0	11.2
3. Singapore	0	9.0

### Top origins of imports of intermediate goods

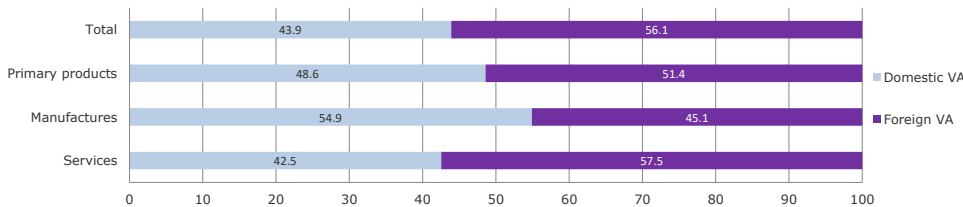
(Billion \$ and %)

	2020	2020 share in total
1. Italy	0	20.6
2. France	0	12.0
3. Germany	0	11.2

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

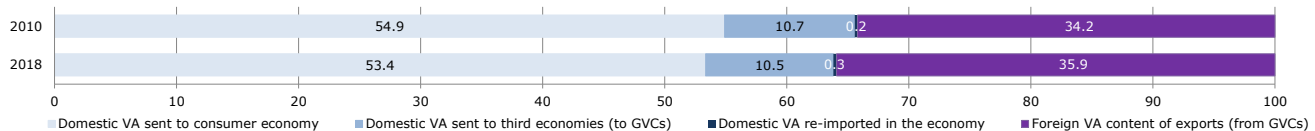


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

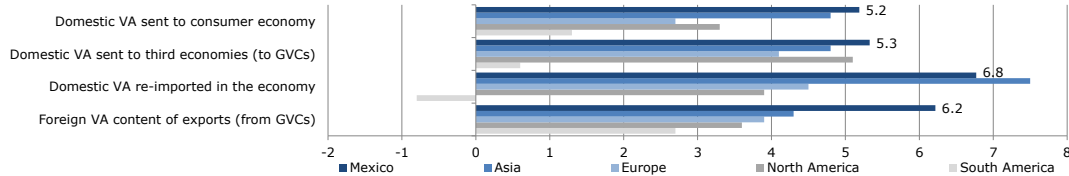
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010-2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Motor vehicles	55.4	44.6	100.0
2. Computer/electronic prod.	36.5	63.5	100.0
3. Wholesale and retail trade	95.1	4.9	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Motor vehicles	16.4	13.2
2. Computer/electronic prod.	5.4	9.5
3. Wholesale and retail trade	10.5	0.5

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. United States	63.2	36.8	100.0
2. Canada	62.3	37.7	100.0
3. China	65.4	34.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. United States	44.9	26.1
2. Canada	3.8	2.3
3. China	1.8	0.9

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

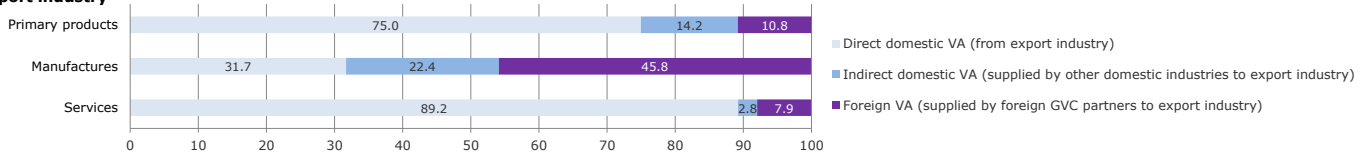
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>8.5</b>	<b>23.7</b>	<b>31.9</b>	<b>3.1</b>	<b>17.1</b>	<b>15.8</b>	<b>100.0</b>
Primary products	75.0	2.1	12.1	2.4	3.5	4.9	100.0
Manufactures	3.1	31.7	19.3	3.6	22.2	20.1	100.0
Services	1.0	1.8	89.2	1.2	3.0	3.7	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

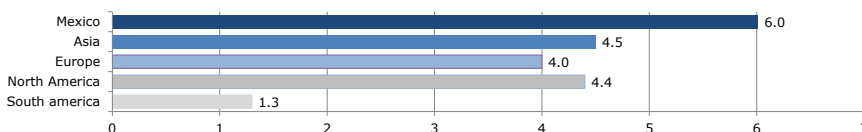
(% share in total gross exports)

## Regional averages

	Mexico	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>46.4</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	10.5	20.0	21.2	22.0	23.5
Backward participation	35.9	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	24.7
2. Mining (energy products)	15.4
3. Motor vehicles	9.4

## Top exporters of Mexico inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. United States	38.0
2. Canada	11.3
3. China	5.3

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	36.7
2. Computer/electronic products	26.3
3. Electrical equipment	5.3

## Top foreign inputs providers

(% share in total foreign content of exports)

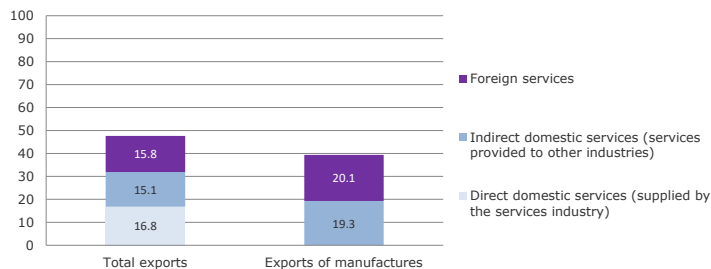
1. United States	38.7
2. China	18.2
3. Japan	5.0

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

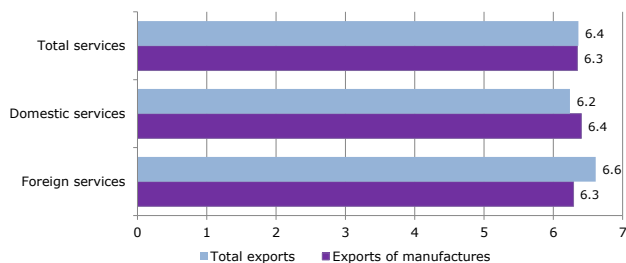
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	22.8
2. Land transport	5.1
3. Admin./support activities	3.9

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	7.0
2. China	2.5
3. Germany	0.7

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	17.0
2. Admin./support activities	4.1
3. Land transport	3.7

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	8.6
2. China	3.3
3. Germany	0.9

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

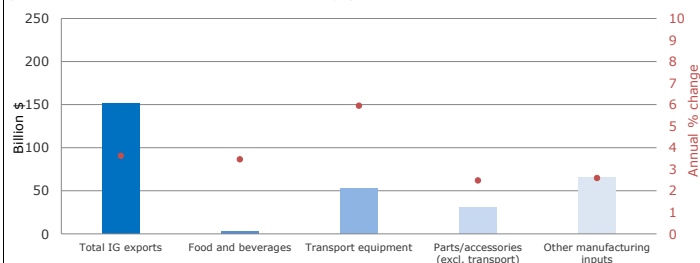
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	151	37.8	3.6
Commercial services	0.1	0.5	-10.8
<b>Imports of intermediate</b>			
Goods	227	63.2	2.2
Commercial services	3	13.9	-0.6

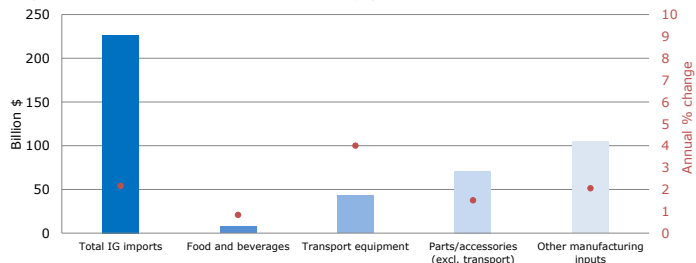
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. United States	122	80.8
2. China	6	3.9
3. Canada	4	2.7

### Top origins of imports of intermediate goods

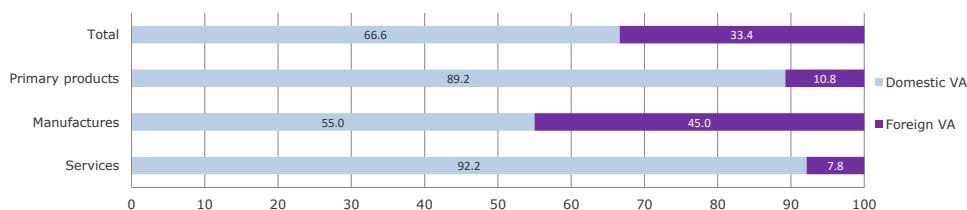
(Billion \$ and %)

	2020	2020 share in total
1. United States	106	46.7
2. China	37	16.4
3. Korea, Republic of	10	4.2

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



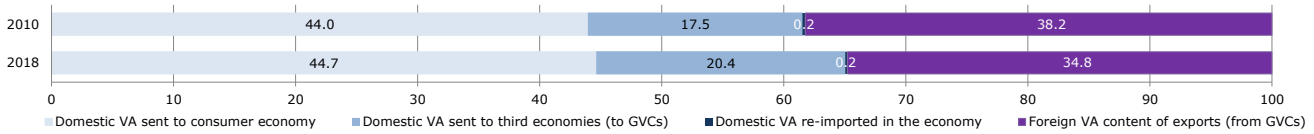
Source: WTO calculations based on the OECD TIVA database.



VALUE ADDED CONTENT OF GROSS EXPORTS

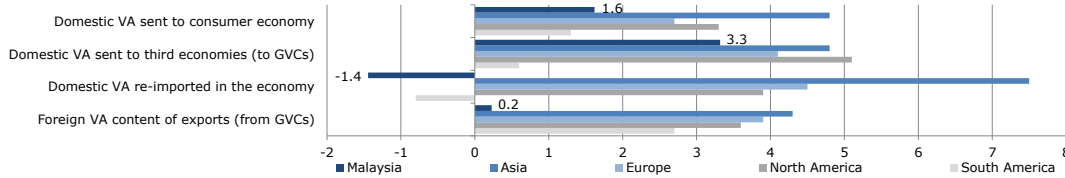
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Computer/electronic prod.	47.6	52.4	100.0
2. Wholesale and retail trade	80.8	19.2	100.0
3. Food and beverages	67.9	32.1	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Computer/electronic prod.	13.5	14.8
2. Wholesale and retail trade	8.2	1.9
3. Food and beverages	5.1	2.4

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	66.2	33.8	100.0
2. United States	57.5	42.5	100.0
3. Singapore	69.9	30.1	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. China	14.7	7.5
2. United States	6.9	5.1
3. Singapore	4.9	2.1

Domestic and foreign sectoral VA contribution to gross exports, 2018

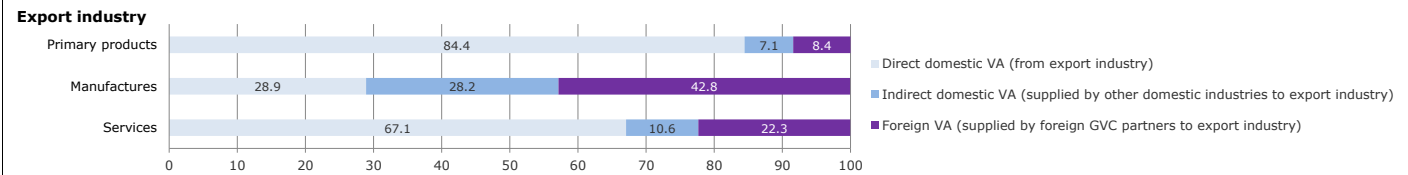
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>16.0</b>	<b>20.6</b>	<b>28.6</b>	<b>5.6</b>	<b>13.4</b>	<b>15.8</b>	<b>100.0</b>
Primary products	84.4	1.7	5.4	2.1	2.4	3.9	100.0
Manufactures	11.5	28.9	16.8	6.8	17.5	18.6	100.0
Services	5.5	5.1	67.1	3.6	6.4	12.4	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

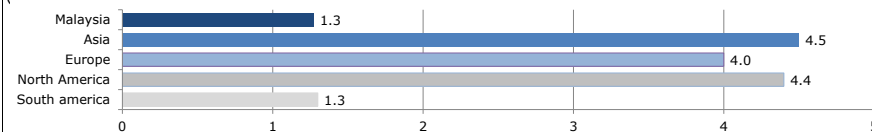
(% share in total gross exports)

Regional averages

	Malaysia	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>55.1</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	20.4	20.0	21.2	22.0	23.5
Backward participation	34.8	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (energy products)	21.5
2. Wholesale and retail trade	19.5
3. Computer/electronic products	12.0

Top exporters of Malaysia inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	19.2
2. Singapore	12.1
3. Viet Nam	7.2

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Computer/electronic products	42.6
2. Food and beverages	7.0
3. Chemical products	5.9

Top foreign inputs providers

(% share in total foreign content of exports)

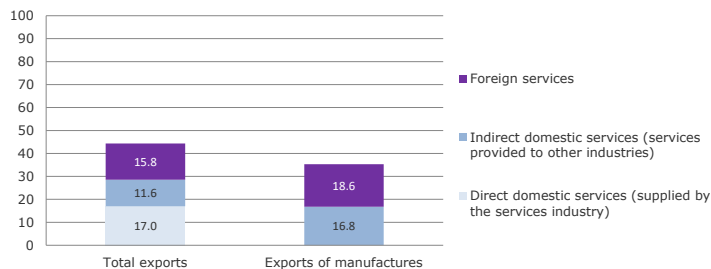
1. China	17.5
2. United States	11.3
3. Japan	8.6

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

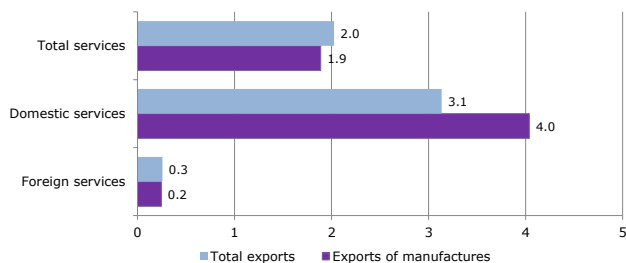
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	17.5
2. Financial services	5.6
3. Scientific/technical activities	3.7

#### Top foreign services providers to total exports

(% share in total gross exports)

1. China	2.4
2. United States	2.3
3. Japan	1.4

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	14.8
2. Financial services	4.3
3. Scientific/technical activities	3.2

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	3.0
2. United States	2.6
3. Japan	1.7

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

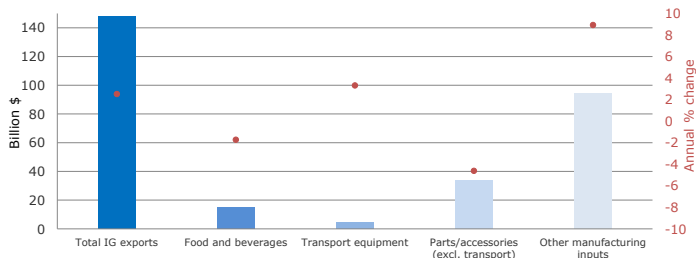
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	148	70.7	2.5
Commercial services	10	44.0	3.2
<b>Imports of intermediate</b>			
Goods	121	72.1	1.0
Commercial services	11	33.6	3.0

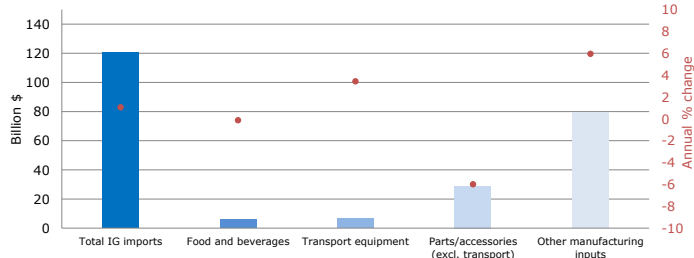
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	30	20.3
2. Singapore	22	14.6
3. Hong Kong, China	13	9.1

### Top origins of imports of intermediate goods

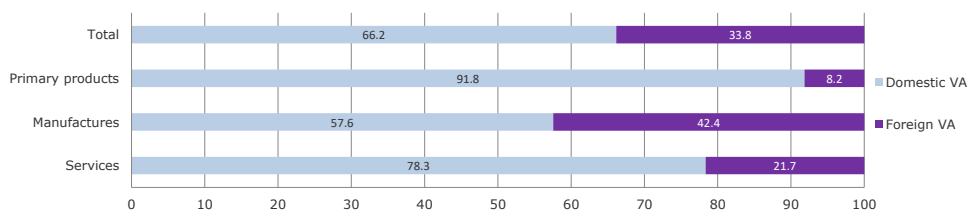
(Billion \$ and %)

	2020	2020 share in total
1. China	24	19.6
2. United States	13	11.1
3. Chinese Taipei	13	10.4

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

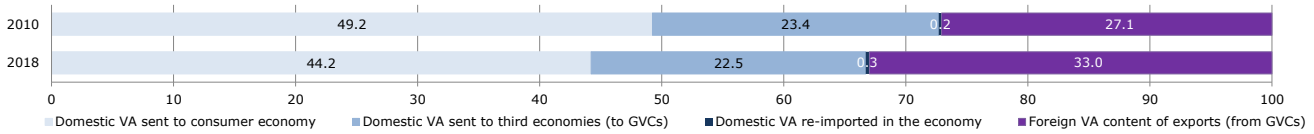


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

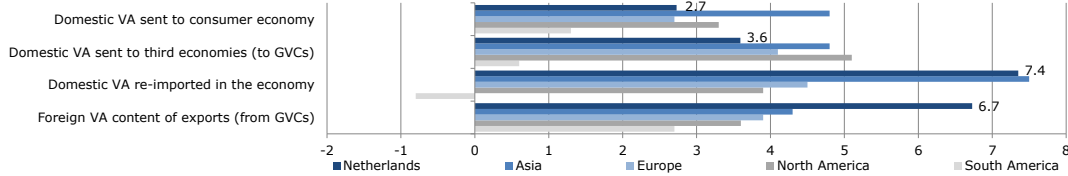
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Wholesale and retail trade	79.8	20.2	100.0	11.0	2.8
2. Food and beverages	62.7	37.3	100.0	5.4	3.2
3. Chemical products	56.5	43.5	100.0	4.5	3.5

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Germany	63.5	36.5	100.0	10.2	5.8
2. Belgium	69.7	30.3	100.0	6.6	2.9
3. United Kingdom	63.8	36.2	100.0	5.3	3.0

Domestic and foreign sectoral VA contribution to gross exports, 2018

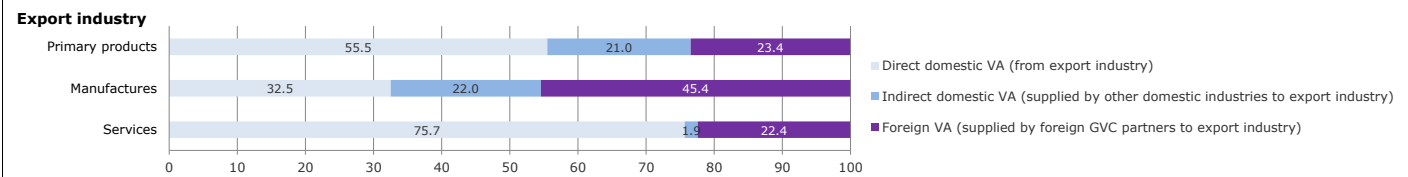
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>3.8</b>	<b>15.8</b>	<b>47.4</b>	<b>5.4</b>	<b>7.7</b>	<b>19.9</b>	<b>100.0</b>
Primary products	55.5	3.3	17.8	7.3	4.3	11.9	100.0
Manufactures	1.5	32.5	20.5	9.2	12.8	23.4	100.0
Services	0.2	1.7	75.7	1.7	3.4	17.4	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

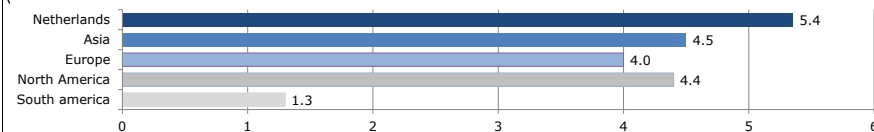
(% share in total gross exports)

Regional averages

	Netherlands	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>55.5</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	22.5	20.0	21.2	22.0	23.5
Backward participation	33.0	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	17.0
2. Scientific/technical activities	12.1
3. Admin./support activities	11.7

Top exporters of Netherlands inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	14.6
2. Ireland	11.9
3. Belgium	11.0

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Computer/electronic products	11.6
2. Chemical products	10.6
3. Petroleum products	10.0

Top foreign inputs providers

(% share in total foreign content of exports)

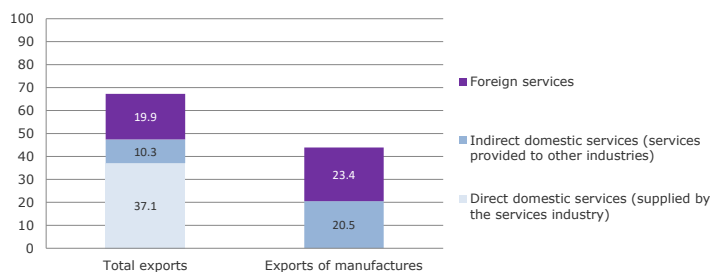
1. United States	12.2
2. Germany	11.5
3. United Kingdom	8.3

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

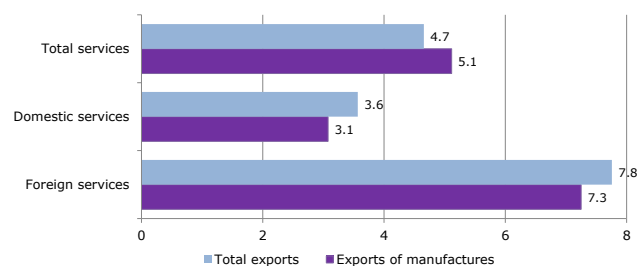
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	17.2
2. Scientific/technical activities	10.6
3. Admin./support activities	10.2

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	3.0
2. Germany	2.2
3. United Kingdom	1.9

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	13.7
2. Admin./support activities	6.3
3. Scientific/technical activities	6.3

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	3.3
2. Germany	2.9
3. United Kingdom	2.0

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

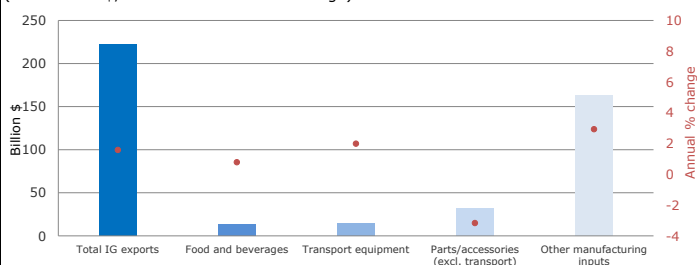
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	222	43.3	1.6
Commercial services	54	29.3	-0.2
<b>Imports of intermediate</b>			
Goods	211	47.8	2.6
Commercial services	67	39.4	4.1

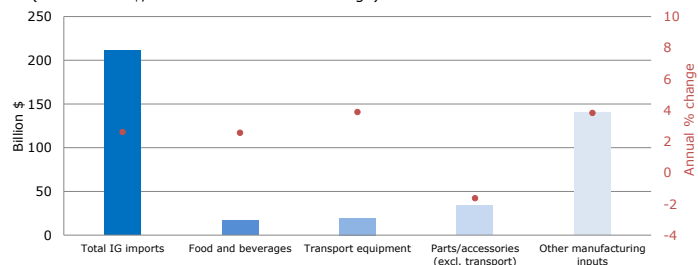
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	49	22.2
2. Belgium	25	11.2
3. France	15	6.9

### Top origins of imports of intermediate goods

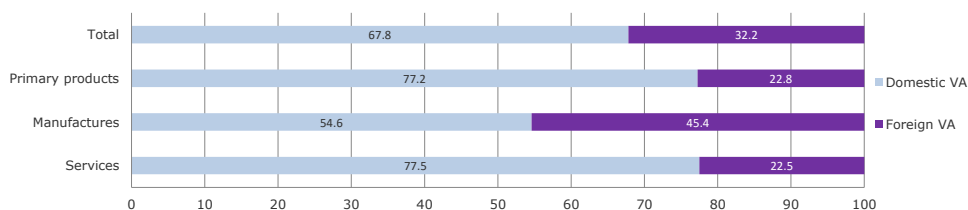
(Billion \$ and %)

	2020	2020 share in total
1. Germany	44	20.8
2. Belgium	22	10.6
3. United States	18	8.4

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

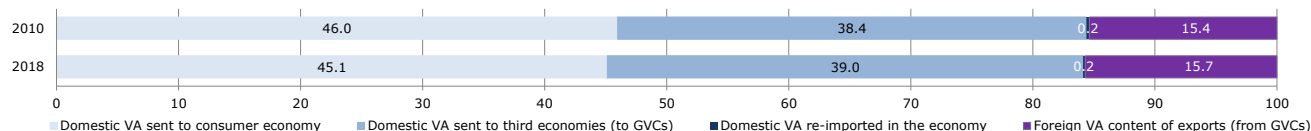


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

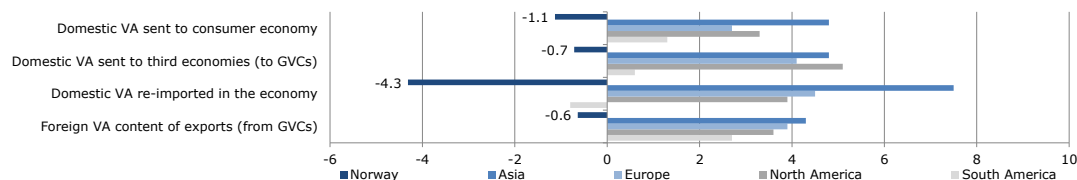
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (energy products)	95.8	4.2	100.0
2. Wholesale and retail trade	82.1	17.9	100.0
3. Financial services	88.4	11.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Mining (energy products)	41.2	1.8
2. Wholesale and retail trade	3.9	0.9
3. Financial services	3.9	0.5

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. United Kingdom	92.1	7.9	100.0
2. Germany	89.2	10.8	100.0
3. Sweden	79.7	20.3	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. United Kingdom	16.9	1.5
2. Germany	13.1	1.6
3. Sweden	7.2	1.8

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

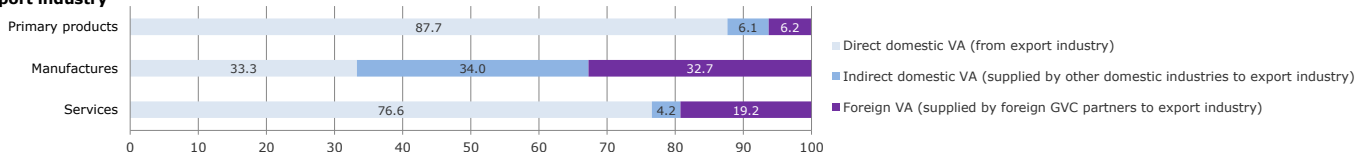
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>46.3</b>	<b>8.3</b>	<b>29.7</b>	<b>2.2</b>	<b>4.5</b>	<b>9.0</b>	<b>100.0</b>
Primary products	87.7	1.2	4.9	1.4	1.6	3.3	100.0
Manufactures	13.6	33.3	20.3	5.4	10.9	16.4	100.0
Services	1.7	2.5	76.6	1.4	4.7	13.0	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

(% share in total gross exports)

## Regional averages

	Norway	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>54.7</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	39.0	20.0	21.2	22.0	23.5
Backward participation	15.7	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (energy products)	62.1
2. Wholesale and retail trade	4.8
3. Financial services	4.1

## Top exporters of Norway inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. United Kingdom	17.7
2. Germany	15.0
3. Belgium	8.6

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Basic metals	11.5
2. Mining (energy products)	11.5
3. Food and beverages	6.1

## Top foreign inputs providers

(% share in total foreign content of exports)

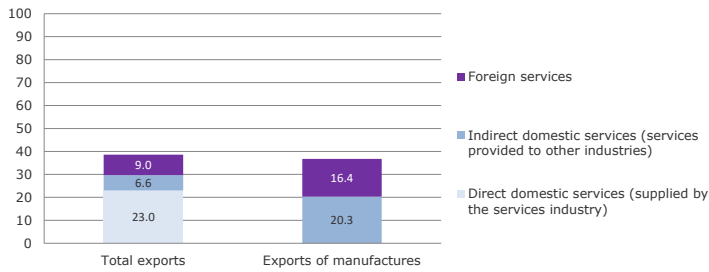
1. United States	11.5
2. Sweden	8.4
3. Germany	7.4

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

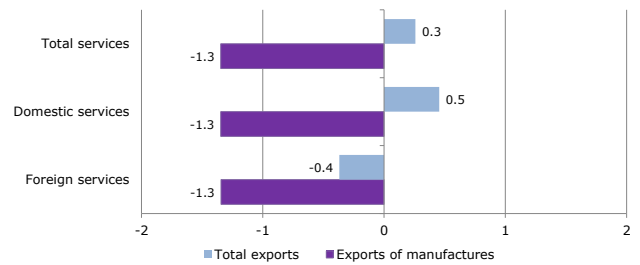
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

**Top services industries contributing to total exports**  
(% share in total gross exports)

1. Wholesale and retail trade	7.3
2. Financial services	5.6
3. Scientific/technical activities	4.4

**Top foreign services providers to total exports**  
(% share in total gross exports)

1. United States	1.1
2. Sweden	0.8
3. United Kingdom	0.7

### Services VA contribution to exports of manufactures, 2018

**Top services industries contributing to exports of manufactures**  
(% share in gross exports of manufactures)

1. Wholesale and retail trade	9.8
2. Electricity/gas supply	4.2
3. Financial services	3.5

**Top foreign services providers to exports of manufactures**  
(% share in gross exports of manufactures)

1. United States	2.0
2. Sweden	1.5
3. Germany	1.3

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

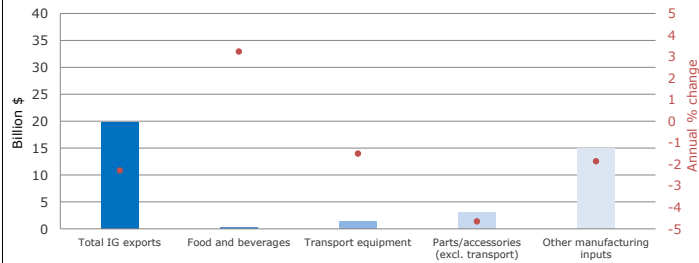
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	20	46.9	-2.3
Commercial services	12	33.7	-2.3
<b>Imports of intermediate</b>			
Goods	35	44.6	0.6
Commercial services	18	47.7	1.0

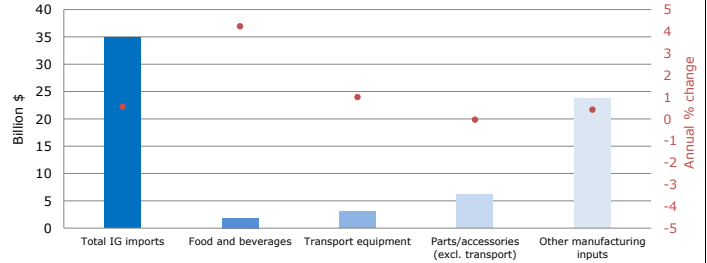
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Netherlands	3	13.8
2. Sweden	2	10.9
3. Germany	2	9.8

### Top origins of imports of intermediate goods

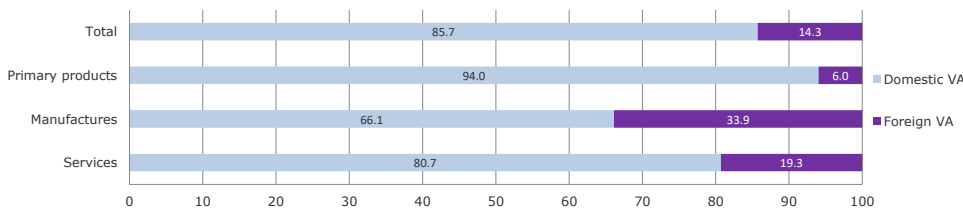
(Billion \$ and %)

	2020	2020 share in total
1. Sweden	5	13.2
2. Germany	4	10.3
3. China	2	6.7

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

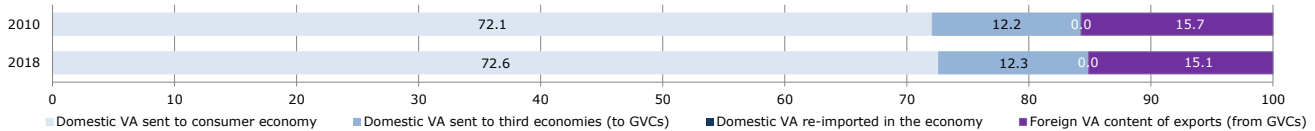


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

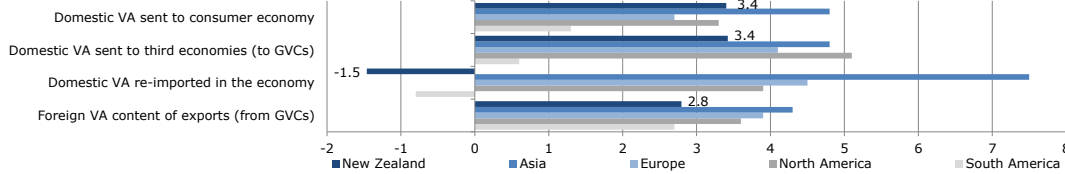
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Food and beverages	84.7	15.3	100.0	27.0	4.9
2. Wholesale and retail trade	89.3	10.7	100.0	10.1	1.2
3. Agriculture	86.8	13.2	100.0	5.8	0.9

Top export destinations - Domestic and foreign VA content of exports, 2018

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. China	85.4	14.6	100.0	19.6	3.4
2. Australia	83.4	16.6	100.0	15.3	3.0
3. United States	85.8	14.2	100.0	8.9	1.5

Domestic and foreign sectoral VA contribution to gross exports, 2018

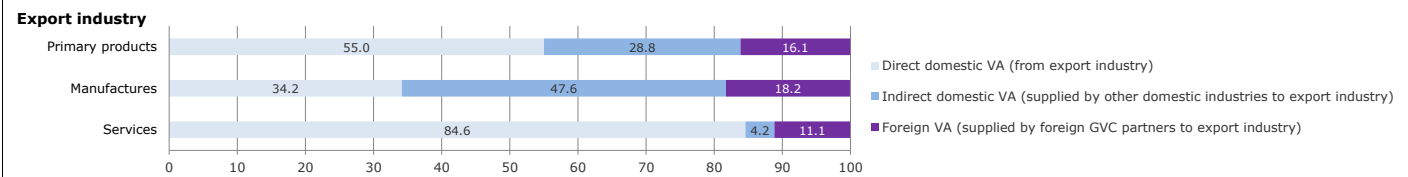
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>15.4</b>	<b>17.4</b>	<b>52.2</b>	<b>4.5</b>	<b>3.6</b>	<b>7.0</b>	<b>100.0</b>
Primary products	55.0	3.5	25.3	6.5	3.1	6.6	100.0
Manufactures	16.6	34.2	31.0	5.3	4.8	8.2	100.0
Services	1.5	2.8	84.6	2.9	2.4	5.8	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

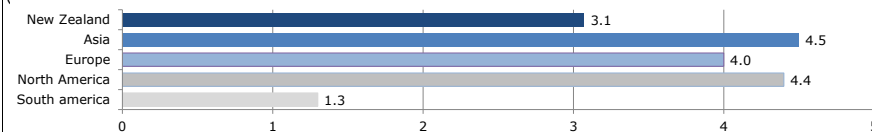
(% share in total gross exports)

Regional averages

	New Zealand	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>27.4</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	12.3	20.0	21.2	22.0	23.5
Backward participation	15.1	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs  
(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	13.2
2. Scientific/technical activities	11.6
3. Agriculture	11.0

Top exporters of New Zealand inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	16.4
2. Australia	11.7
3. Singapore	8.2

Backward GVC participation, 2018

Top GVC-importing industries  
(% share in total foreign content of exports)

1. Food and beverages	32.3
2. Wholesale and retail trade	8.0
3. Agriculture	5.9

Top foreign inputs providers

(% share in total foreign content of exports)

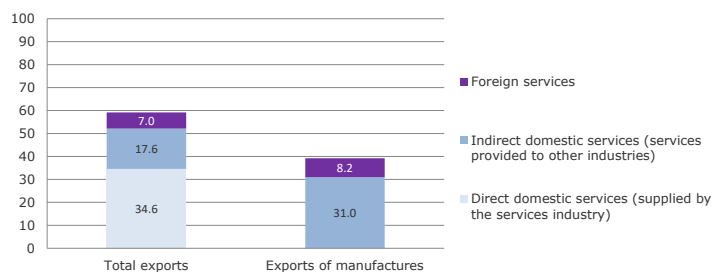
1. United States	11.5
2. Australia	11.1
3. China	10.7

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

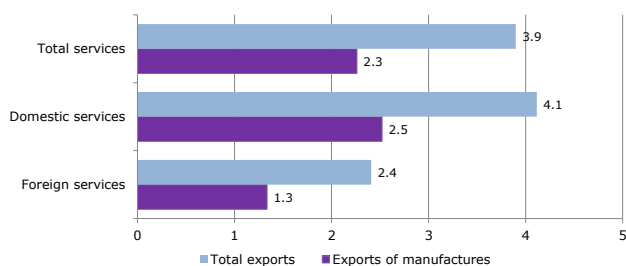
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	13.1
2. Scientific/technical activities	9.1
3. Financial services	5.3

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.2
2. Australia	1.1
3. China	0.6

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	9.0
2. Scientific/technical activities	6.9
3. Admin./support activities	3.9

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	1.4
2. Australia	1.3
3. China	0.8

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

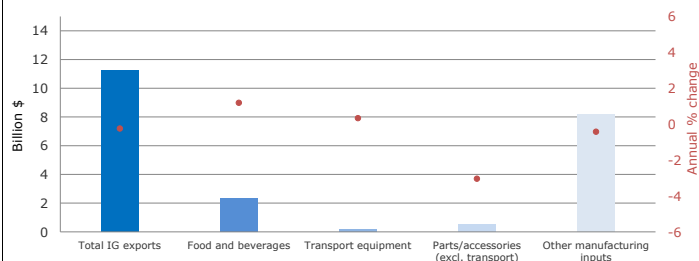
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	11	29.2	-0.2
Commercial services	2	20.1	2.8
<b>Imports of intermediate</b>			
Goods	13	39.2	2.4
Commercial services	4	38.1	4.7

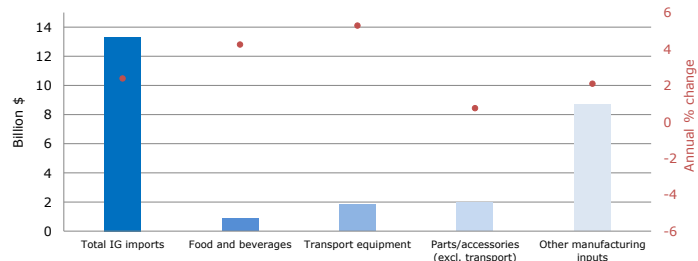
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	3	29.7
2. Australia	2	13.4
3. United States	1	10.1

### Top origins of imports of intermediate goods

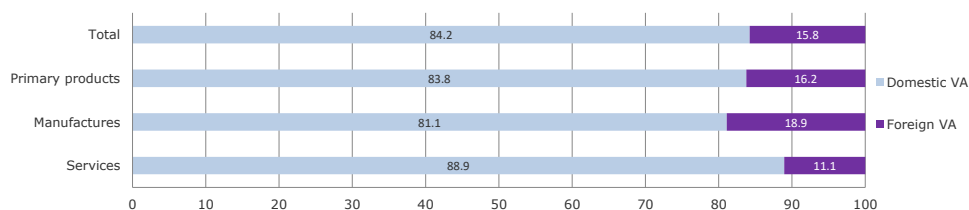
(Billion \$ and %)

	2020	2020 share in total
1. China	3	21.0
2. Australia	2	16.1
3. United States	2	13.4

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



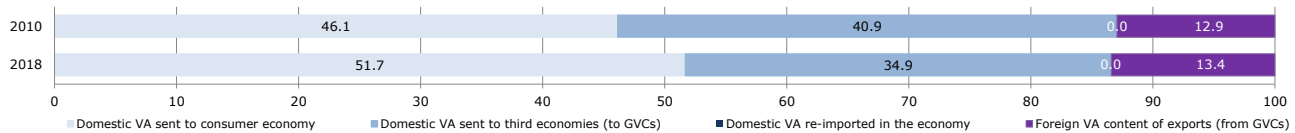
Source: WTO calculations based on the OECD TIVA database.



## VALUE ADDED CONTENT OF GROSS EXPORTS

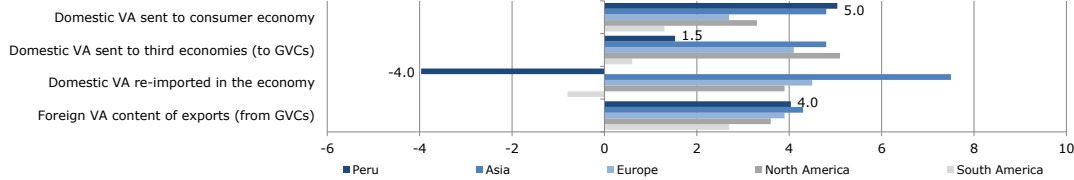
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (non-energy prod.)	91.8	8.2	100.0
2. Basic metals	85.2	14.8	100.0
3. Wholesale and retail trade	94.4	5.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	26.0	2.3
	15.6	2.7
	5.7	0.3

- Mining (non-energy prod.)
- Basic metals
- Wholesale and retail trade

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	88.7	11.3	100.0
2. Japan	90.8	9.2	100.0
3. United States	84.8	15.2	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	15.8	2.0
	16.0	1.6
	13.0	2.3

- China
- Japan
- United States

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

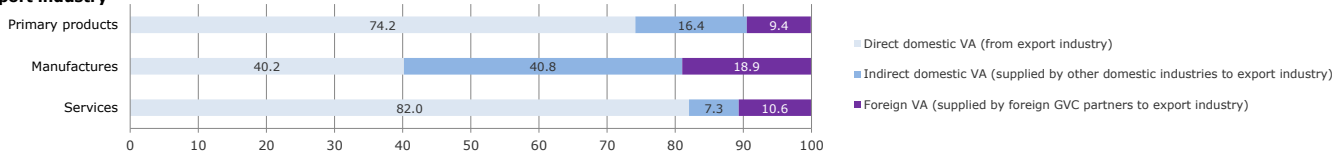
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>33.3</b>	<b>17.6</b>	<b>35.7</b>	<b>4.0</b>	<b>3.5</b>	<b>5.9</b>	<b>100.0</b>
Primary products	74.2	2.9	13.5	3.2	2.2	4.1	100.0
Manufactures	15.2	40.2	25.6	5.7	5.4	7.9	100.0
Services	2.6	4.7	82.0	2.7	2.6	5.4	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

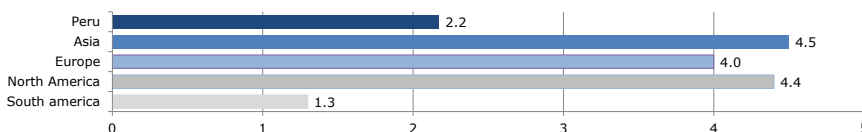
(% share in total gross exports)

## Regional averages

	Peru	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>48.3</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	34.9	20.0	21.2	22.0	23.5
Backward participation	13.4	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (non-energy products)	39.0
2. Mining (energy products)	9.3
3. Wholesale and retail trade	7.4

## Top exporters of Peru inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Japan	20.6
2. China	12.8
3. Korea, Republic of	9.1

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Basic metals	20.2
2. Mining (non-energy products)	17.3
3. Petroleum products	9.6

## Top foreign inputs providers

(% share in total foreign content of exports)

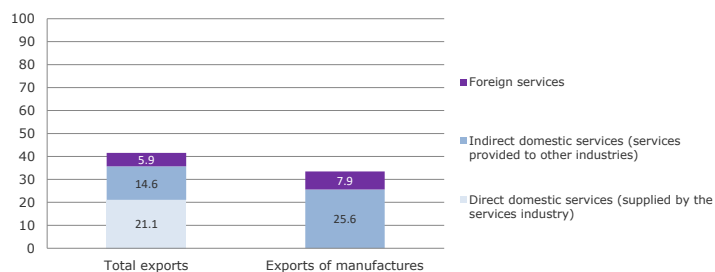
1. United States	23.3
2. China	13.4
3. Colombia	5.6

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

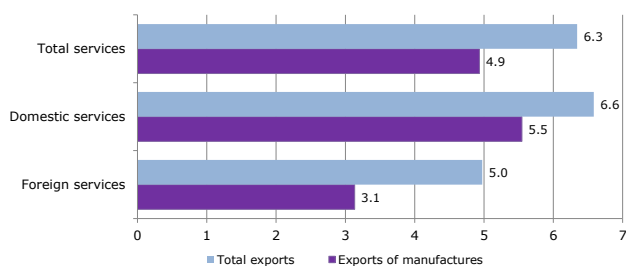
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	9.8
2. Land transport	4.4
3. Financial services	4.1

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	1.9
2. China	0.7
3. Spain	0.3

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	7.4
2. Financial services	5.2
3. Admin./support activities	4.2

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	2.2
2. China	1.2
3. Colombia	0.4

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

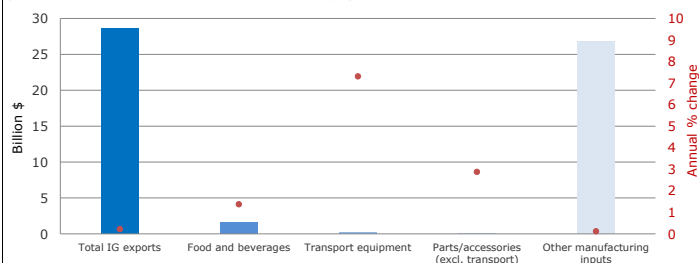
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	29	76.9	0.2
Commercial services (2019)	1	12.7	8.4
<b>Imports of intermediate</b>			
Goods	17	51.5	2.0
Commercial services (2019)	3	26.2	8.1

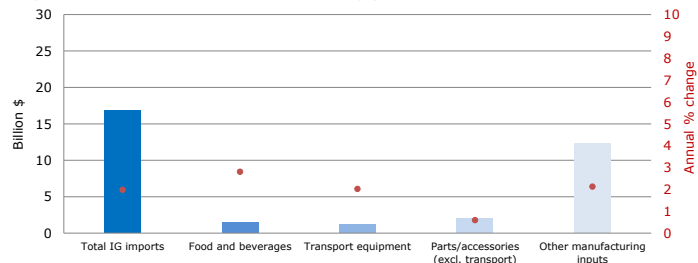
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	11	36.8
2. United States	3	9.8
3. Canada	2	7.6

### Top origins of imports of intermediate goods

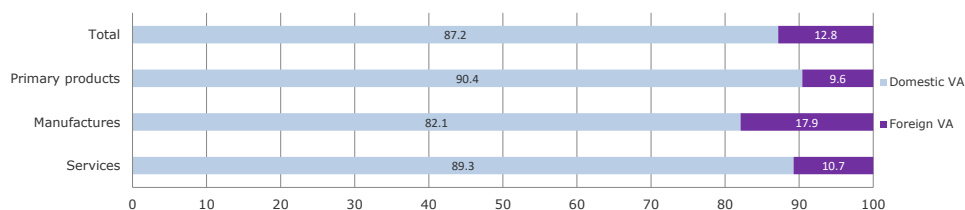
(Billion \$ and %)

	2020	2020 share in total
1. China	4	24.5
2. United States	3	16.2
3. Argentina	1	6.8

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

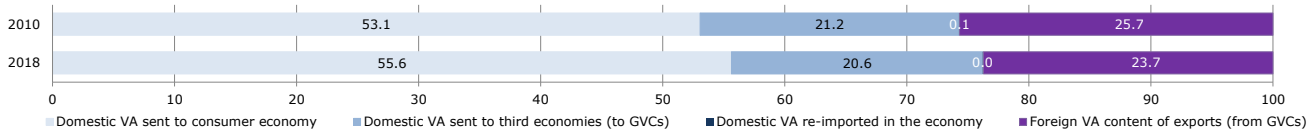


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

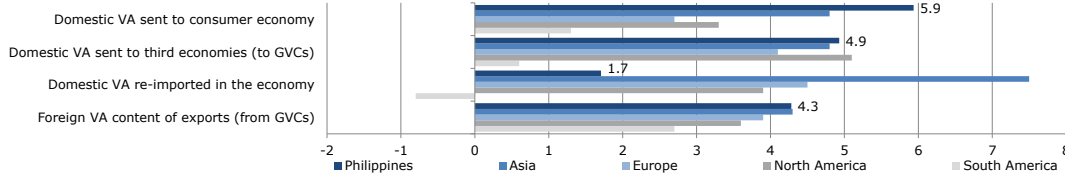
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Computer/electronic prod.	65.5	34.5	100.0
2. Admin./support activities	82.1	17.9	100.0
3. Wholesale and retail trade	82.3	17.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	13.5	7.1
	10.8	2.4
	6.6	1.4

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	74.3	25.7	100.0
2. United States	77.5	22.5	100.0
3. Japan	77.0	23.0	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	13.2	4.6
	13.3	3.9
	11.4	3.4

Domestic and foreign sectoral VA contribution to gross exports, 2018

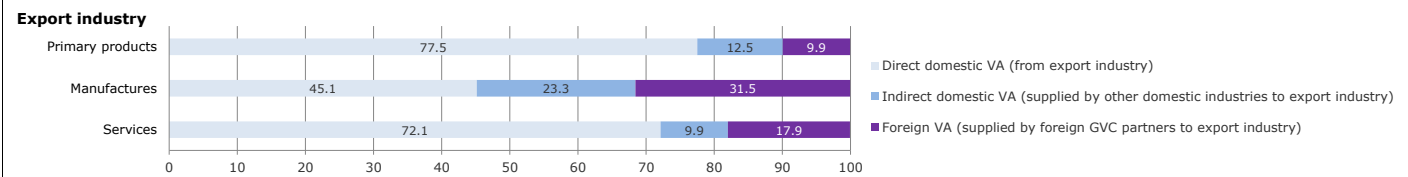
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>9.5</b>	<b>24.0</b>	<b>42.7</b>	<b>4.7</b>	<b>9.4</b>	<b>9.6</b>	<b>100.0</b>
Primary products	77.5	3.2	9.3	2.6	3.0	4.3	100.0
Manufactures	7.2	45.1	16.1	6.3	13.2	12.1	100.0
Services	3.4	6.5	72.1	3.5	6.6	7.8	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

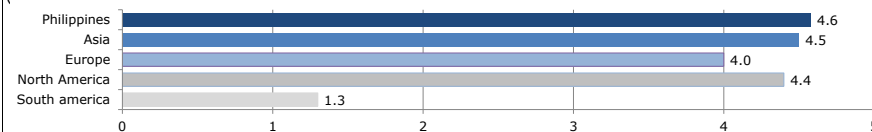
(% share in total gross exports)

Regional averages

	Philippines	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>44.3</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	20.6	20.0	21.2	22.0	23.5
Backward participation	23.7	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	16.3
2. Computer/electronic prod.	15.7
3. Admin./support activities	12.1

Top exporters of Philippines inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	16.1
2. Singapore	10.1
3. Japan	9.6

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Computer/electronic products	29.9
2. Admin./support activities	9.9
3. Electrical equipment	6.1

Top foreign inputs providers

(% share in total foreign content of exports)

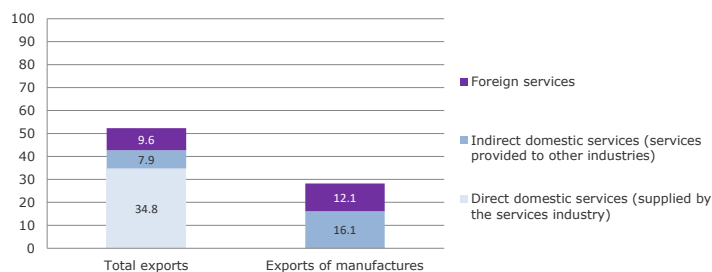
1. China	17.5
2. United States	10.2
3. Korea, Republic of	9.0

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

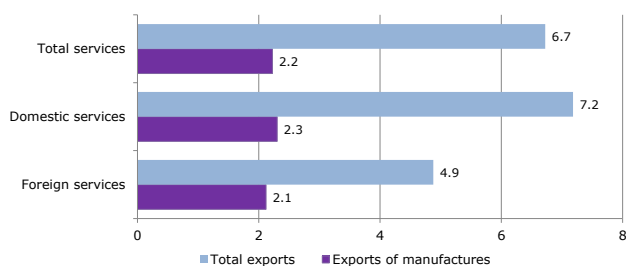
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	14.9
2. Admin./support activities	8.7
3. IT services	4.7

#### Top foreign services providers to total exports

(% share in total gross exports)

1. China	1.5
2. United States	1.4
3. Japan	0.9

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	13.0
2. Financial services	3.0
3. Electricity/gas supply	2.3

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	2.1
2. United States	1.6
3. Japan	1.2

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

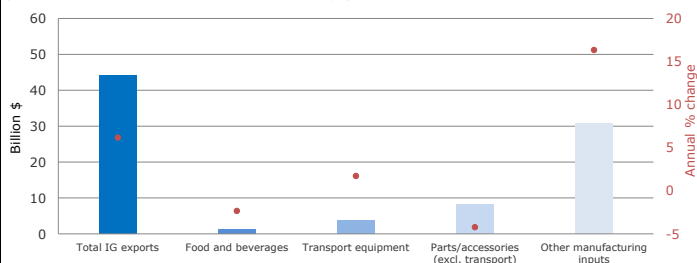
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	44	70.0	6.2
Commercial services	23	73.9	5.7
<b>Imports of intermediate</b>			
Goods	54	65.2	4.1
Commercial services	7	36.8	17.9

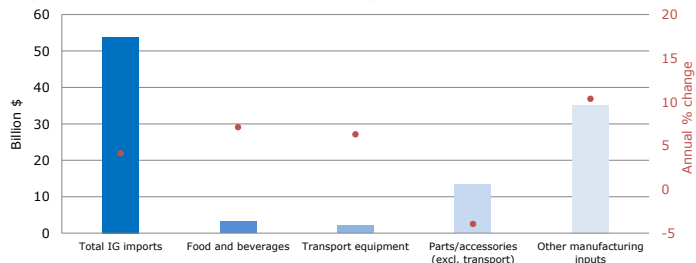
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Hong Kong, China	8	18.4
2. Japan	7	15.2
3. China	6	14.1

### Top origins of imports of intermediate goods

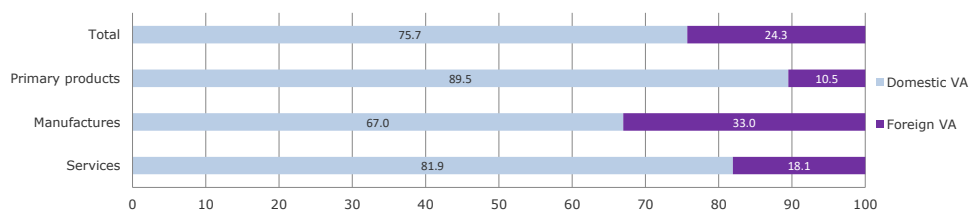
(Billion \$ and %)

	2020	2020 share in total
1. China	12	21.9
2. Japan	6	11.6
3. United States	6	10.2

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

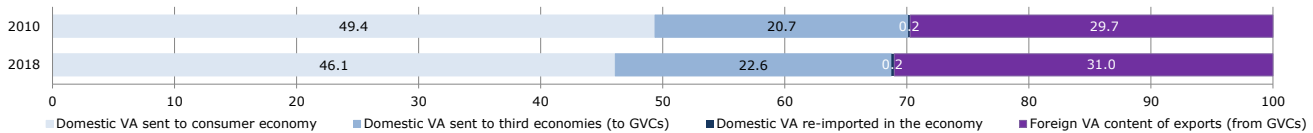


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

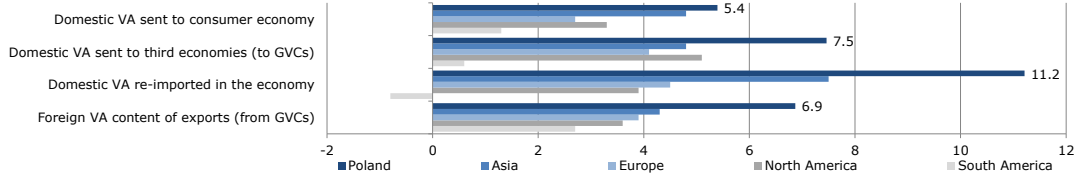
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Wholesale and retail trade	85.8	14.2	100.0	11.2	1.9
2. Motor vehicles	51.2	48.8	100.0	5.3	5.1
3. Land transport	75.8	24.2	100.0	6.6	2.1

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Germany	68.3	31.7	100.0	16.0	7.4
2. France	69.1	30.9	100.0	4.2	1.9
3. United Kingdom	69.1	30.9	100.0	3.8	1.7

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

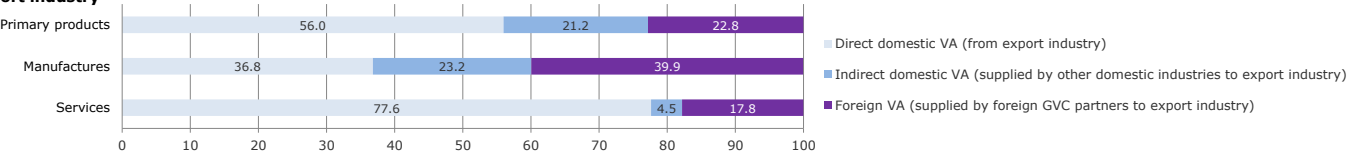
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>3.3</b>	<b>23.3</b>	<b>42.3</b>	<b>4.3</b>	<b>11.7</b>	<b>15.0</b>	<b>100.0</b>
Primary products	56.0	4.9	16.3	5.4	7.1	10.3	100.0
Manufactures	2.7	36.8	20.6	5.6	16.1	18.3	100.0
Services	0.8	3.7	77.6	2.3	5.4	10.1	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

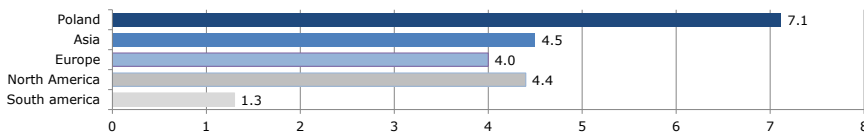
(% share in total gross exports)

## Regional averages

	Poland	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>53.6</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	22.6	20.0	21.2	22.0	23.5
Backward participation	31.0	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	19.9
2. Land transport	9.3
3. Scientific/technical activities	8.1

## Top exporters of Poland inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	22.1
2. Czech Republic	7.9
3. France	5.6

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	16.3
2. Land transport	6.8
3. Food and beverages	6.7

## Top foreign inputs providers

(% share in total foreign content of exports)

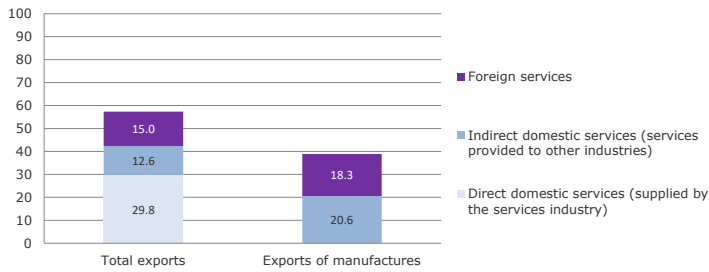
1. Germany	18.6
2. Russian Federation	10.0
3. China	7.7

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

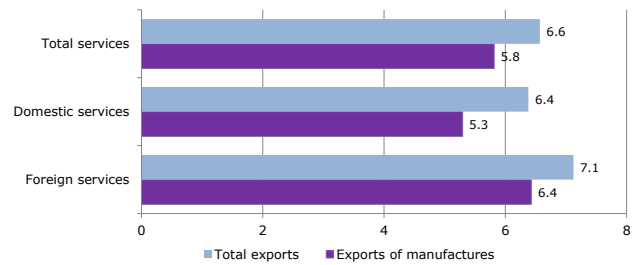
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	19.1
2. Land transport	7.2
3. Scientific/technical activities	7.0

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	2.8
2. Russian Federation	1.0
3. United States	1.0

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	13.6
2. Scientific/technical activities	4.6
3. Land transport	3.7

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	3.5
2. Russian Federation	1.3
3. China	1.3

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

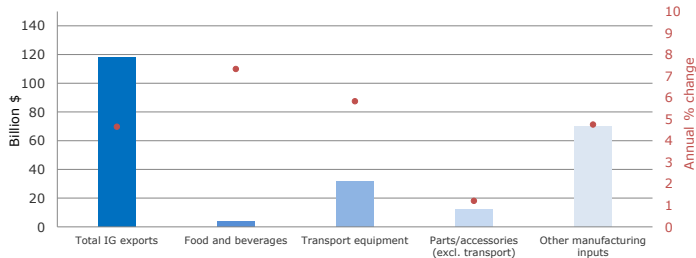
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	118	47.1	4.6
Commercial services	28	41.9	9.2
<b>Imports of intermediate</b>			
Goods	132	54.5	4.0
Commercial services	18	44.8	6.5

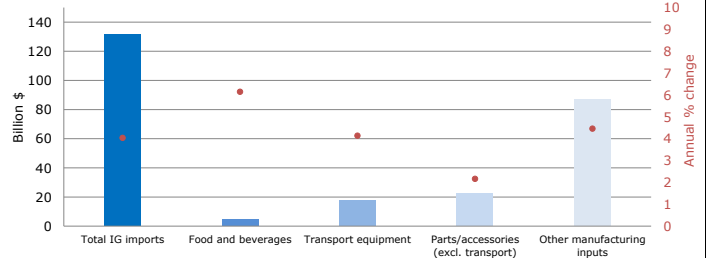
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	35	29.4
2. Czech Republic	9	7.4
3. France	7	5.6

### Top origins of imports of intermediate goods

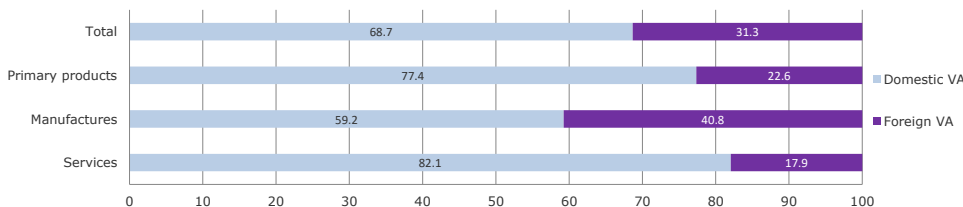
(Billion \$ and %)

	2020	2020 share in total
1. Germany	32	24.4
2. China	15	11.7
3. Italy	8	5.7

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

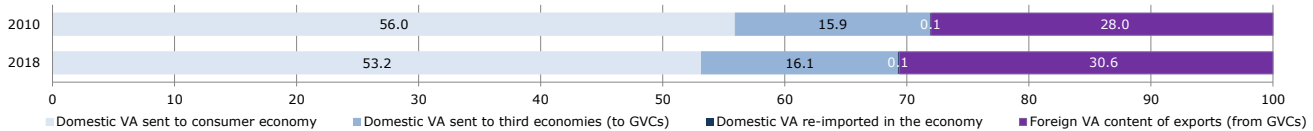


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

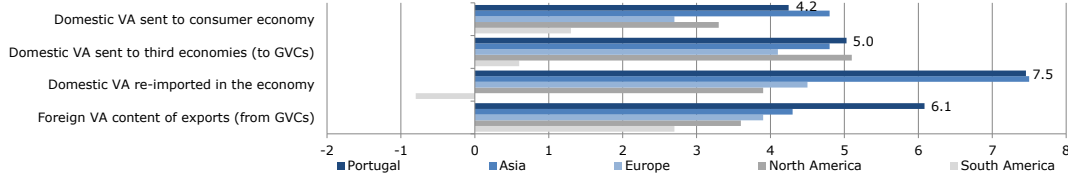
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010-2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Motor vehicles	44.6	55.4	100.0
2. Wholesale and retail trade	86.7	13.3	100.0
3. Accommodation/food serv.	84.3	15.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Motor vehicles	4.5	5.5
2. Wholesale and retail trade	8.4	1.3
3. Accommodation/food serv.	8.0	1.5

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Spain	66.7	33.3	100.0
2. France	69.2	30.8	100.0
3. Germany	68.6	31.4	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Spain	12.0	6.0
2. France	8.2	3.6
3. Germany	6.3	2.9

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

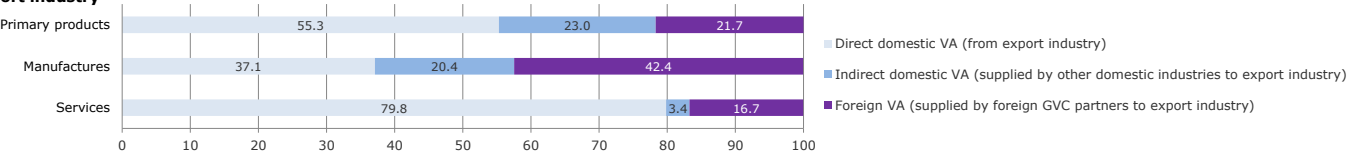
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>2.5</b>	<b>21.2</b>	<b>45.6</b>	<b>5.9</b>	<b>9.8</b>	<b>14.9</b>	<b>100.0</b>
Primary products	55.3	4.4	18.6	5.7	5.5	10.5	100.0
Manufactures	1.9	37.1	18.6	7.9	15.1	19.5	100.0
Services	0.6	2.9	79.8	3.5	3.6	9.6	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

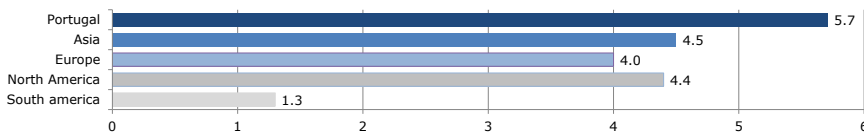
(% share in total gross exports)

## Regional averages

	Portugal	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>46.7</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	16.1	20.0	21.2	22.0	23.5
Backward participation	30.6	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	17.8
2. Admin./support activities	6.8
3. Warehousing for transport	5.4

## Top exporters of Portugal inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Spain	18.6
2. Germany	11.1
3. France	10.5

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	18.1
2. Petroleum products	9.2
3. Textiles and clothing	6.9

## Top foreign inputs providers

(% share in total foreign content of exports)

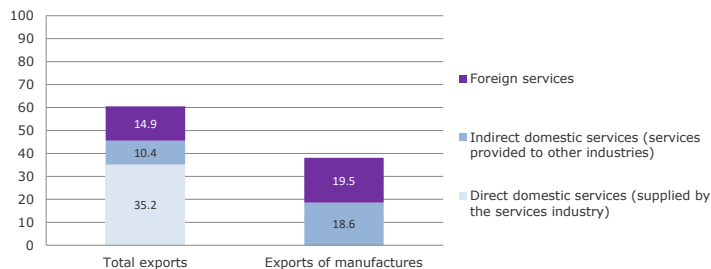
1. Spain	22.3
2. Germany	11.4
3. France	7.2

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

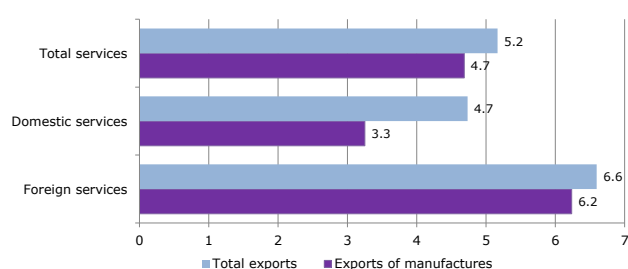
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	16.5
2. Accommodation/food serv.	6.1
3. Admin./support activities	5.5

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Spain	4.0
2. Germany	1.7
3. France	1.4

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	13.3
2. Admin./support activities	3.8
3. Scientific/technical activities	3.3

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Spain	5.2
2. Germany	2.4
3. France	1.8

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

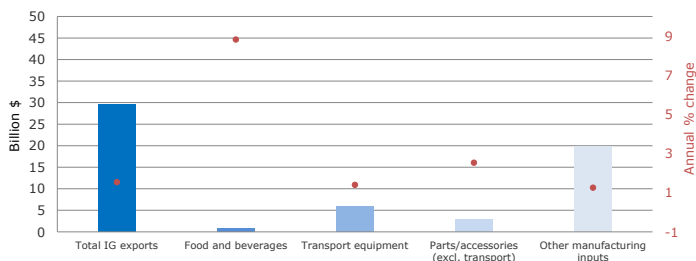
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	30	50.4	1.5
Commercial services	8	30.7	5.6
<b>Imports of intermediate</b>			
Goods	37	51.3	1.1
Commercial services	6	36.3	3.6

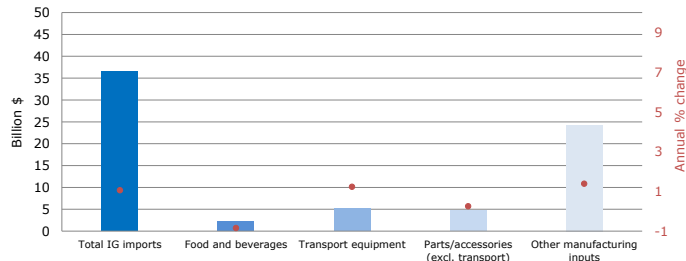
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Spain	8	28.6
2. France	4	12.8
3. Germany	3	11.8

### Top origins of imports of intermediate goods

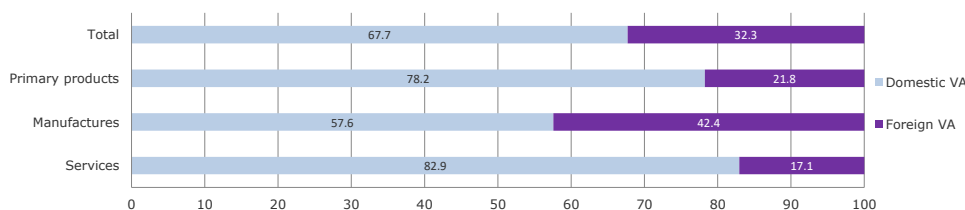
(Billion \$ and %)

	2020	2020 share in total
1. Spain	12	31.9
2. Germany	6	15.6
3. France	2	6.8

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



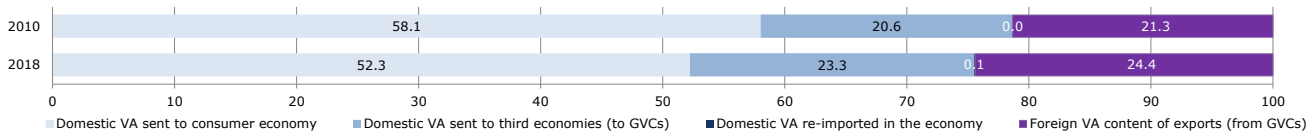
Source: WTO calculations based on the OECD TIVA database.



VALUE ADDED CONTENT OF GROSS EXPORTS

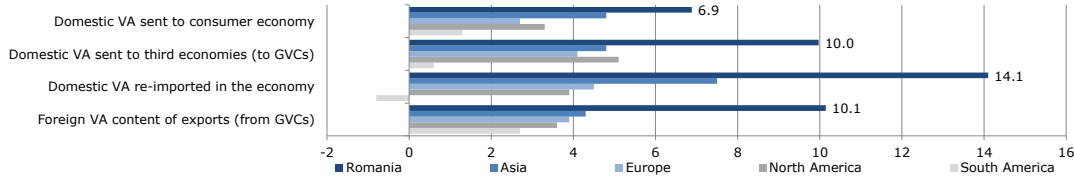
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Motor vehicles	64.1	35.9	100.0	9.3	5.2
2. Land transport	75.4	24.6	100.0	9.4	3.1
3. Wholesale and retail trade	81.8	18.2	100.0	8.2	1.8

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Germany	73.5	26.5	100.0	12.8	4.6
2. Italy	75.6	24.4	100.0	7.6	2.5
3. France	76.5	23.5	100.0	6.6	2.0

Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

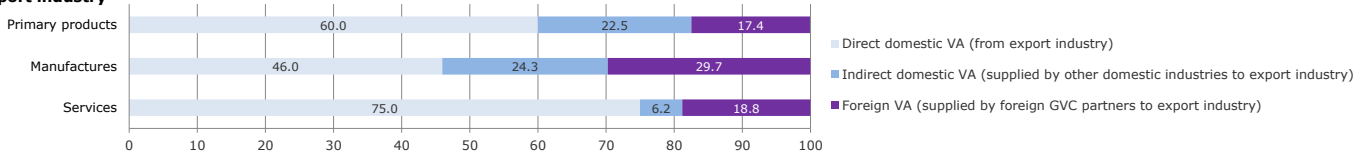
Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>4.4</b>	<b>26.4</b>	<b>44.9</b>	<b>2.4</b>	<b>9.1</b>	<b>12.9</b>	<b>100.0</b>
Primary products	60.0	4.5	18.0	3.4	5.1	9.0	100.0
Manufactures	1.9	46.0	22.4	3.0	11.7	15.1	100.0
Services	0.8	5.4	75.0	1.6	6.5	10.7	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

Export industry



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

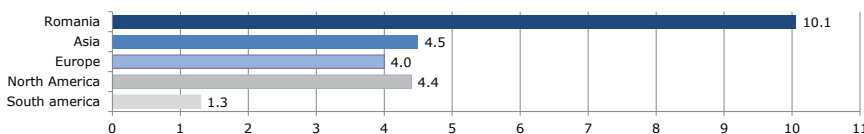
(% share in total gross exports)

Regional averages

	Romania	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>47.7</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	23.3	20.0	21.2	22.0	23.5
Backward participation	24.4	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	11.2
2. Scientific/technical activities	10.7
3. Land transport	10.7

Top exporters of Romania inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	18.9
2. Italy	8.2
3. France	6.9

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	21.4
2. Land transport	12.6
3. Wholesale and retail trade	7.5

Top foreign inputs providers

(% share in total foreign content of exports)

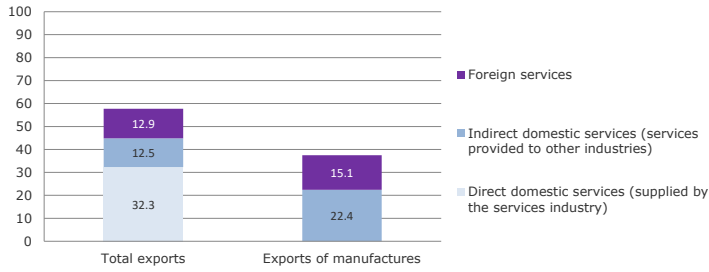
1. Germany	17.2
2. Italy	7.4
3. France	7.1

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

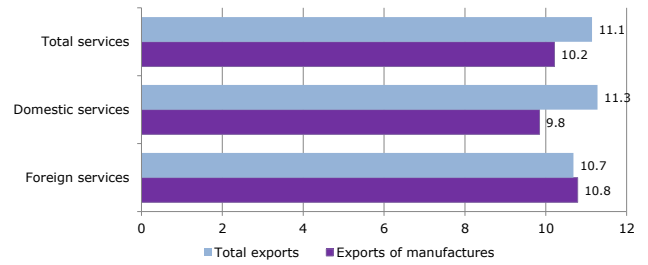
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	12.8
2. Scientific/technical activities	9.0
3. Land transport	8.2

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	2.0
2. France	1.2
3. Italy	1.0

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	9.4
2. Scientific/technical activities	5.0
3. Admin./support activities	3.3

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	2.5
2. France	1.3
3. Italy	1.3

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

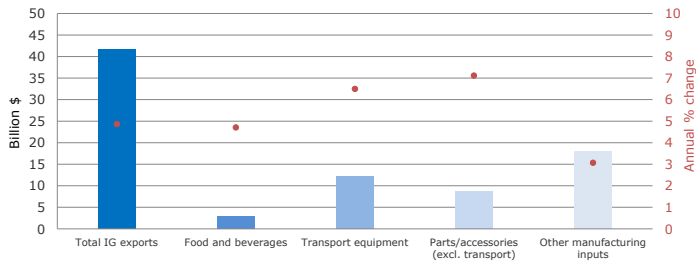
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	42	60.1	4.9
Commercial services	13	49.7	14.0
<b>Imports of intermediate</b>			
Goods	49	56.6	4.0
Commercial services	8	50.9	10.3

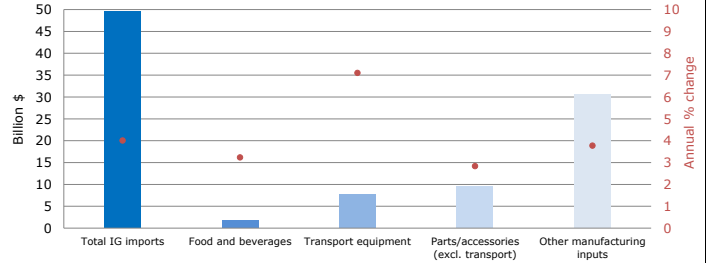
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	11	26.6
2. Italy	3	7.4
3. France	2	5.4

### Top origins of imports of intermediate goods

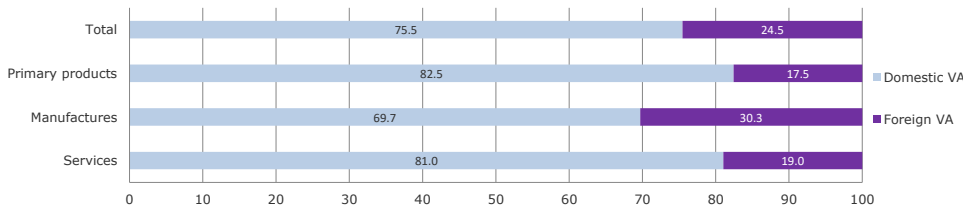
(Billion \$ and %)

	2020	2020 share in total
1. Germany	12	23.4
2. Italy	5	10.4
3. Hungary	3	6.6

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

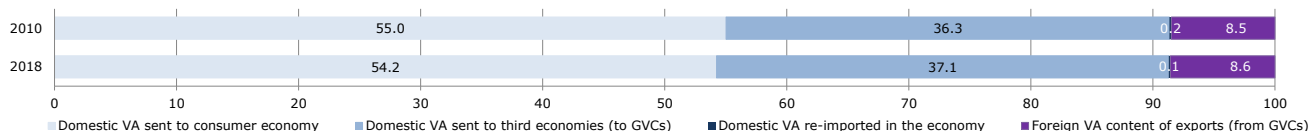


Source: WTO calculations based on the OECD TIVA database.

### VALUE ADDED CONTENT OF GROSS EXPORTS

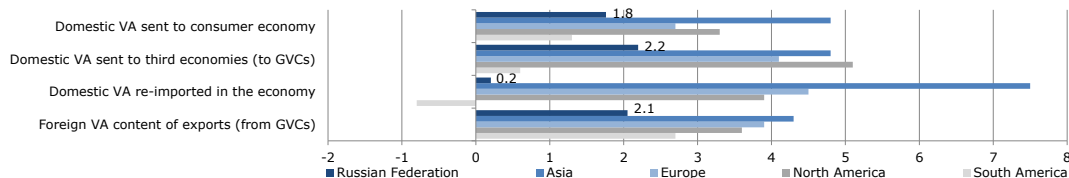
#### The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



#### Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



#### Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (energy products)	96.2	3.8	100.0
2. Petroleum products	94.2	5.8	100.0
3. Wholesale and retail trade	93.4	6.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Mining (energy products)	27.5	1.1
2. Petroleum products	15.8	1.0
3. Wholesale and retail trade	12.6	0.9

#### Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	93.1	6.9	100.0
2. Germany	92.5	7.5	100.0
3. United States	90.4	9.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. China	13.7	1.0
2. Germany	7.2	0.6
3. United States	4.8	0.5

#### Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

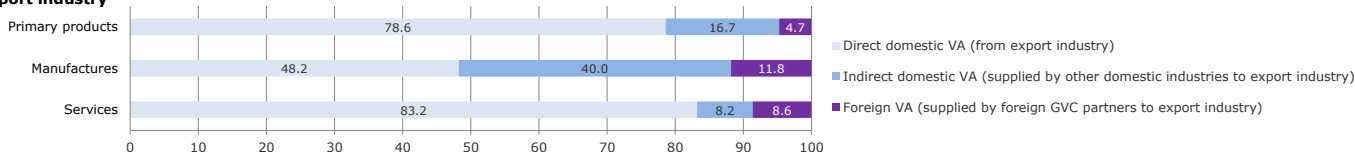
##### Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>33.2</b>	<b>21.5</b>	<b>36.8</b>	<b>0.9</b>	<b>3.0</b>	<b>4.7</b>	<b>100.0</b>
Primary products	78.6	3.2	13.5	0.6	1.5	2.6	100.0
Manufactures	13.9	48.2	26.0	1.4	4.6	5.9	100.0
Services	3.1	5.1	83.2	0.5	2.5	5.6	100.0

#### Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

##### Export industry



Source: WTO calculations based on the OECD TIVA database.

### PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

#### GVC participation index, 2018

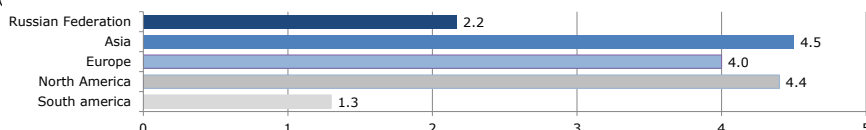
(% share in total gross exports)

##### Regional averages

	Russian Federation	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>45.6</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	37.1	20.0	21.2	22.0	23.5
Backward participation	8.6	24.4	27.6	15.8	13.0

#### Evolution of total GVC participation, 2010-2018

(annual % change)



#### Forward GVC participation, 2018

##### Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (energy products)	35.9
2. Wholesale and retail trade	13.4
3. Petroleum products	9.5

##### Top exporters of Russian Federation inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	9.9
2. China	9.5
3. Poland	4.8

#### Backward GVC participation, 2018

##### Top GVC-importing industries

(% share in total foreign content of exports)

1. Mining (energy products)	12.8
2. Petroleum products	11.3
3. Basic metals	11.0

##### Top foreign inputs providers

(% share in total foreign content of exports)

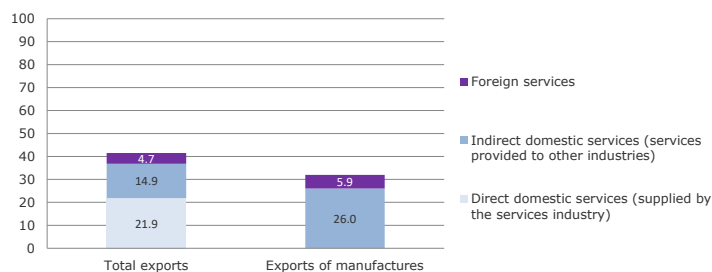
1. China	13.6
2. Germany	9.6
3. United States	9.2

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

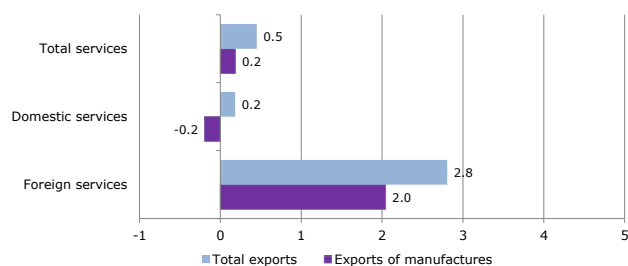
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	13.8
2. Land transport	5.5
3. Scientific/technical activities	3.1

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	0.5
2. China	0.5
3. Germany	0.4

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	9.1
2. Land transport	4.7
3. Electricity/gas supply	3.3

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	0.7
2. United States	0.6
3. Germany	0.6

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

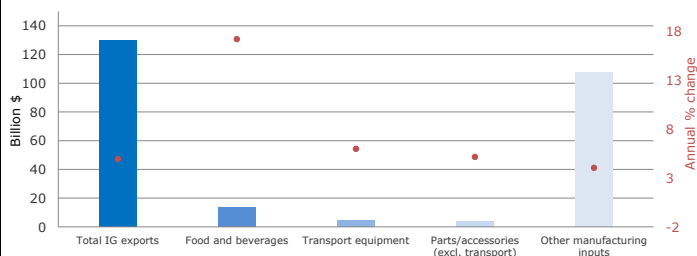
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	130	65.8	4.9
Commercial services	17	37.4	1.6
<b>Imports of intermediate</b>			
Goods	100	43.5	2.1
Commercial services	22	34.8	1.2

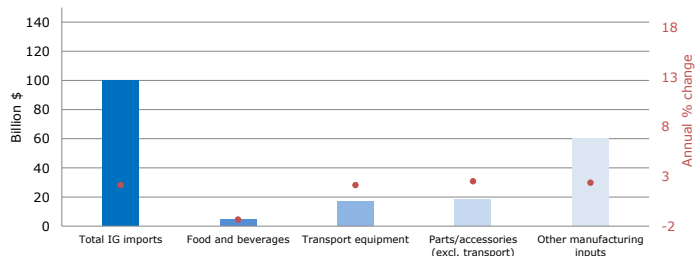
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. United Kingdom	20	15.3
2. China	15	11.8
3. Turkey	8	6.3

### Top origins of imports of intermediate goods

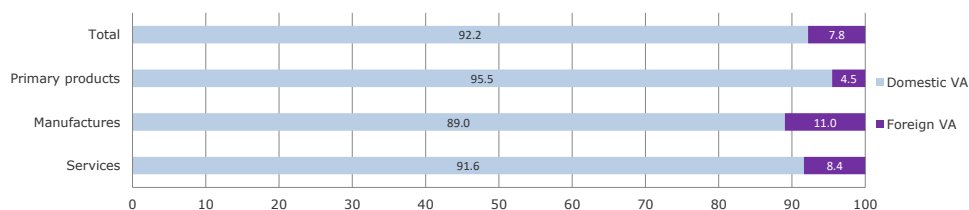
(Billion \$ and %)

	2020	2020 share in total
1. China	20	20.2
2. Germany	11	11.2
3. Belarus	5	4.9

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

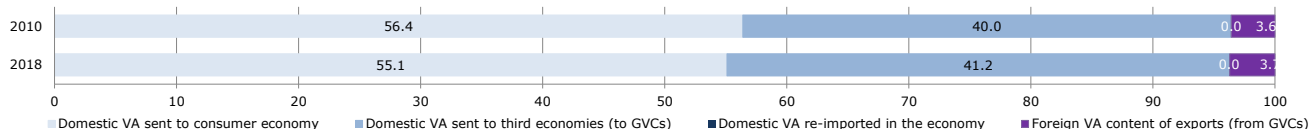


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

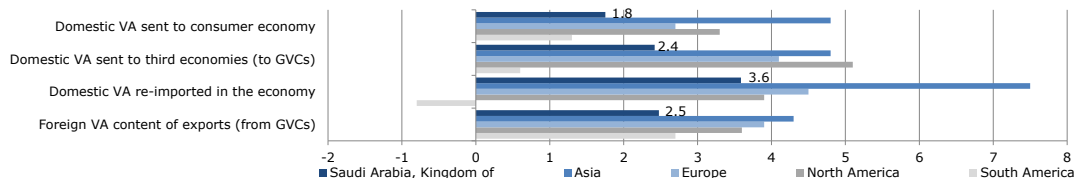
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (energy products)	99.4	0.6	100.0
2. Chemical products	91.5	8.5	100.0
3. Petroleum products	90.1	9.9	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Mining (energy products)	71.2	0.4
2. Chemical products	6.8	0.6
3. Petroleum products	6.1	0.7

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	97.4	2.6	100.0
2. United States	98.2	1.8	100.0
3. India	97.0	3.0	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. China	21.0	0.6
2. United States	13.5	0.2
3. India	11.9	0.4

Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

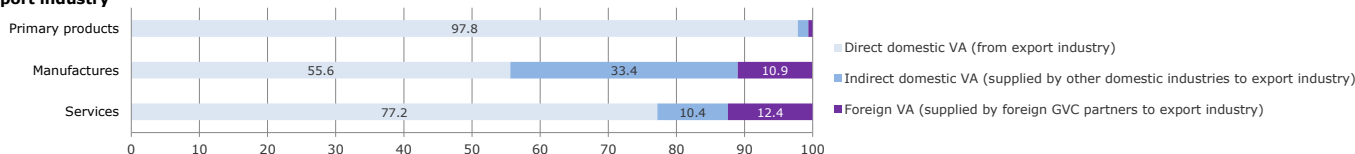
Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>72.9</b>	<b>10.8</b>	<b>12.6</b>	<b>0.5</b>	<b>0.9</b>	<b>2.3</b>	<b>100.0</b>
Primary products	97.8	0.2	1.3	0.1	0.1	0.4	100.0
Manufactures	12.9	55.6	20.5	1.6	2.8	6.7	100.0
Services	3.6	6.7	77.2	1.3	2.7	8.4	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

Export industry



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

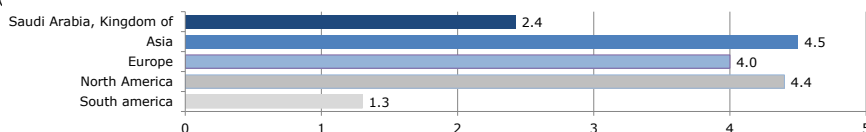
(% share in total gross exports)

Regional averages

	Saudi Arabia, Kingdom of	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>44.9</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	41.2	20.0	21.2	22.0	23.5
Backward participation	3.7	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (energy products)	83.2
2. Chemical products	4.1
3. Wholesale and retail trade	3.7

Top exporters of Saudi Arabia, Kingdom of inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Korea, Republic of	14.3
2. China	14.2
3. India	9.1

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Petroleum products	18.3
2. Chemical products	17.2
3. Wholesale and retail trade	12.1

Top foreign inputs providers

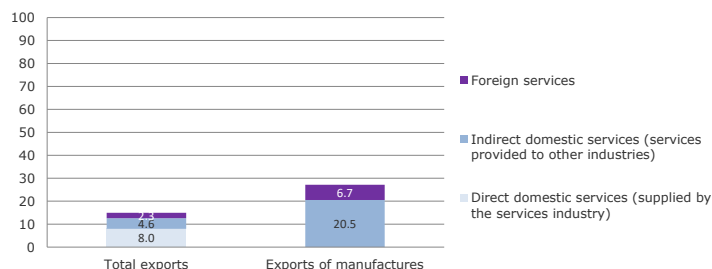
(% share in total foreign content of exports)

1. United States	11.3
2. China	9.1
3. United Kingdom	7.2

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

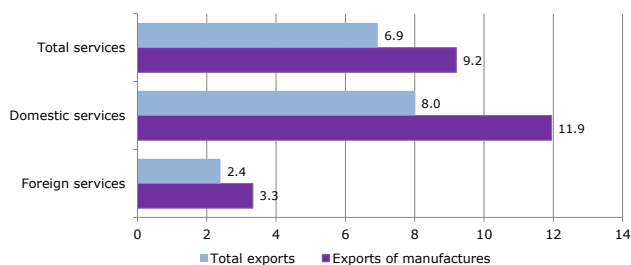
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	5.4
2. Telecommunications	1.4
3. Financial services	1.2

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	0.3
2. United Kingdom	0.2
3. China	0.2

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.2
2. Financial services	2.7
3. Telecommunications	2.0

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	0.9
2. United Kingdom	0.7
3. China	0.5

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

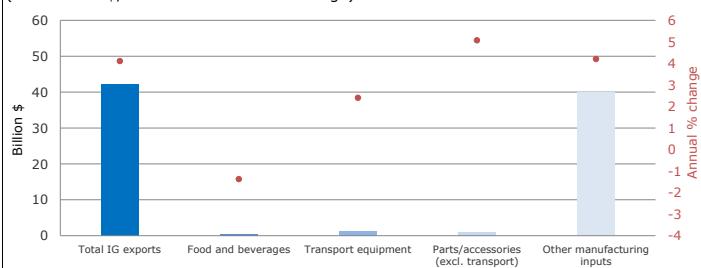
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	42	22.7	4.1
Commercial services	1	14.8	14.7
<b>Imports of intermediate</b>			
Goods	51	40.3	0.2
Commercial services	6	15.4	-5.7

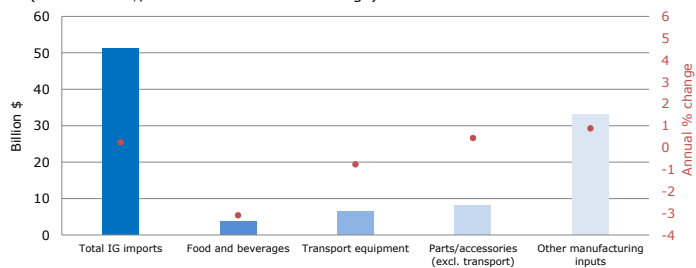
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	8	18.6
2. United Arab Emirates	4	10.2
3. India	3	7.2

### Top origins of imports of intermediate goods

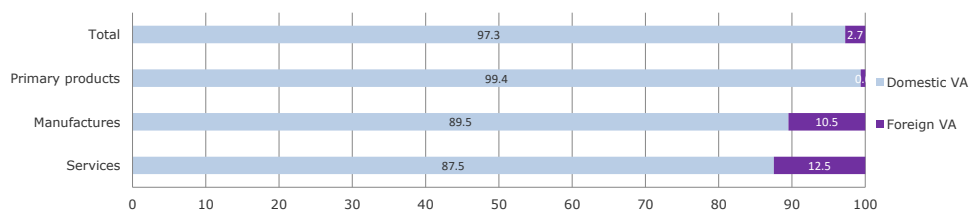
(Billion \$ and %)

	2020	2020 share in total
1. China	7	14.3
2. United States	7	13.3
3. United Arab Emirates	4	8.5

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

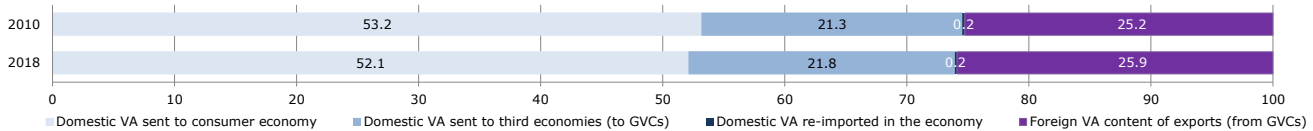


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

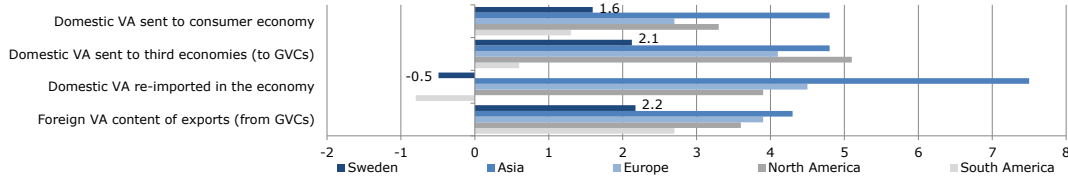
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Motor vehicles	62.9	37.1	100.0	8.5	5.0
2. Wholesale and retail trade	87.3	12.7	100.0	9.2	1.3
3. Other machinery and equipt.	72.1	27.9	100.0	5.5	2.1

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Germany	72.9	27.1	100.0	6.6	2.5
2. Norway	72.6	27.4	100.0	6.3	2.4
3. Denmark	73.6	26.4	100.0	5.5	2.0

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

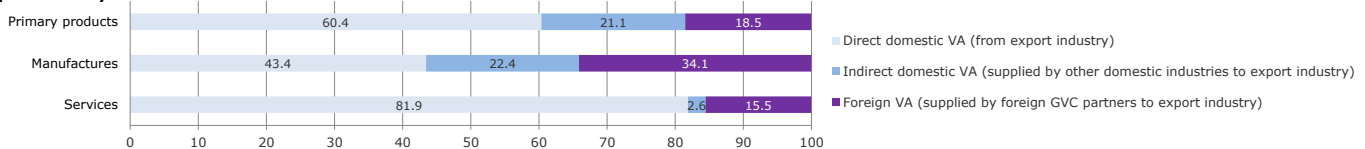
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>2.5</b>	<b>25.1</b>	<b>46.5</b>	<b>4.4</b>	<b>7.2</b>	<b>14.2</b>	<b>100.0</b>
Primary products	60.4	3.6	17.5	4.3	4.1	10.2	100.0
Manufactures	2.6	43.4	19.8	6.7	10.8	16.6	100.0
Services	0.4	2.2	81.9	1.5	2.7	11.4	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

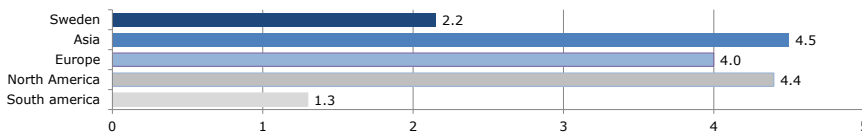
(% share in total gross exports)

## Regional averages

	Sweden	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>47.7</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	21.8	20.0	21.2	22.0	23.5
Backward participation	25.9	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	13.6
2. Scientific/technical activities	9.9
3. Admin./support activities	6.0

## Top exporters of Sweden inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	13.0
2. Denmark	7.8
3. Netherlands	5.1

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	19.4
2. Petroleum products	12.6
3. Other machinery and equipment	8.2

## Top foreign inputs providers

(% share in total foreign content of exports)

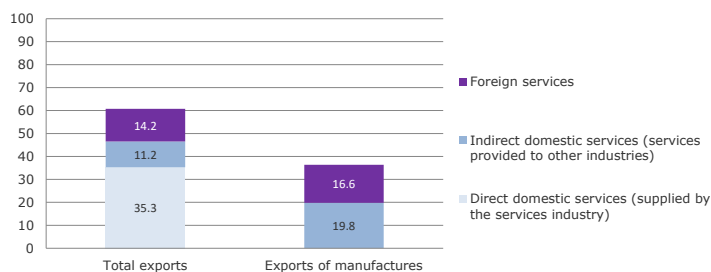
1. Germany	13.0
2. United States	7.5
3. Norway	7.5

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

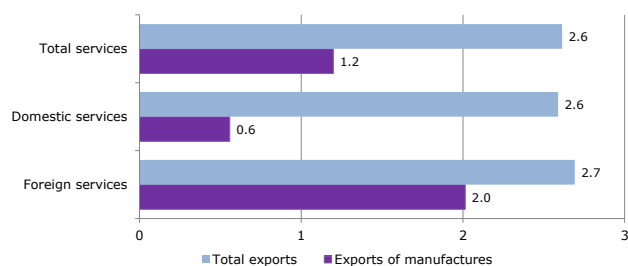
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	13.5
2. Scientific/technical activities	9.6
3. Admin./support activities	5.2

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	1.7
2. United States	1.5
3. United Kingdom	1.1

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	9.3
2. Scientific/technical activities	6.0
3. Admin./support activities	3.2

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	2.3
2. United States	1.6
3. United Kingdom	1.2

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

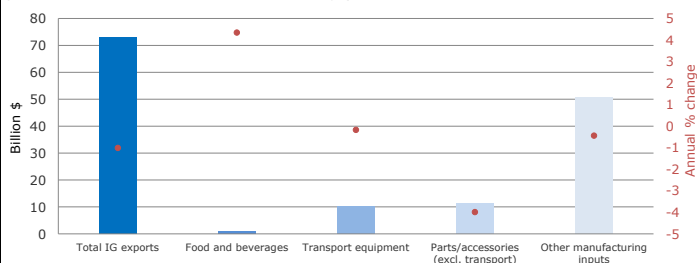
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	73	49.4	-1.0
Commercial services	35	50.9	3.5
<b>Imports of intermediate</b>			
Goods	58	42.3	-0.9
Commercial services	37	53.8	5.3

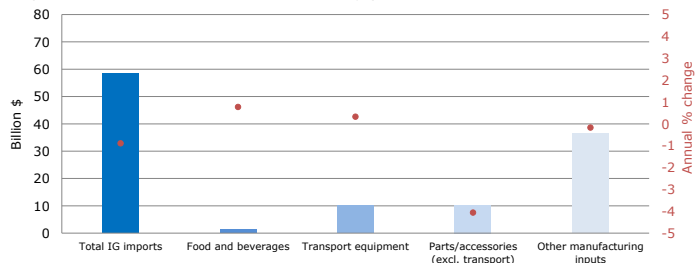
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	9	13.0
2. Norway	6	8.6
3. United States	5	6.8

### Top origins of imports of intermediate goods

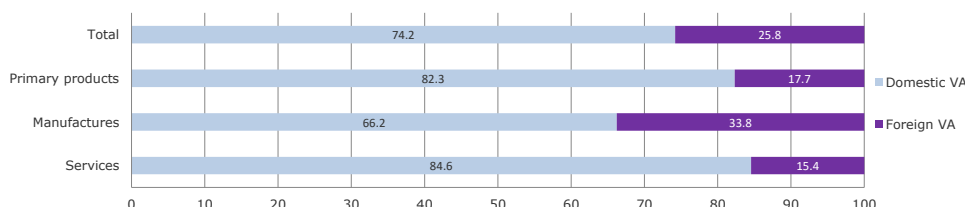
(Billion \$ and %)

	2020	2020 share in total
1. Germany	12	19.9
2. Netherlands	4	7.4
3. Norway	4	6.3

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



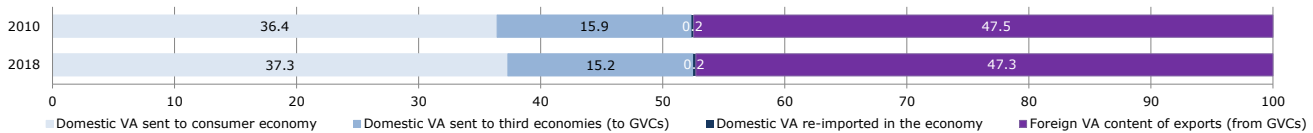
Source: WTO calculations based on the OECD TIVA database.



## VALUE ADDED CONTENT OF GROSS EXPORTS

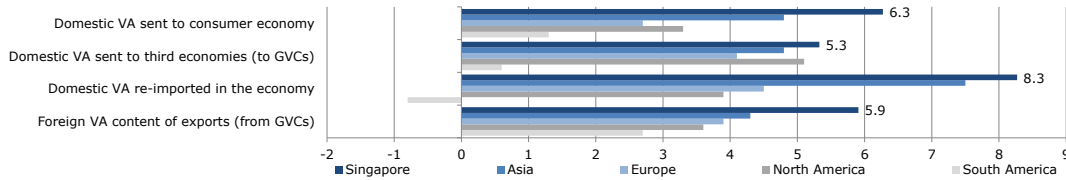
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Wholesale and retail trade	65.7	34.3	100.0	9.1	4.8
2. Computer/electronic prod.	45.8	54.2	100.0	6.1	7.2
3. Financial services	69.2	30.8	100.0	7.0	3.1

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. China	52.6	47.4	100.0	7.8	7.1
2. United States	58.5	41.5	100.0	5.4	3.8
3. Indonesia	43.0	57.0	100.0	3.4	4.5

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

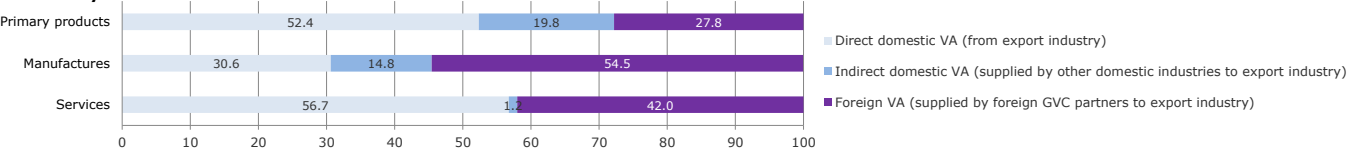
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>0.0</b>	<b>13.6</b>	<b>39.1</b>	<b>9.6</b>	<b>8.4</b>	<b>29.2</b>	<b>100.0</b>
Primary products	52.4	2.2	17.7	5.5	4.1	18.1	100.0
Manufactures	0.0	30.6	14.8	17.5	12.4	24.7	100.0
Services	0.0	1.2	56.7	3.9	5.6	32.5	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

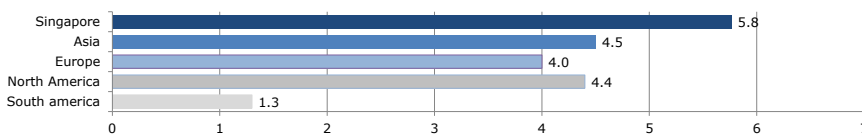
(% share in total gross exports)

## Regional averages

	Singapore	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>62.5</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	15.2	20.0	21.2	22.0	23.5
Backward participation	47.3	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	23.6
2. Financial services	15.2
3. Chemical products	9.9

## Top exporters of Singapore inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	11.9
2. Malaysia	7.4
3. Germany	5.6

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Petroleum products	16.1
2. Computer/electronic products	15.2
3. Water transport	14.0

## Top foreign inputs providers

(% share in total foreign content of exports)

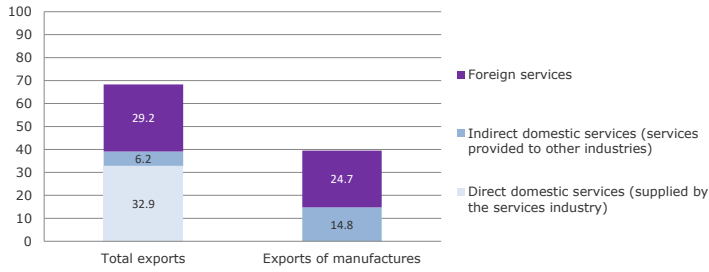
1. United States	13.2
2. China	11.1
3. Japan	10.0

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

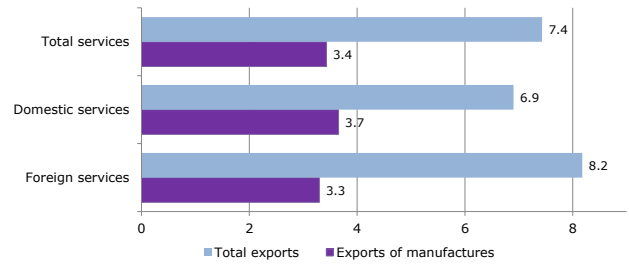
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	15.8
2. Financial services	11.0
3. Admin./support activities	7.6

#### Top foreign services providers to total exports

(% share in total gross exports)

1. United States	4.9
2. Japan	3.6
3. China	3.3

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	11.9
2. Admin./support activities	6.9
3. Scientific/technical activities	5.1

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. United States	4.6
2. Japan	3.9
3. China	2.5

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

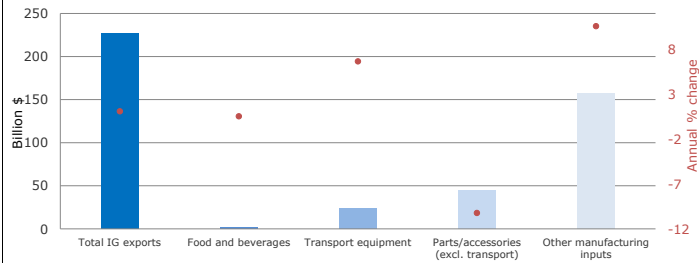
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	227	65.8	1.1
Commercial services	75	40.1	12.6
<b>Imports of intermediate</b>			
Goods	197	70.5	2.3
Commercial services	76	44.3	11.7

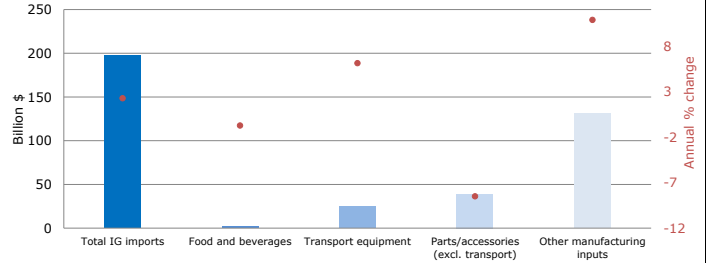
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Hong Kong, China	37	16.3
2. China	36	15.7
3. United States	23	10.3

### Top origins of imports of intermediate goods

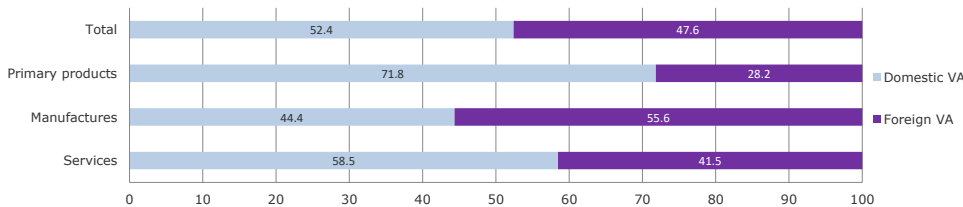
(Billion \$ and %)

	2020	2020 share in total
1. Chinese Taipei	34	17.4
2. United States	25	12.6
3. Malaysia	23	11.7

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

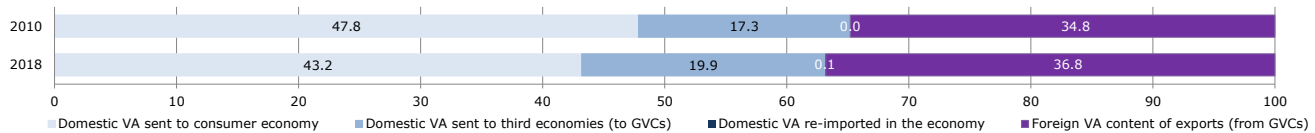


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

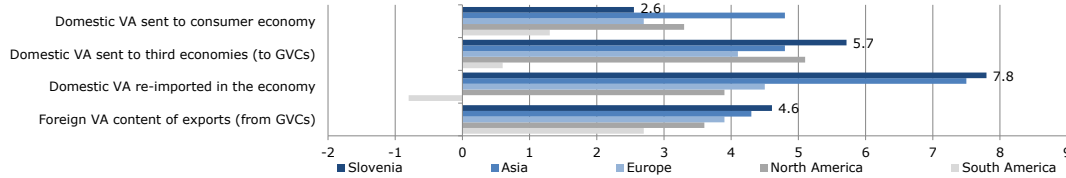
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Motor vehicles	40.0	60.0	100.0
2. Wholesale and retail trade	80.5	19.5	100.0
3. Electrical equipment	49.7	50.3	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Motor vehicles	4.1	6.2
2. Wholesale and retail trade	7.0	1.7
3. Electrical equipment	4.3	4.4

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	57.9	42.1	100.0
2. Italy	65.1	34.9	100.0
3. Austria	67.7	32.3	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Germany	9.3	6.8
2. Italy	8.2	4.4
3. Austria	6.2	3.0

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

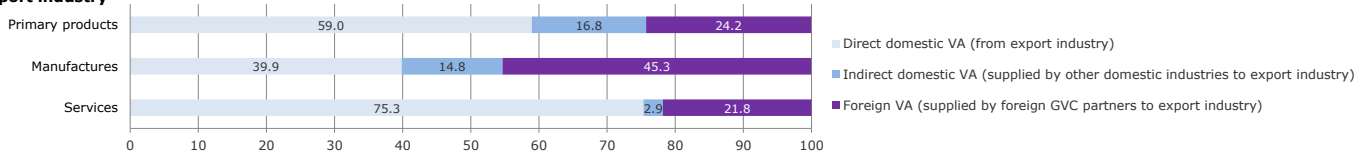
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>1.9</b>	<b>26.2</b>	<b>35.2</b>	<b>3.5</b>	<b>14.1</b>	<b>19.3</b>	<b>100.0</b>
Primary products	59.0	3.3	13.5	5.3	6.8	12.2	100.0
Manufactures	0.8	39.9	14.0	3.9	19.1	22.3	100.0
Services	0.6	2.2	75.3	2.5	5.2	14.1	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

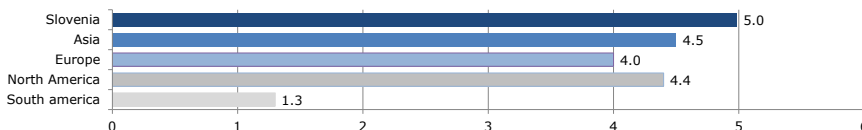
(% share in total gross exports)

## Regional averages

	Slovenia	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>56.7</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	19.9	20.0	21.2	22.0	23.5
Backward participation	36.8	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	13.3
2. Metal products	8.2
3. Scientific/technical activities	7.9

## Top exporters of Slovenia inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	18.5
2. Austria	10.6
3. Italy	10.2

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	16.8
2. Electrical equipment	11.8
3. Basic metals	8.3

## Top foreign inputs providers

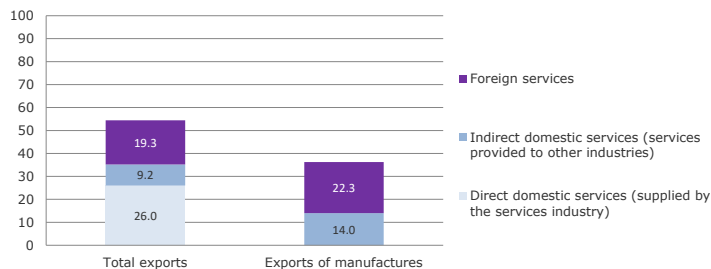
(% share in total foreign content of exports)

1. Germany	14.1
2. Italy	11.1
3. Austria	7.6

Source: WTO calculations based on the OECD TIVA database.

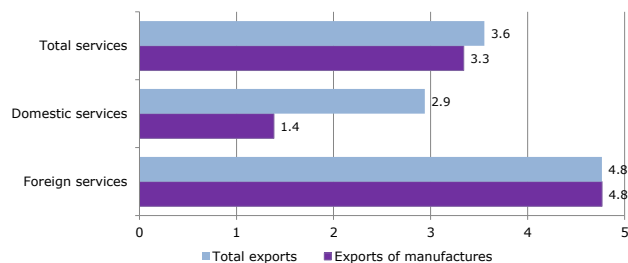
The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



Evolution of the services VA content of exports, 2010-2018

(annual % change)



Services VA contribution to total exports, 2018

Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	13.9
2. Scientific/technical activities	7.5
3. Land transport	5.9

Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	2.6
2. Italy	2.3
3. Austria	1.6

Services VA contribution to exports of manufactures, 2018

Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.5
2. Scientific/technical activities	5.3
3. Admin./support activities	3.1

Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	3.2
2. Italy	2.8
3. Austria	1.8

Source: WTO calculations based on the OECD TIVA database.

TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

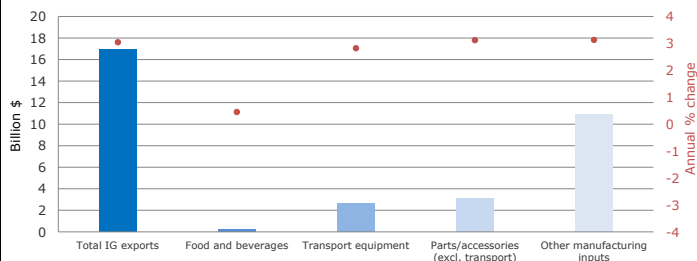
Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	17	46.6	3.0
Commercial services	2	30.9	6.5
<b>Imports of intermediate</b>			
Goods	17	50.4	2.4
Commercial services	2	45.1	5.3

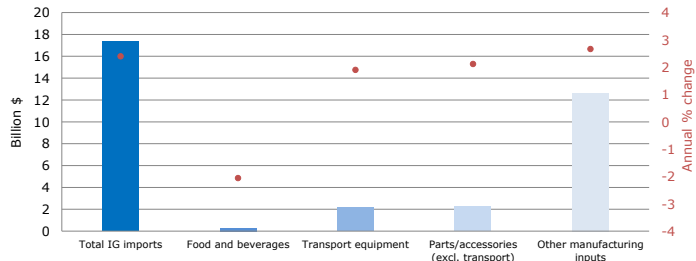
Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	4	22.8
2. Italy	2	12.1
3. Austria	2	9.5

Top origins of imports of intermediate goods

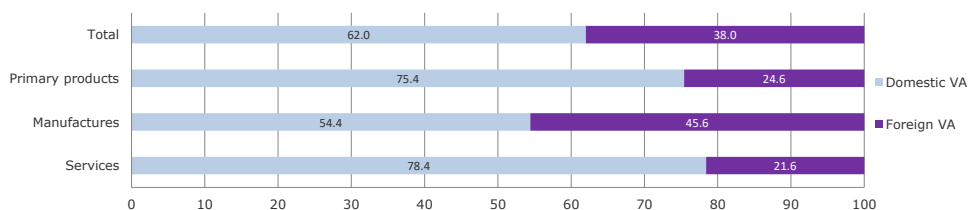
(Billion \$ and %)

	2020	2020 share in total
1. Germany	3	16.4
2. Italy	2	12.4
3. Austria	2	9.5

Sources: UN Comtrade database and WTO Stats database.

Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

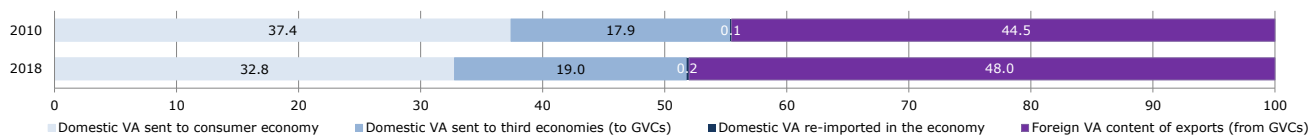


Source: WTO calculations based on the OECD TIVA database.

### VALUE ADDED CONTENT OF GROSS EXPORTS

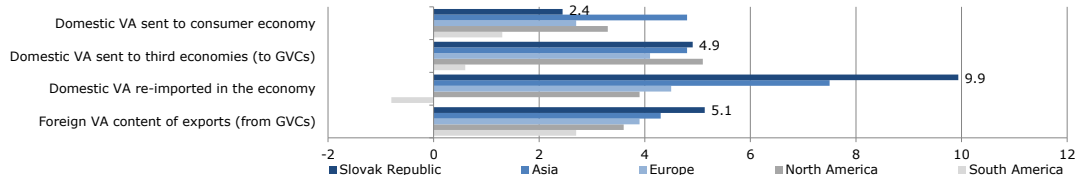
#### The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



#### Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



#### Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Motor vehicles	33.1	66.9	100.0
2. Wholesale and retail trade	79.1	20.9	100.0
3. Other machinery and equipt.	49.4	50.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Motor vehicles	10.1	20.5
2. Wholesale and retail trade	5.9	1.6
3. Other machinery and equipt.	2.9	3.0

#### Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	51.5	48.5	100.0
2. Czech Republic	55.7	44.3	100.0
3. France	47.2	52.8	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Germany	8.3	7.8
2. Czech Republic	5.9	4.7
3. France	3.1	3.4

#### Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

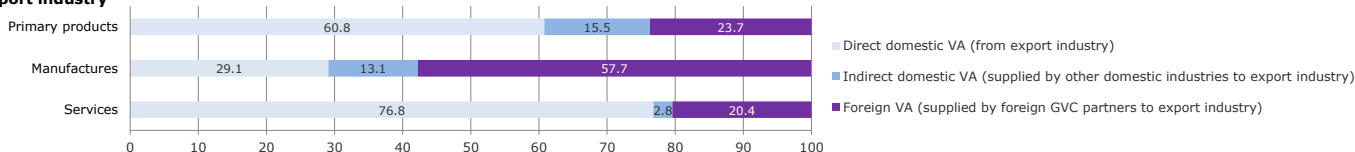
##### Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>1.8</b>	<b>22.0</b>	<b>28.2</b>	<b>5.0</b>	<b>21.4</b>	<b>21.6</b>	<b>100.0</b>
Primary products	60.8	2.1	13.4	5.5	7.2	11.0	100.0
Manufactures	1.0	29.1	12.1	5.8	26.9	25.1	100.0
Services	0.6	2.2	76.8	2.6	5.9	11.9	100.0

#### Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

##### Export industry



Source: WTO calculations based on the OECD TIVA database.

### PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

#### GVC participation index, 2018

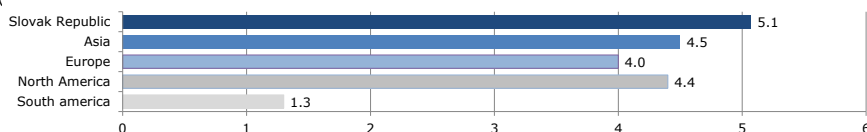
(% share in total gross exports)

##### Regional averages

	Slovak Republic	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>67.0</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	19.0	20.0	21.2	22.0	23.5
Backward participation	48.0	24.4	27.6	15.8	13.0

#### Evolution of total GVC participation, 2010-2018

(annual % change)



#### Forward GVC participation, 2018

##### Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	13.9
2. Motor vehicles	8.5
3. Scientific/technical activities	8.1

##### Top exporters of Slovak Republic inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	18.1
2. Czech Republic	14.9
3. Hungary	8.9

#### Backward GVC participation, 2018

##### Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	42.6
2. Computer/electronic products	7.8
3. Other machinery and equipment	6.2

##### Top foreign inputs providers

(% share in total foreign content of exports)

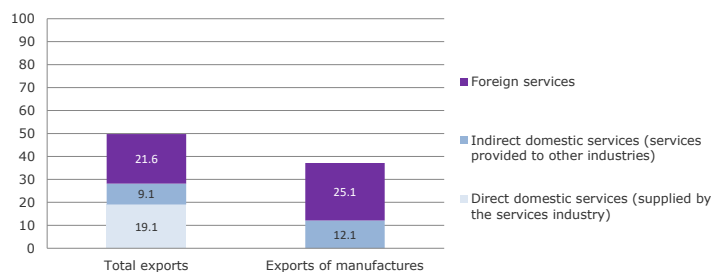
1. Germany	19.0
2. Russian Federation	9.5
3. Czech Republic	7.4

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

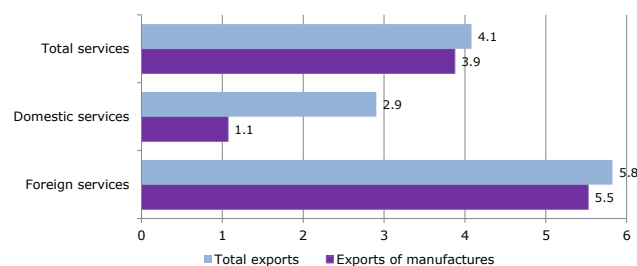
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	14.5
2. Scientific/technical activities	6.4
3. Land transport	5.7

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	3.8
2. Czech Republic	1.7
3. Russian Federation	1.5

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	12.3
2. Scientific/technical activities	4.5
3. Land transport	3.4

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	4.7
2. Russian Federation	1.7
3. Czech Republic	1.7

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

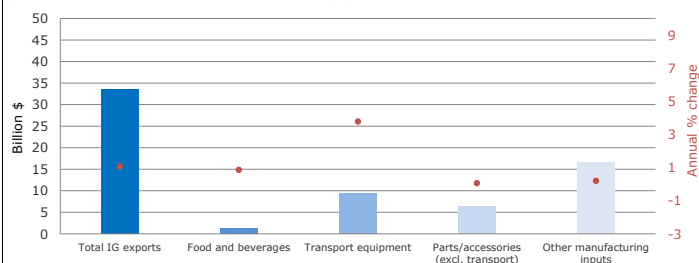
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	33	39.5	1.1
Commercial services	4	41.8	12.7
<b>Imports of intermediate</b>			
Goods	47	59.4	2.7
Commercial services	3	38.6	8.6

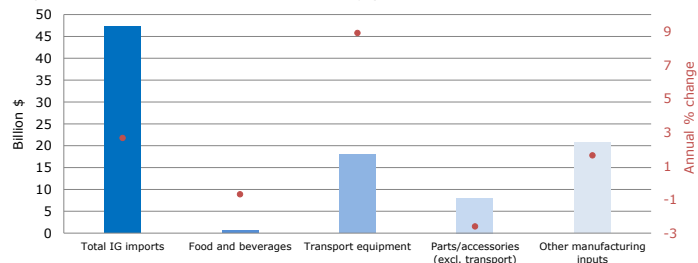
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	9	26.9
2. Czech Republic	5	14.9
3. Poland	3	8.9

### Top origins of imports of intermediate goods

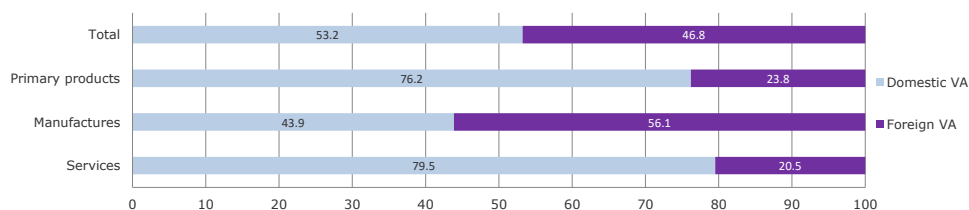
(Billion \$ and %)

	2020	2020 share in total
1. Germany	11	24.1
2. Czech Republic	5	10.7
3. Poland	3	6.6

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

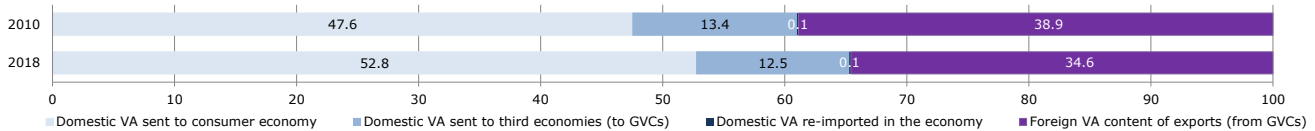


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

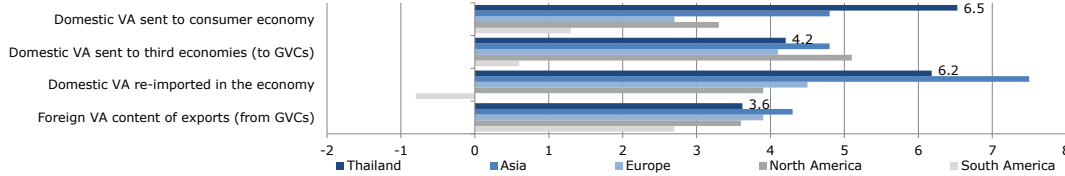
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Computer/electronic prod.	50.8	49.2	100.0
2. Wholesale and retail trade	89.9	10.1	100.0
3. Motor vehicles	49.3	50.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	6.0	5.8
	8.8	1.0
	4.4	4.6

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	67.7	32.3	100.0
2. United States	65.6	34.4	100.0
3. Japan	64.3	35.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	10.6	5.0
	7.6	4.0
	5.8	3.2

Domestic and foreign sectoral VA contribution to gross exports, 2018

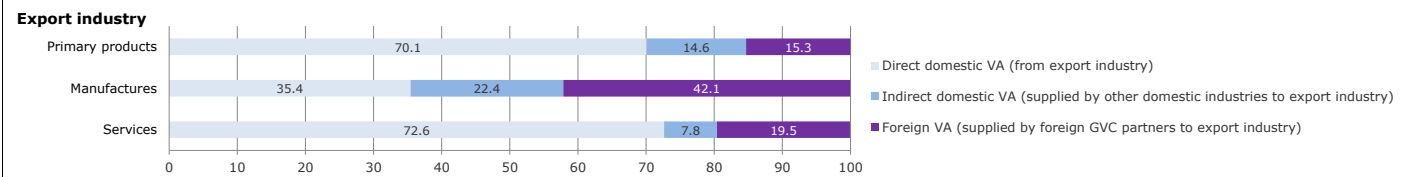
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>6.5</b>	<b>25.1</b>	<b>33.8</b>	<b>7.7</b>	<b>12.5</b>	<b>14.4</b>	<b>100.0</b>
Primary products	70.1	4.1	10.5	3.8	4.7	6.8	100.0
Manufactures	6.3	35.4	16.1	8.8	16.5	16.8	100.0
Services	3.4	4.4	72.6	5.5	4.3	9.8	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

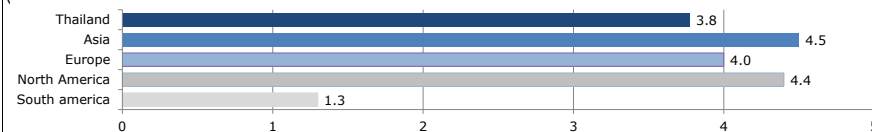
(% share in total gross exports)

Regional averages

	Thailand	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>47.1</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	12.5	20.0	21.2	22.0	23.5
Backward participation	34.6	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	25.7
2. Computer/electronic prod.	9.8
3. Chemical products	7.9

Top exporters of Thailand inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	16.4
2. Viet Nam	12.0
3. Japan	7.1

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Computer/electronic products	16.7
2. Motor vehicles	13.2
3. Chemical products	6.1

Top foreign inputs providers

(% share in total foreign content of exports)

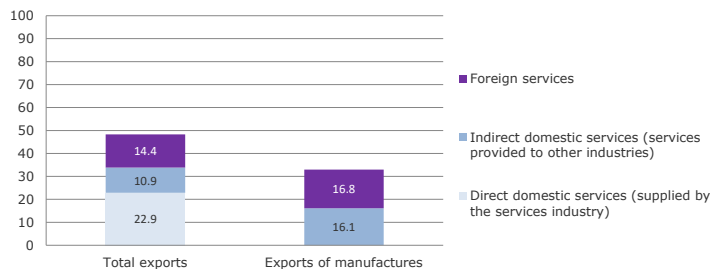
1. China	18.1
2. Japan	12.8
3. United States	8.6

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

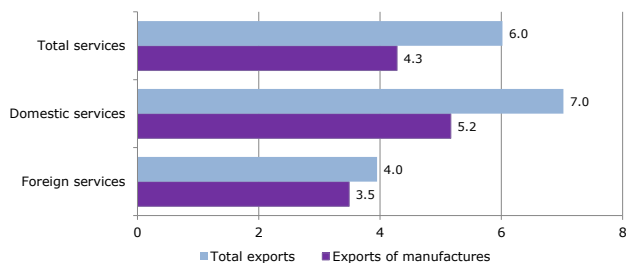
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	19.8
2. Financial services	5.0
3. Electricity/gas supply	3.7

#### Top foreign services providers to total exports

(% share in total gross exports)

1. China	2.4
2. United States	1.8
3. Japan	1.8

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	14.6
2. Financial services	4.2
3. Electricity/gas supply	3.7

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	3.1
2. Japan	2.3
3. United States	2.0

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

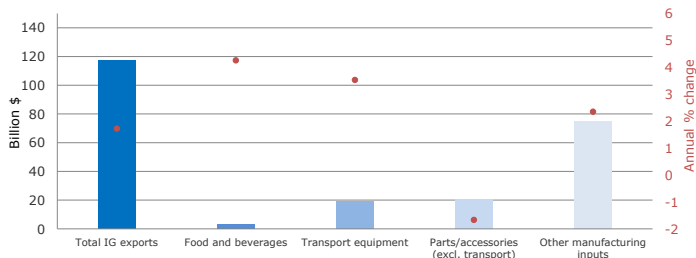
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	117	51.9	1.7
Commercial services	12	39.7	5.8
<b>Imports of intermediate</b>			
Goods	120	66.8	0.8
Commercial services	16	35.1	4.4

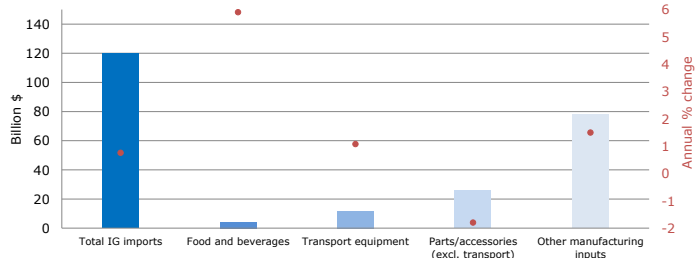
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	19	16.2
2. United States	13	11.0
3. Japan	11	9.4

### Top origins of imports of intermediate goods

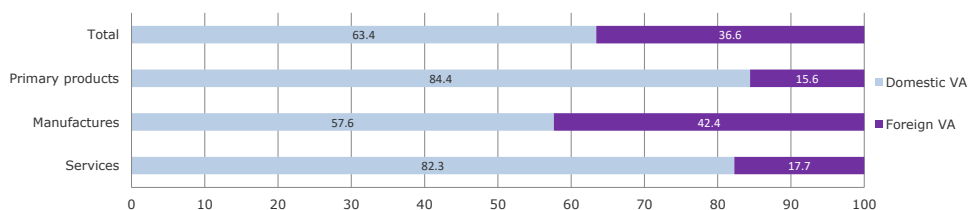
(Billion \$ and %)

	2020	2020 share in total
1. China	27	22.8
2. Japan	20	16.9
3. United States	9	7.2

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



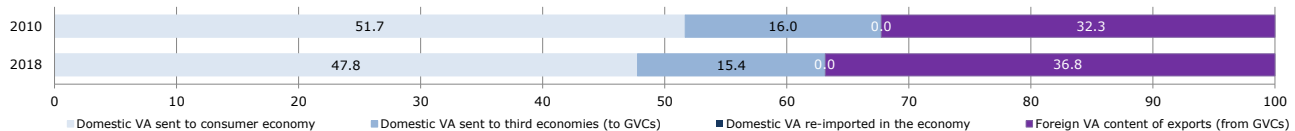
Source: WTO calculations based on the OECD TIVA database.



## VALUE ADDED CONTENT OF GROSS EXPORTS

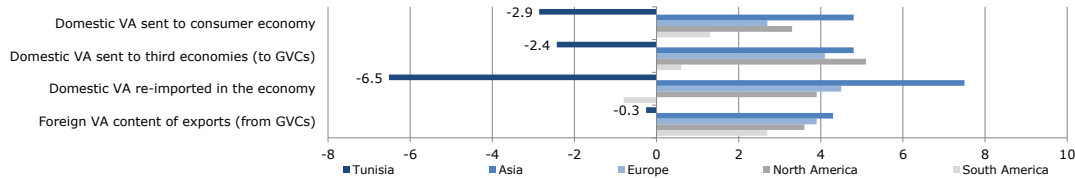
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Textiles and clothing	54.9	45.1	100.0
2. Food and beverages	69.6	30.4	100.0
3. Computer/electronic prod.	46.3	53.7	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Textiles and clothing	9.5	7.8
2. Food and beverages	5.7	2.5
3. Computer/electronic prod.	3.6	4.2

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. France	61.0	39.0	100.0
2. Italy	62.3	37.7	100.0
3. Germany	61.8	38.2	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. France	18.5	11.8
2. Italy	11.4	6.9
3. Germany	5.2	3.2

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

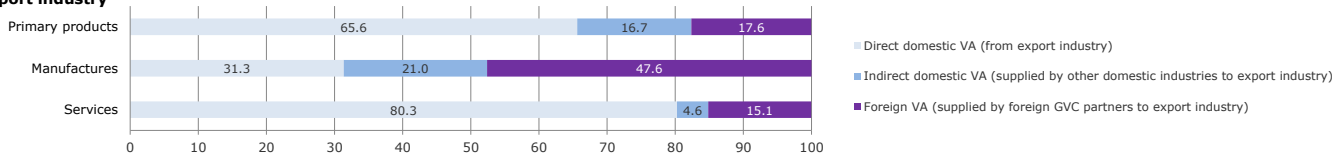
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>9.7</b>	<b>21.3</b>	<b>32.2</b>	<b>6.4</b>	<b>13.6</b>	<b>16.8</b>	<b>100.0</b>
Primary products	65.6	1.4	15.3	6.5	3.7	7.4	100.0
Manufactures	6.6	31.3	14.5	7.5	18.7	21.4	100.0
Services	3.2	1.4	80.3	3.7	3.7	7.8	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

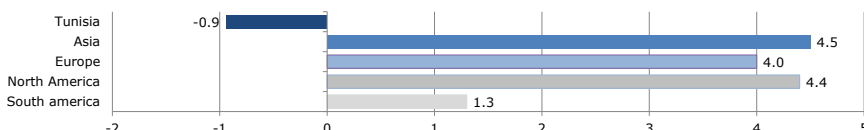
(% share in total gross exports)

## Regional averages

	Tunisia	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>52.2</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	15.4	20.0	21.2	22.0	23.5
Backward participation	36.8	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	17.7
2. Mining (energy products)	8.3
3. Land transport	6.9

## Top exporters of Tunisia inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. France	25.9
2. Italy	17.5
3. Germany	9.5

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Textiles and clothing	21.2
2. Computer/electronic products	11.3
3. Motor vehicles	9.7

## Top foreign inputs providers

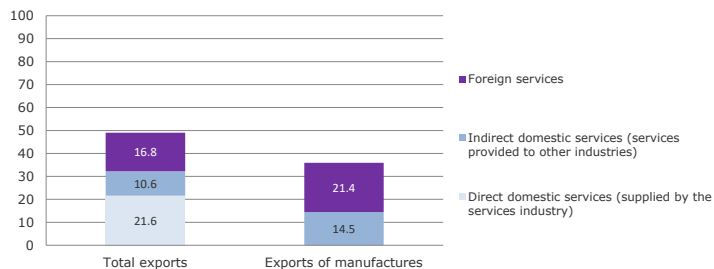
(% share in total foreign content of exports)

1. France	12.0
2. Italy	12.0
3. China	9.1

Source: WTO calculations based on the OECD TIVA database.

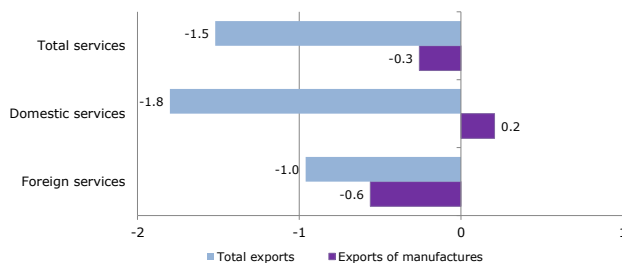
The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



Evolution of the services VA content of exports, 2010-2018

(annual % change)



Services VA contribution to total exports, 2018

Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	15.6
2. Land transport	5.4
3. Financial services	4.6

Top foreign services providers to total exports

(% share in total gross exports)

1. France	2.6
2. Italy	2.5
3. China	1.3

Services VA contribution to exports of manufactures, 2018

Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	12.8
2. Financial services	3.8
3. Land transport	3.7

Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. France	3.4
2. Italy	3.1
3. China	1.8

Source: WTO calculations based on the OECD TIVA database.

TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

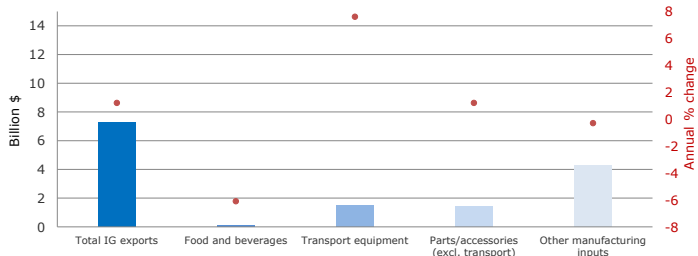
Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods (2019)	7	50.0	1.2
Commercial services (2019)	0.4	8.7	-3.0
<b>Imports of intermediate</b>			
Goods (2019)	13	70.0	-0.2
Commercial services (2019)	0.1	4.1	-5.8

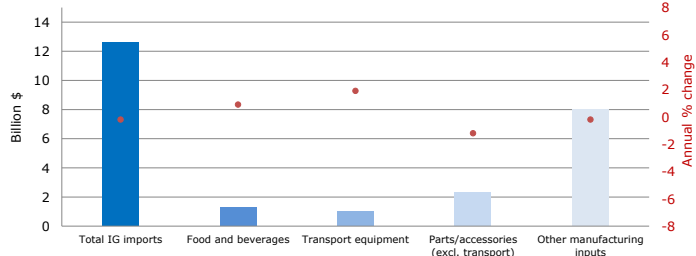
Exports of intermediate goods (IG), by main category

(2019 billion \$, 2010-2019 annual % change)



Imports of intermediate goods (IG), by main category

(2019 billion \$, 2010-2019 annual % change)



Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. France (2019)	2	29.7
2. Germany (2019)	1	16.6
3. Italy (2019)	1	14.0

Top origins of imports of intermediate goods

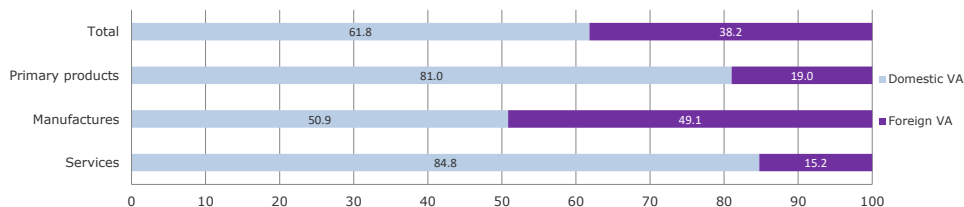
(Billion \$ and %)

	2020	2020 share in total
1. Italy (2019)	2	16.3
2. France (2019)	2	15.4
3. China (2019)	1	10.0

Sources: UN Comtrade database and WTO Stats database.

Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

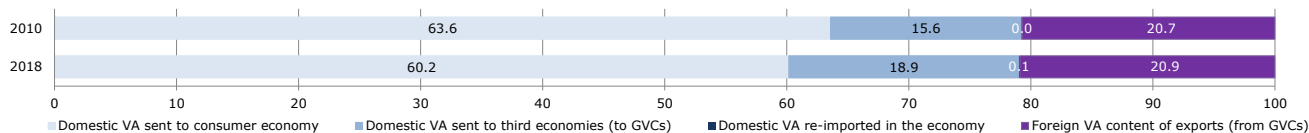


Source: WTO calculations based on the OECD TIVA database.

## VALUE ADDED CONTENT OF GROSS EXPORTS

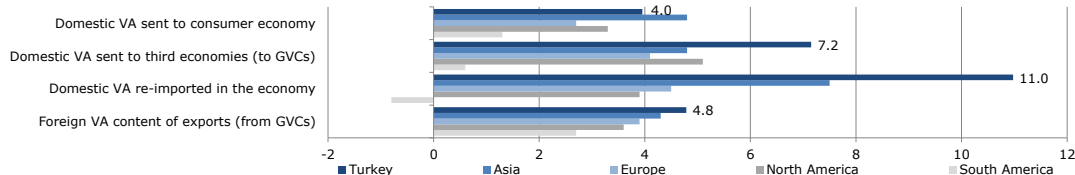
## The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



## Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



## Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Textiles and clothing	81.1	18.9	100.0
2. Wholesale and retail trade	91.9	8.1	100.0
3. Motor vehicles	68.4	31.6	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Textiles and clothing	9.9	2.3
2. Wholesale and retail trade	10.7	0.9
3. Motor vehicles	6.6	3.0

## Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Germany	81.1	18.9	100.0
2. United States	76.7	23.3	100.0
3. Italy	77.6	22.4	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Germany	8.4	2.0
2. United States	5.0	1.5
3. Italy	4.5	1.3

## Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

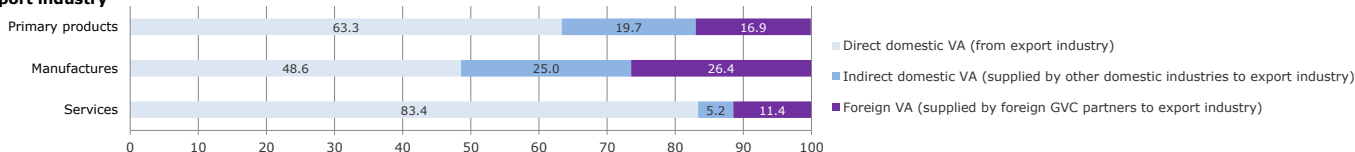
## Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>5.7</b>	<b>31.3</b>	<b>42.1</b>	<b>5.2</b>	<b>7.3</b>	<b>8.4</b>	<b>100.0</b>
Primary products	63.3	4.7	15.0	5.8	5.0	6.2	100.0
Manufactures	4.2	48.6	20.8	6.0	9.9	10.6	100.0
Services	1.3	3.8	83.4	3.5	3.0	4.9	100.0

## Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

## Export industry



Source: WTO calculations based on the OECD TIVA database.

## PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

## GVC participation index, 2018

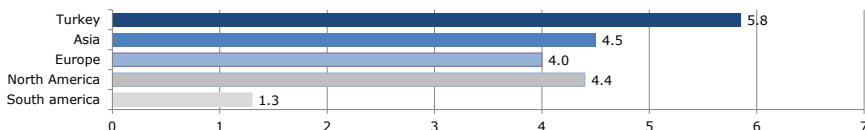
(% share in total gross exports)

## Regional averages

	Turkey	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>39.8</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	18.9	20.0	21.2	22.0	23.5
Backward participation	20.9	24.4	27.6	15.8	13.0

## Evolution of total GVC participation, 2010-2018

(annual % change)



## Forward GVC participation, 2018

## Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	15.5
2. Basic metals	11.7
3. Land transport	6.5

## Top exporters of Turkey inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Germany	11.8
2. Italy	8.0
3. France	5.1

## Backward GVC participation, 2018

## Top GVC-importing industries

(% share in total foreign content of exports)

1. Motor vehicles	14.5
2. Textiles and clothing	11.0
3. Basic metals	10.0

## Top foreign inputs providers

(% share in total foreign content of exports)

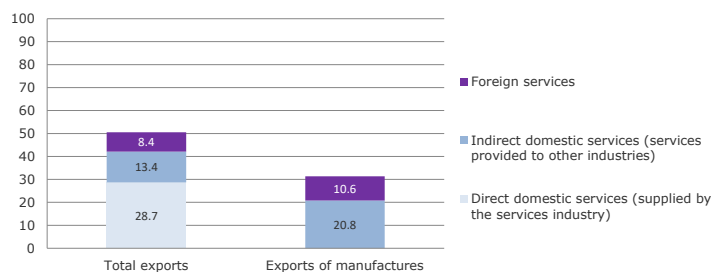
1. Russian Federation	10.2
2. Germany	8.0
3. China	8.0

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

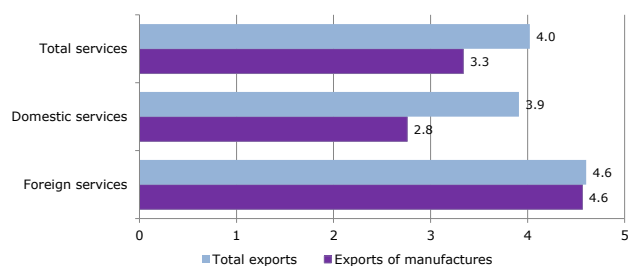
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	16.2
2. Land transport	5.9
3. Financial services	3.3

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Germany	0.8
2. Russian Federation	0.8
3. United States	0.8

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	10.4
2. Land transport	3.7
3. Financial services	2.4

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Germany	1.1
2. United States	0.9
3. China	0.9

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

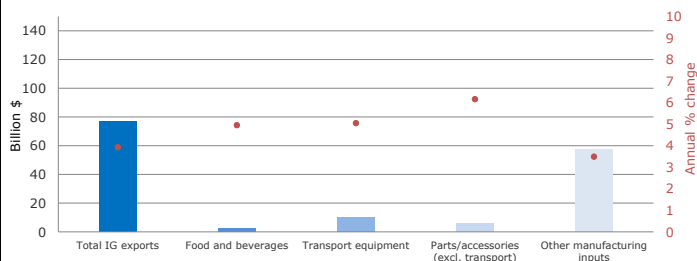
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	77	46.4	3.9
Commercial services	5	14.0	20.9
<b>Imports of intermediate</b>			
Goods	135	64.6	3.7
Commercial services	7	28.0	13.7

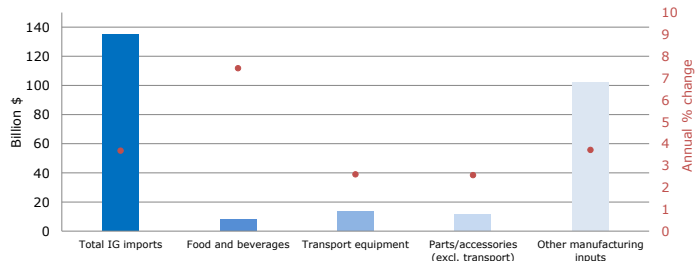
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Germany	7	8.8
2. United States	5	6.6
3. United Kingdom	5	6.0

### Top origins of imports of intermediate goods

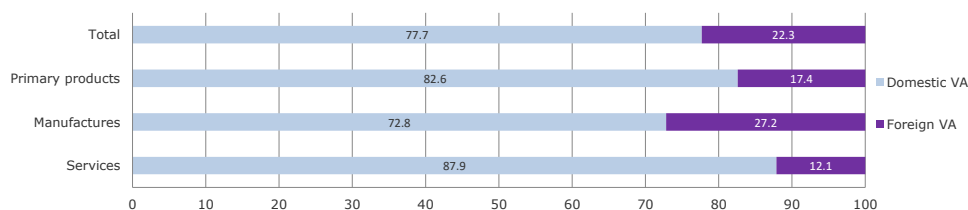
(Billion \$ and %)

	2020	2020 share in total
1. Germany	12	8.7
2. China	11	8.3
3. Russian Federation	9	6.8

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

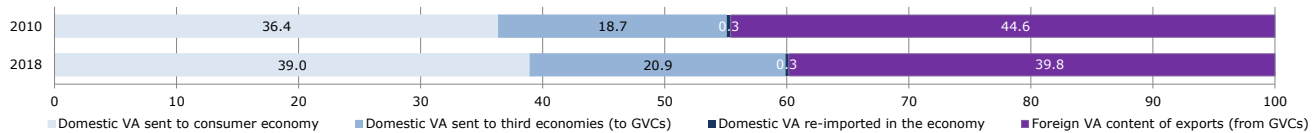


Source: WTO calculations based on the OECD TIVA database.

### VALUE ADDED CONTENT OF GROSS EXPORTS

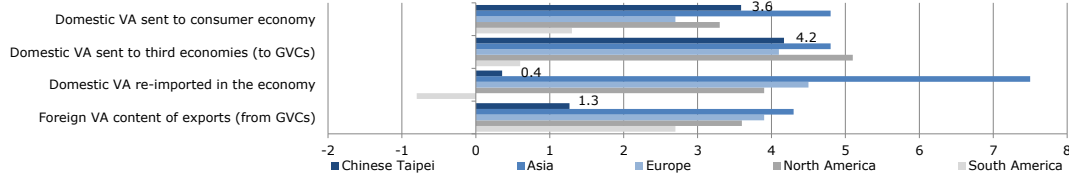
#### The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



#### Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



#### Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Computer/electronic prod.	59.0	41.0	100.0
2. Chemical products	43.2	56.8	100.0
3. Wholesale and retail trade	90.6	9.4	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Computer/electronic prod.	23.7	16.5
2. Chemical products	4.0	5.3
3. Wholesale and retail trade	6.9	0.7

#### Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	59.7	40.3	100.0
2. United States	62.1	37.9	100.0
3. Japan	63.2	36.8	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. China	22.1	14.9
2. United States	6.9	4.2
3. Japan	4.4	2.6

#### Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

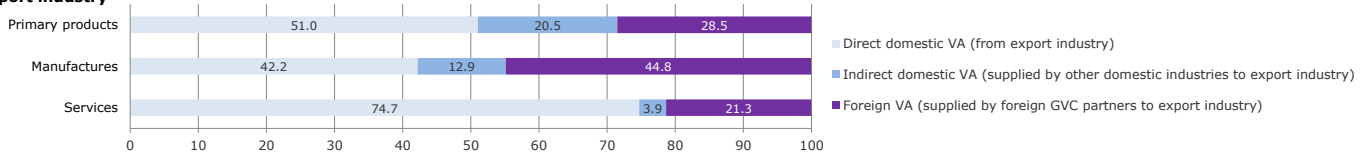
##### Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>0.5</b>	<b>33.9</b>	<b>25.7</b>	<b>9.2</b>	<b>14.7</b>	<b>15.9</b>	<b>100.0</b>
Primary products	51.0	7.3	13.2	12.4	6.7	9.4	100.0
Manufactures	0.4	42.2	12.6	10.1	17.6	17.2	100.0
Services	0.2	3.8	74.7	5.9	4.3	11.1	100.0

#### Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

##### Export industry



Source: WTO calculations based on the OECD TIVA database.

### PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

#### GVC participation index, 2018

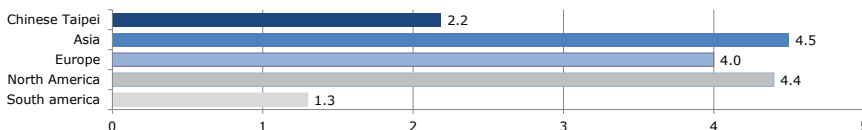
(% share in total gross exports)

##### Regional averages

	Chinese Taipei	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>60.8</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	20.9	20.0	21.2	22.0	23.5
Backward participation	39.8	24.4	27.6	15.8	13.0

#### Evolution of total GVC participation, 2010-2018

(annual % change)



#### Forward GVC participation, 2018

##### Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Computer/electronic prod.	33.9
2. Wholesale and retail trade	18.0
3. Chemical products	6.0

##### Top exporters of Chinese Taipei inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	33.5
2. Singapore	7.9
3. Korea, Republic of	6.6

#### Backward GVC participation, 2018

##### Top GVC-importing industries

(% share in total foreign content of exports)

1. Computer/electronic products	41.3
2. Chemical products	13.2
3. Other machinery and equipment	5.8

##### Top foreign inputs providers

(% share in total foreign content of exports)

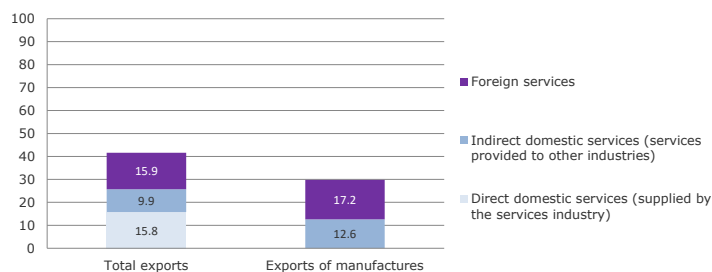
1. China	15.9
2. Japan	15.0
3. United States	12.5

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

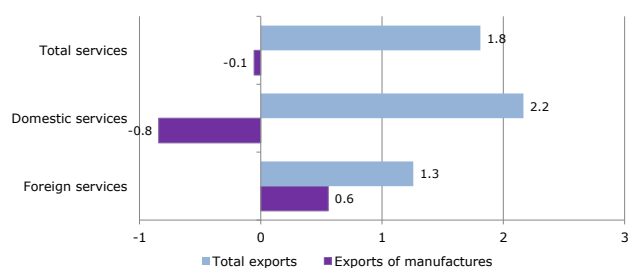
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	16.3
2. Financial services	4.2
3. Scientific/technical activities	3.5

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Japan	2.8
2. United States	2.7
3. China	2.5

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	11.9
2. Financial services	3.1
3. Admin./support activities	2.5

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. Japan	3.0
2. China	2.9
3. United States	2.8

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

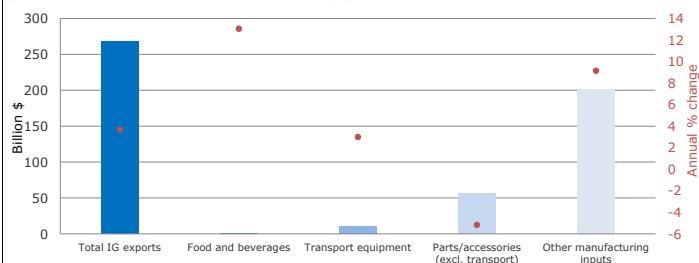
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	268	78.5	3.7
Commercial services	17	41.1	11.1
<b>Imports of intermediate</b>			
Goods	176	68.4	2.2
Commercial services	14	36.5	1.9

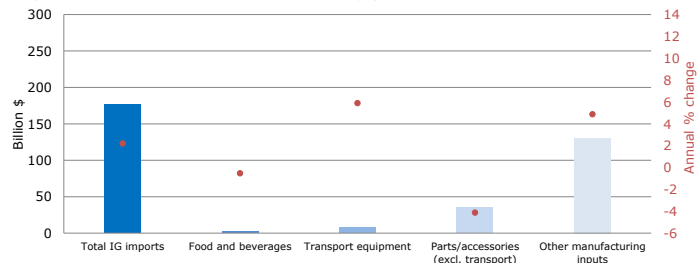
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	87	32.4
2. Hong Kong, China	45	16.7
3. United States	26	9.6

### Top origins of imports of intermediate goods

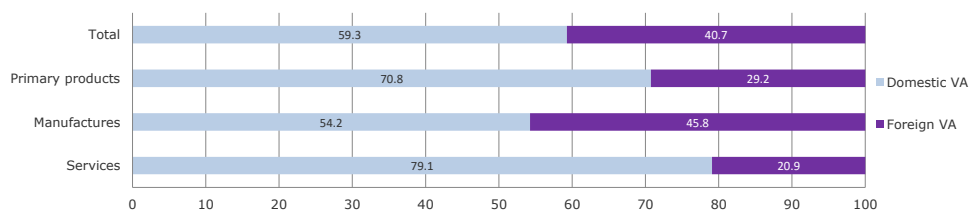
(Billion \$ and %)

	2020	2020 share in total
1. China	44	24.7
2. Japan	32	17.9
3. United States	19	10.7

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

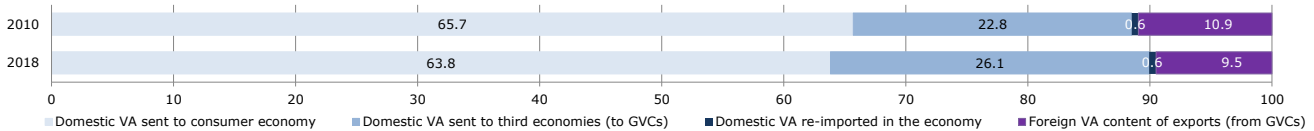


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

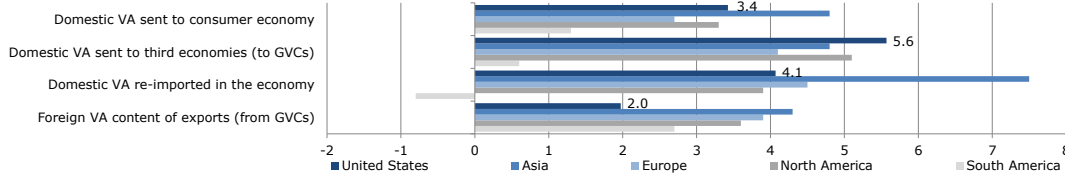
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Wholesale and retail trade	95.9	4.1	100.0
2. Financial services	97.1	2.9	100.0
3. Scientific/technical activities	96.7	3.3	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Wholesale and retail trade	12.9	0.5
2. Financial services	6.7	0.2
3. Scientific/technical activities	6.3	0.2

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. Canada	88.3	11.7	100.0
2. Mexico	86.9	13.1	100.0
3. China	91.0	9.0	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
1. Canada	11.1	1.5
2. Mexico	9.2	1.4
3. China	9.3	0.9

Domestic and foreign sectoral VA contribution to gross exports, 2018

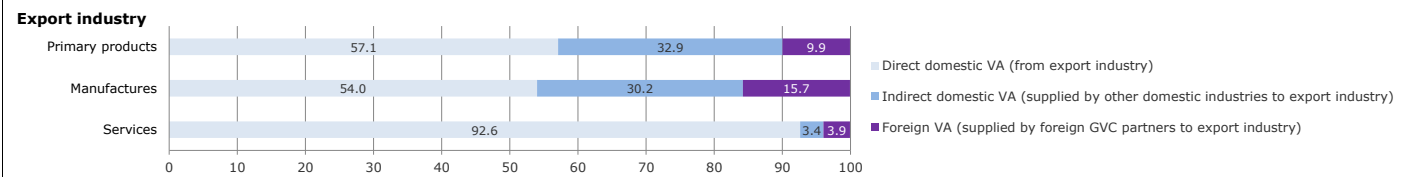
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>5.5</b>	<b>25.3</b>	<b>59.7</b>	<b>2.1</b>	<b>3.3</b>	<b>4.1</b>	<b>100.0</b>
Primary products	57.1	6.2	26.7	3.7	2.5	3.8	100.0
Manufactures	3.6	54.0	26.6	3.6	6.0	6.2	100.0
Services	0.6	2.8	92.6	0.7	1.1	2.2	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

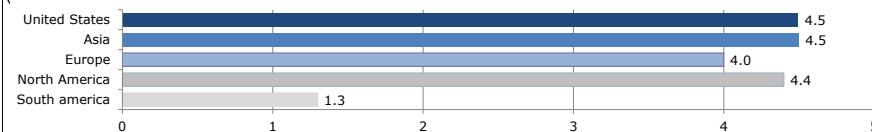
(% share in total gross exports)

Regional averages

	United States	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>35.6</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	26.1	20.0	21.2	22.0	23.5
Backward participation	9.5	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Wholesale and retail trade	12.9
2. Scientific/technical activities	12.4
3. Financial services	9.8

Top exporters of United States inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mexico	11.3
2. Canada	10.9
3. Ireland	8.1

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Petroleum products	12.8
2. Motor vehicles	12.3
3. Other transport equipment	8.6

Top foreign inputs providers

(% share in total foreign content of exports)

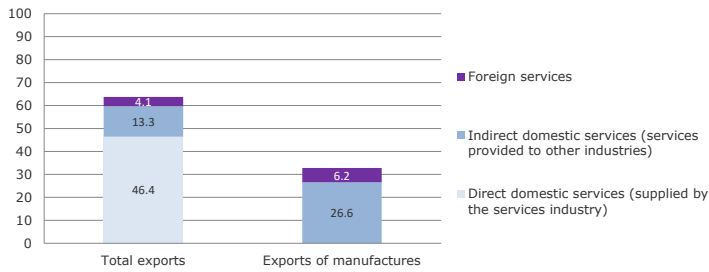
1. China	14.4
2. Canada	13.4
3. Mexico	8.9

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

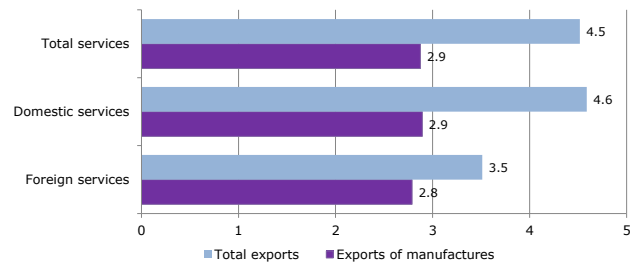
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	13.7
2. Scientific/technical activities	10.8
3. Financial services	8.1

#### Top foreign services providers to total exports

(% share in total gross exports)

1. Canada	0.5
2. China	0.5
3. Mexico	0.4

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	9.8
2. Scientific/technical activities	6.4
3. Admin./support activities	2.7

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	0.9
2. Canada	0.9
3. Mexico	0.7

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

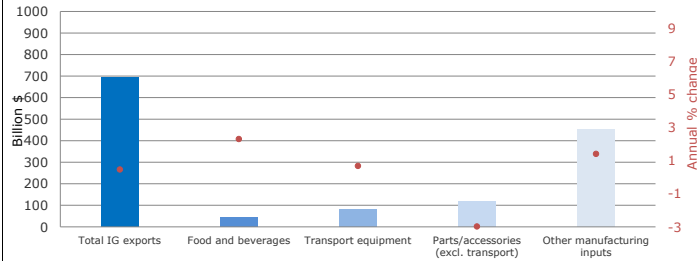
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	696	54.4	0.5
Commercial services	240	35.1	6.6
<b>Imports of intermediate</b>			
Goods	912	40.0	3.4
Commercial services	156	35.9	5.1

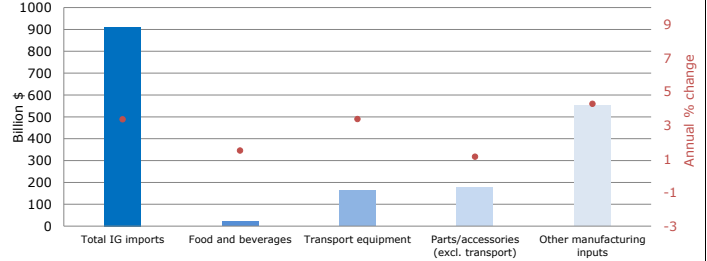
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. Mexico	134	19.2
2. Canada	109	15.7
3. China	74	10.6

### Top origins of imports of intermediate goods

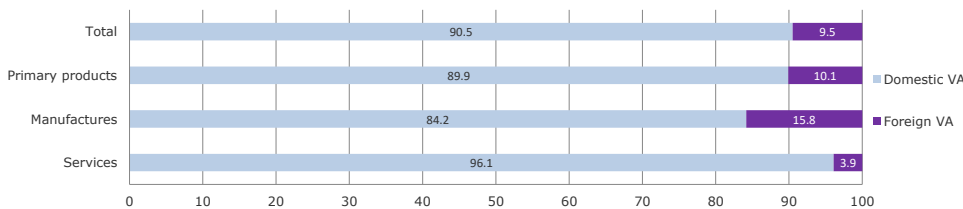
(Billion \$ and %)

	2020	2020 share in total
1. China	123	13.5
2. Mexico	118	13.0
3. Canada	107	11.7

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



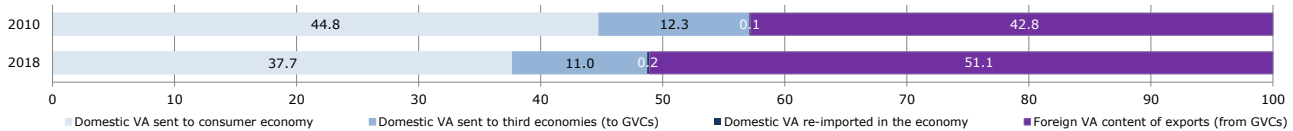
Source: WTO calculations based on the OECD TIVA database.



VALUE ADDED CONTENT OF GROSS EXPORTS

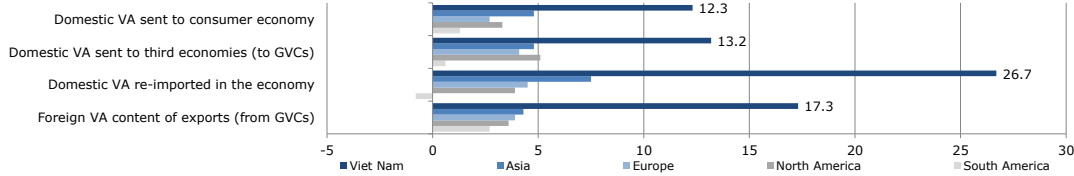
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

(% share in economy total gross exports)

	(% share in industry total gross exports)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. Textiles and clothing	42.4	57.6	100.0	9.4	12.8
2. Mining (energy products)	53.6	46.4	100.0	6.2	5.4
3. Computer/electronic prod.	37.1	62.9	100.0	3.6	6.1

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

(% share in economy total gross exports)

	(% share in total gross exports to partner)			(% share in economy total gross exports)	
	Domestic VA	Foreign VA	Total	Domestic VA	Foreign VA
1. China	49.5	50.5	100.0	9.8	10.0
2. United States	47.9	52.1	100.0	8.6	9.4
3. Japan	47.6	52.4	100.0	4.3	4.7

Domestic and foreign sectoral VA contribution to gross exports, 2018

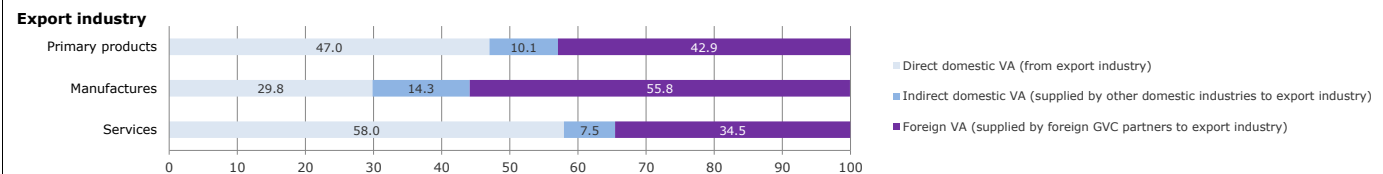
(% share in industry total gross exports)

Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>12.9</b>	<b>22.3</b>	<b>13.7</b>	<b>10.3</b>	<b>21.2</b>	<b>19.6</b>	<b>100.0</b>
Primary products	47.0	4.0	6.1	12.6	15.6	14.7	100.0
Manufactures	6.0	29.8	8.3	9.7	24.4	21.8	100.0
Services	3.0	4.5	58.0	10.3	10.6	13.6	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

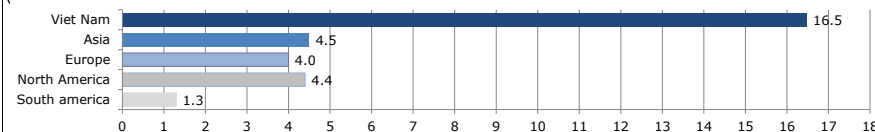
(% share in total gross exports)

Regional averages

	Viet Nam	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>62.1</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	11.0	20.0	21.2	22.0	23.5
Backward participation	51.1	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (energy products)	21.6
2. Wholesale and retail trade	10.6
3. Agriculture	7.9

Top exporters of Viet Nam inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. China	21.0
2. Korea, Republic of	9.8
3. Thailand	7.8

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Textiles and clothing	25.1
2. Computer/electronic products	11.9
3. Mining (energy products)	10.6

Top foreign inputs providers

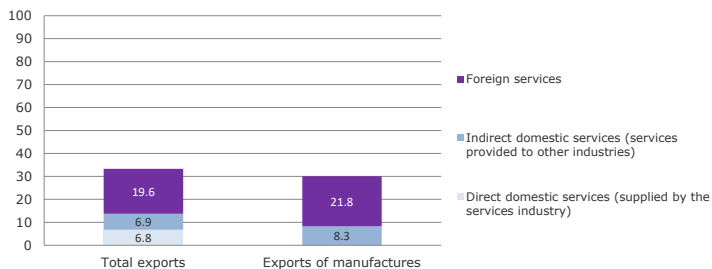
(% share in total foreign content of exports)

1. China	28.2
2. Korea, Republic of	10.9
3. Japan	7.2

Source: WTO calculations based on the OECD TIVA database.

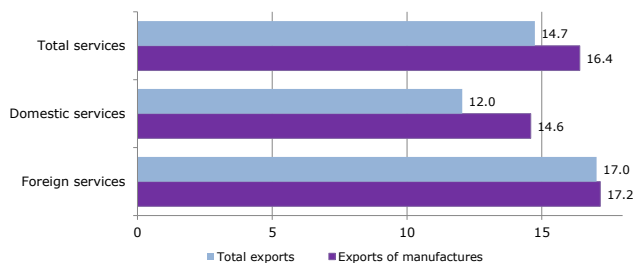
The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



Evolution of the services VA content of exports, 2010-2018

(annual % change)



Services VA contribution to total exports, 2018

Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	13.2
2. Financial services	3.2
3. Land transport	2.5

Top foreign services providers to total exports

(% share in total gross exports)

1. China	5.4
2. Korea, Republic of	1.9
3. United States	1.9

Services VA contribution to exports of manufactures, 2018

Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	12.1
2. Financial services	3.1
3. Electricity/gas supply	2.5

Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	6.5
2. Korea, Republic of	2.2
3. United States	2.1

Source: WTO calculations based on the OECD TIVA database.

TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

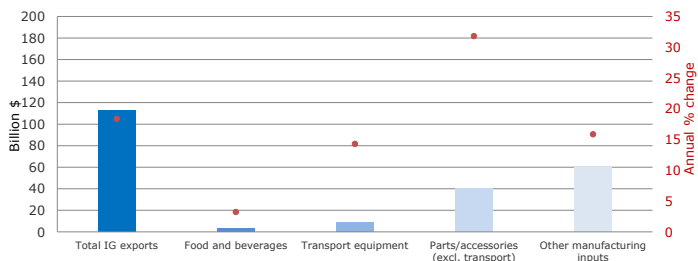
Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	112	40.3	18.4
Commercial services	1	3.9	15.3
<b>Imports of intermediate</b>			
Goods	192	77.0	13.2
Commercial services	1	2.9	1.9

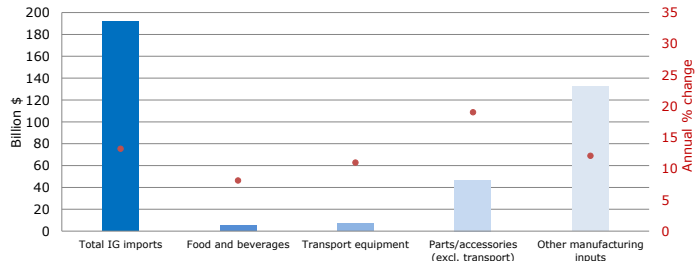
Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	36	32.0
2. United States	16	13.9
3. Korea, Republic of	9	8.4

Top origins of imports of intermediate goods

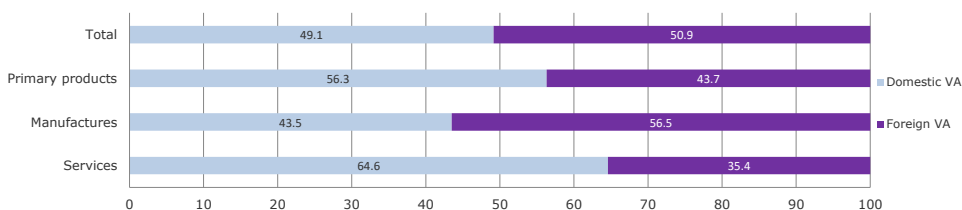
(Billion \$ and %)

	2020	2020 share in total
1. China	62	32.5
2. Korea, Republic of	40	20.7
3. Japan	16	8.3

Sources: UN Comtrade database and WTO Stats database.

Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)

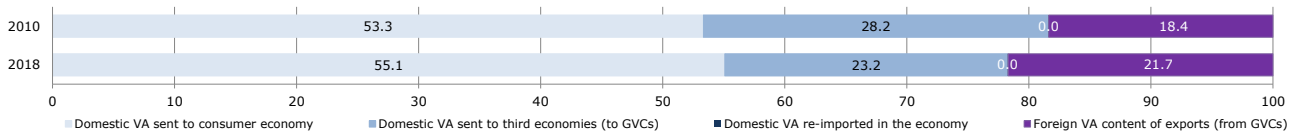


Source: WTO calculations based on the OECD TIVA database.

VALUE ADDED CONTENT OF GROSS EXPORTS

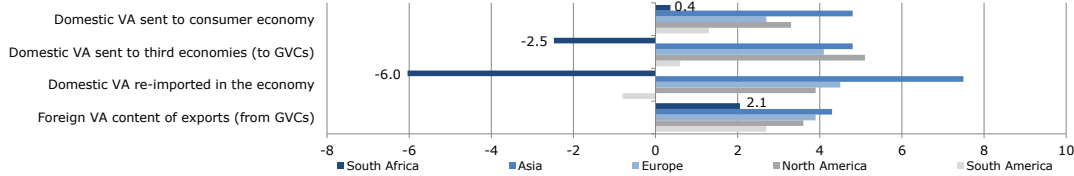
The value added (VA) components of gross exports, 2010 and 2018

(% share in total gross exports)



Evolution of the VA components of gross exports, 2010 -2018

(annual % change)



Top export industries - Domestic and foreign VA content of exports, 2018

(% share in industry total gross exports)

	Domestic VA	Foreign VA	Total
1. Mining (non-energy prod.)	80.3	19.7	100.0
2. Wholesale and retail trade	89.5	10.5	100.0
3. Basic metals	74.6	25.4	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	20.4	5.0
	7.3	0.9
	5.0	1.7

Top export destinations - Domestic and foreign VA content of exports, 2018

(% share in total gross exports to partner)

	Domestic VA	Foreign VA	Total
1. China	80.3	19.7	100.0
2. Japan	79.7	20.3	100.0
3. United States	79.1	20.9	100.0

(% share in economy total gross exports)

	Domestic VA	Foreign VA
	12.8	3.1
	11.1	2.8
	5.1	1.3

Domestic and foreign sectoral VA contribution to gross exports, 2018

(% share in industry total gross exports)

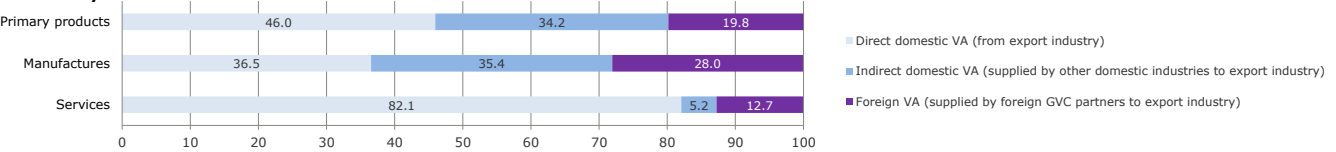
Value added origin

Export industry	Domestic			Foreign			Total
	Primary products	Manufactures	Services	Primary products	Manufactures	Services	
<b>Total</b>	<b>19.1</b>	<b>18.4</b>	<b>40.8</b>	<b>5.8</b>	<b>7.4</b>	<b>8.5</b>	<b>100.0</b>
Primary products	46.0	5.7	28.6	4.7	7.2	8.0	100.0
Manufactures	7.3	36.5	28.1	8.2	9.4	10.5	100.0
Services	0.9	4.2	82.1	3.0	4.0	5.7	100.0

Direct, indirect and foreign VA contents in gross exports, 2018

(% share in industry total gross exports)

Export industry



Source: WTO calculations based on the OECD TIVA database.

PARTICIPATION IN GLOBAL VALUE CHAINS (GVCs)

GVC participation index, 2018

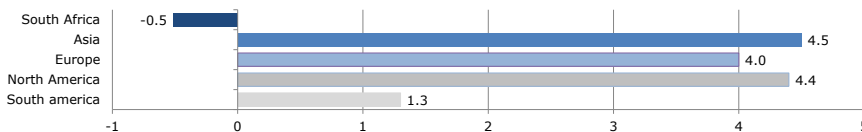
(% share in total gross exports)

Regional averages

	South Africa	Asia	Europe	North America	South America
<b>Total GVC participation</b>	<b>44.9</b>	<b>44.4</b>	<b>48.8</b>	<b>37.8</b>	<b>36.5</b>
Forward participation	23.2	20.0	21.2	22.0	23.5
Backward participation	21.7	24.4	27.6	15.8	13.0

Evolution of total GVC participation, 2010-2018

(annual % change)



Forward GVC participation, 2018

Top export industries to GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Mining (non-energy prod.)	27.2
2. Wholesale and retail trade	13.2
3. Mining (energy products)	5.4

Top exporters of South Africa inputs through GVCs

(% share in total exports of domestic inputs sent to third economies)

1. Japan	17.4
2. China	13.5
3. Germany	8.2

Backward GVC participation, 2018

Top GVC-importing industries

(% share in total foreign content of exports)

1. Mining (non-energy products)	23.1
2. Petroleum products	9.0
3. Motor vehicles	8.9

Top foreign inputs providers

(% share in total foreign content of exports)

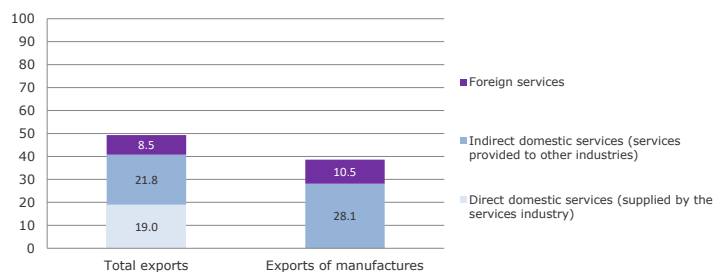
1. China	14.3
2. Saudi Arabia, Kingdom of	8.4
3. United States	8.1

Source: WTO calculations based on the OECD TIVA database.

## ROLE OF SERVICES VALUE ADDED IN EXPORTS

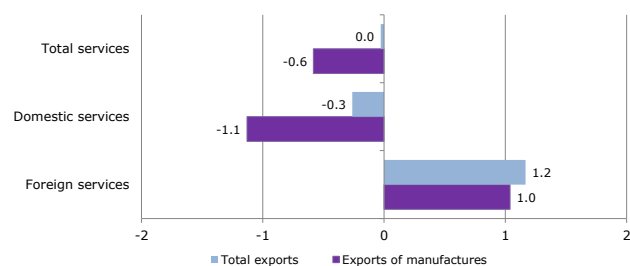
### The services VA content of exports, by origin, 2018

(% shares in total and manufactures exports)



### Evolution of the services VA content of exports, 2010-2018

(annual % change)



### Services VA contribution to total exports, 2018

#### Top services industries contributing to total exports

(% share in total gross exports)

1. Wholesale and retail trade	14.1
2. Financial services	5.1
3. Land transport	4.2

#### Top foreign services providers to total exports

(% share in total gross exports)

1. China	1.2
2. United States	1.0
3. Germany	0.7

### Services VA contribution to exports of manufactures, 2018

#### Top services industries contributing to exports of manufactures

(% share in gross exports of manufactures)

1. Wholesale and retail trade	11.5
2. Scientific/technical activities	3.4
3. Financial services	3.3

#### Top foreign services providers to exports of manufactures

(% share in gross exports of manufactures)

1. China	1.5
2. United States	1.2
3. Germany	0.9

Source: WTO calculations based on the OECD TIVA database.

## TRADE IN INTERMEDIATE PRODUCTS (EXCLUDING FUELS)

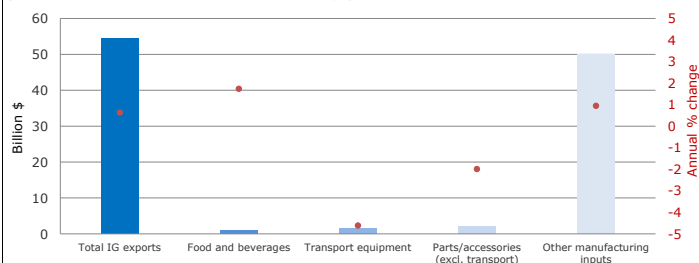
### Trade in intermediate goods and commercial services

(Billion \$, %, annual % change)

	2020	2020 share in total	2010-2020 growth
<b>Exports of intermediate</b>			
Goods	55	69.4	0.6
Commercial services	2	29.3	0.0
<b>Imports of intermediate</b>			
Goods	28	46.5	-0.8
Commercial services	3	27.6	-3.5

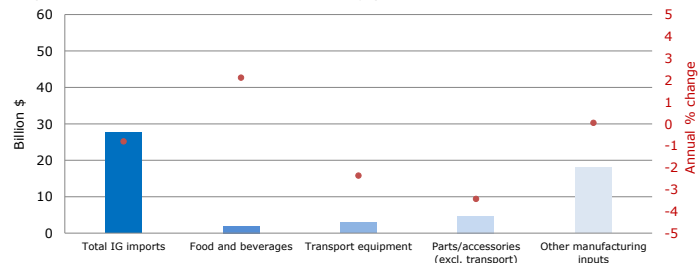
### Exports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Imports of intermediate goods (IG), by main category

(2020 billion \$, 2010-2020 annual % change)



### Top destinations of exports of intermediate goods

(Billion \$ and %)

	2020	2020 share in total
1. China	9	17.1
2. United States	6	10.2
3. Japan	3	6.2

### Top origins of imports of intermediate goods

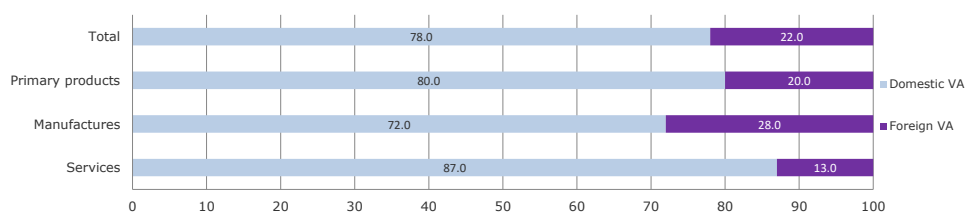
(Billion \$ and %)

	2020	2020 share in total
1. China	6	20.3
2. Germany	2	9.0
3. United States	2	8.2

Sources: UN Comtrade database and WTO Stats database.

### Domestic and foreign VA content in exports of intermediate products, 2018

(% share in industry exports of intermediates)



Source: WTO calculations based on the OECD TIVA database.