

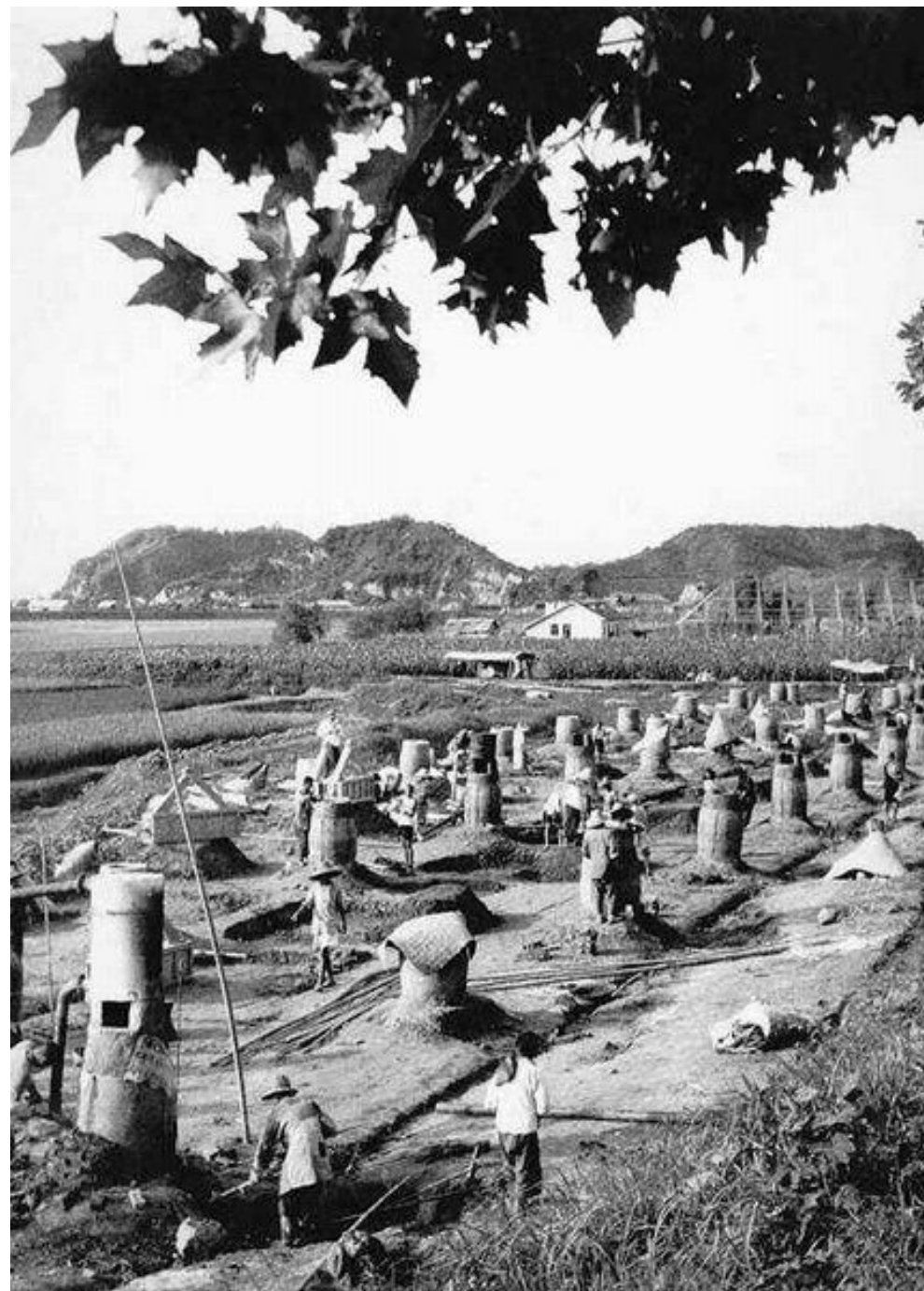
# Evropská ekonomika ve 21. století

Evropa ve světové ekonomice

2022

# Komunistická Čína

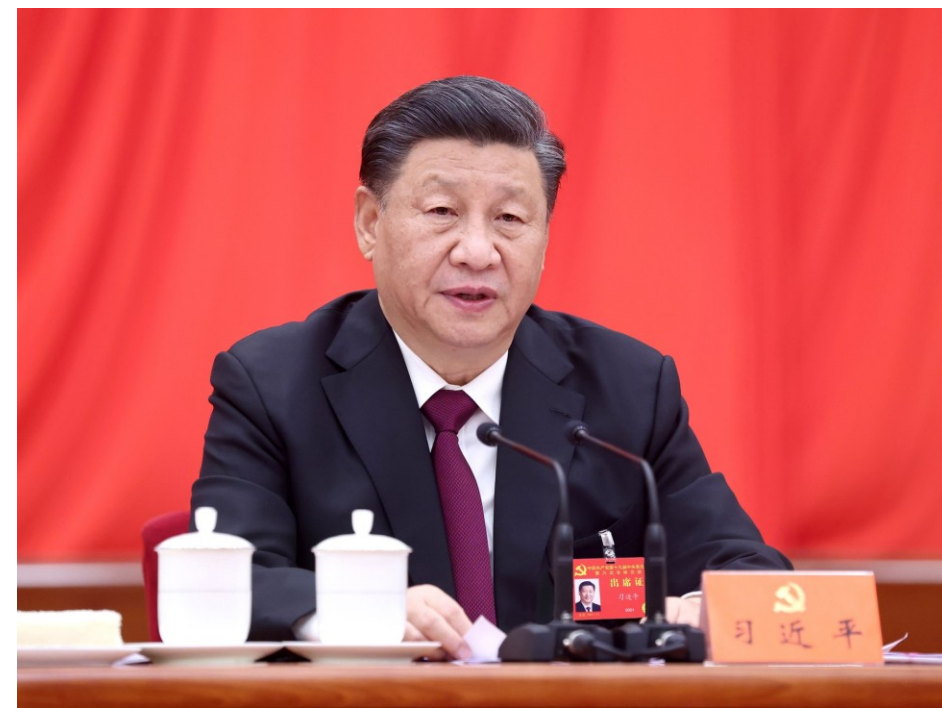
- Radikální rozchod s **hodnotami a institucemi**;
- **Malý skok kupředu** (1949-1957): kolektivizace, obilní monopol a omezení pohybu;
- **Velký skok kupředu** (1958-1962): komuny (produkce železa), hladomor;
- Oslabení Mao Ce-tunga (1959) - ultralevicová klika a **Kulturní revoluce** 1966-69, 1976 (vyčištění od kontrarevoluce – rozklad);
- **Reformy** Teng Siao-pching 1978:
  - **decentralizovaná ekonomika**; **rodinné farmy**, **lokální management** průmyslu, **soukromé SME** podniky;
  - **socialistický princip** – kolektivní vlastnictví **velkých podniků** (zisk); cíl **socialismu** – eliminace chudoby; investice z **státních bank** do průmyslu a ELG;
- Od 2000 **zvláštní ekonomické zóny** (tržní ekonomika);
- V 80.letech **růst** HDP 10%, v 90. letech 7,5%, po roce 2000 v průměru 9,5% (do 2015 růst 10%).







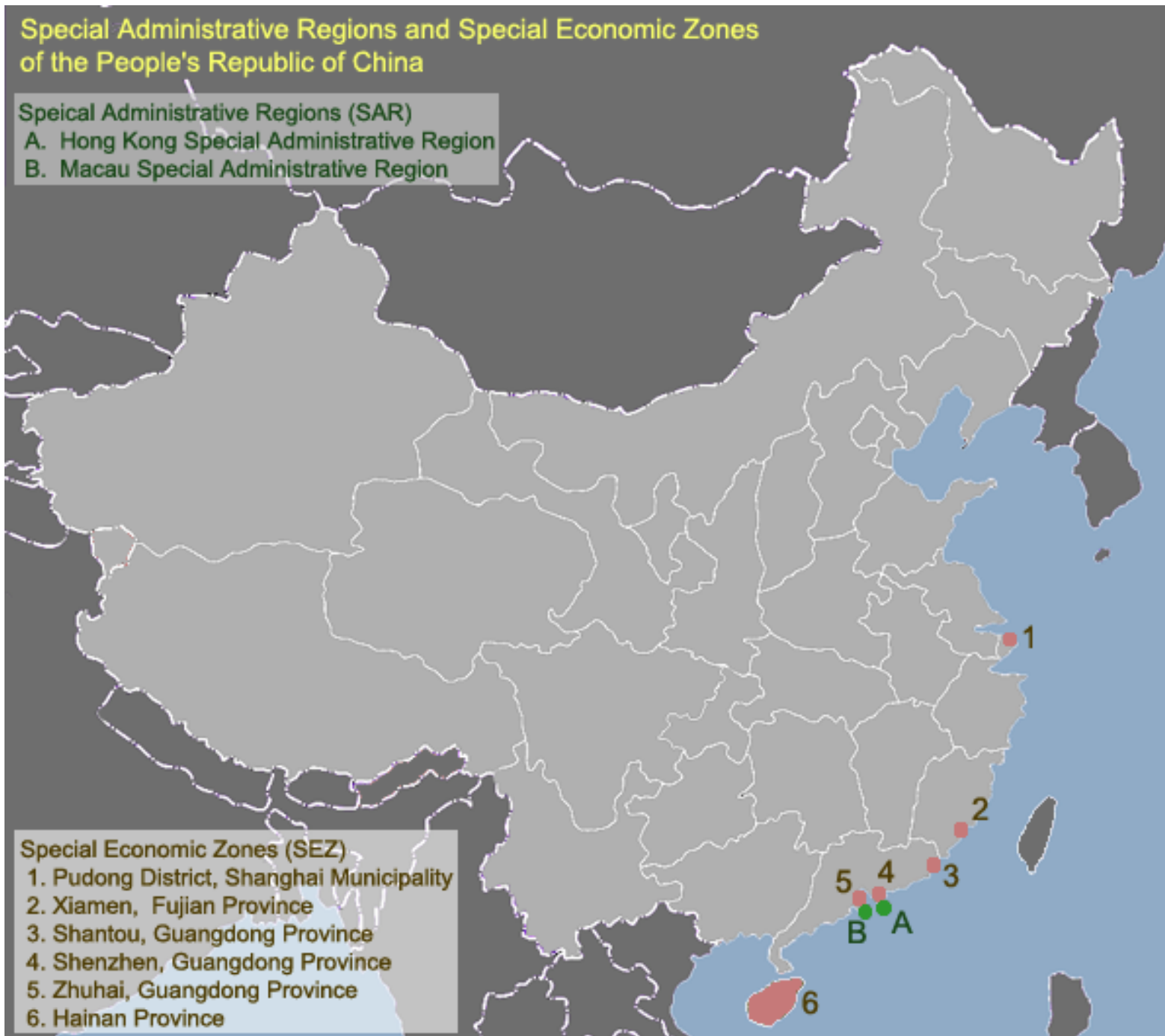
Mao Ce-tung (1943-1976)  
Teng Siao-pching (1978-1990)  
Ĵiang Ce-min (1993-2003)  
Chu Ťin-tchao (2003-2013)  
Si Ťin-pching (2013-)



## Special Administrative Regions and Special Economic Zones of the People's Republic of China

Special Administrative Regions (SAR)  
A. Hong Kong Special Administrative Region  
B. Macau Special Administrative Region

Special Economic Zones (SEZ)  
1. Pudong District, Shanghai Municipality  
2. Xiamen, Fujian Province  
3. Shantou, Guangdong Province  
4. Shenzhen, Guangdong Province  
5. Zhuhai, Guangdong Province  
6. Hainan Province

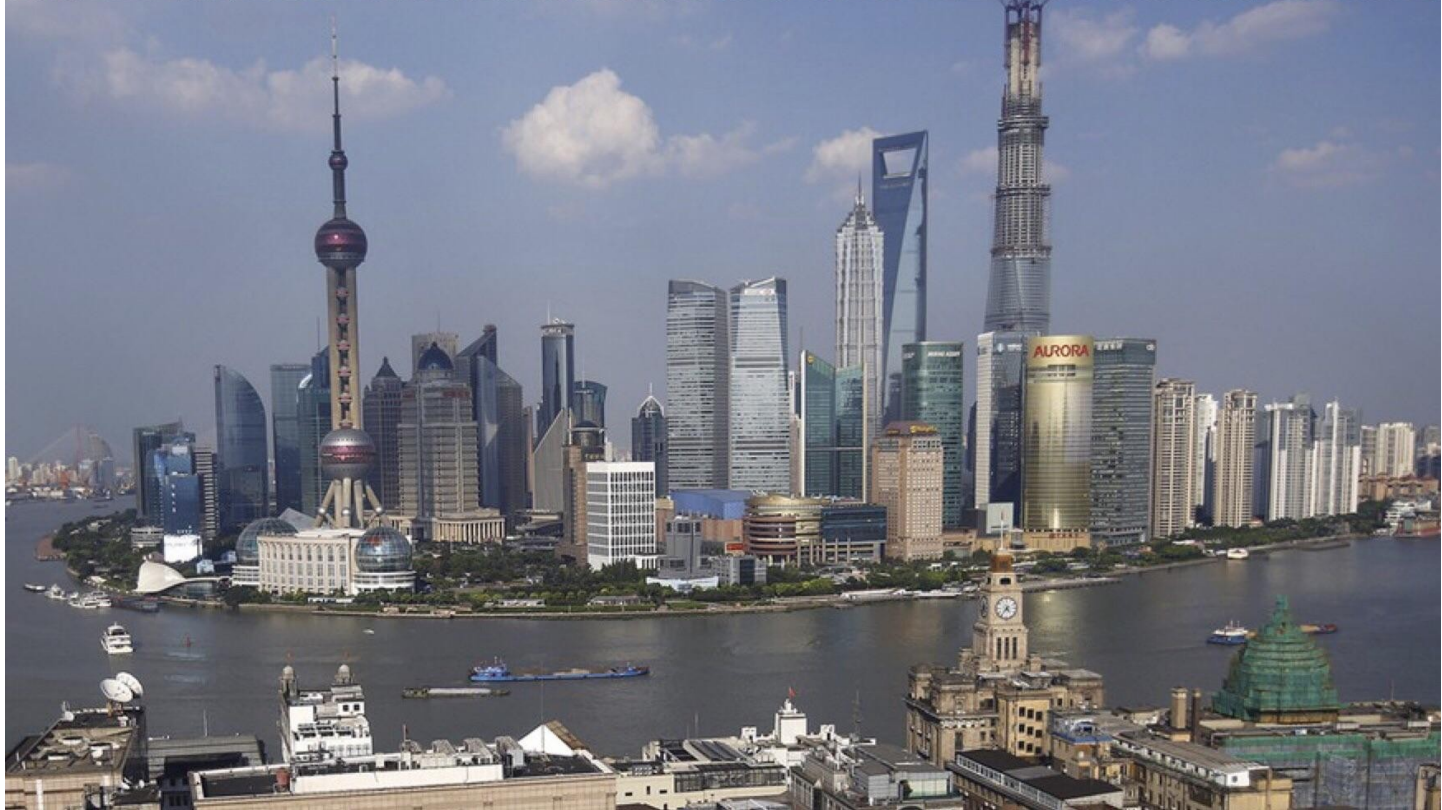




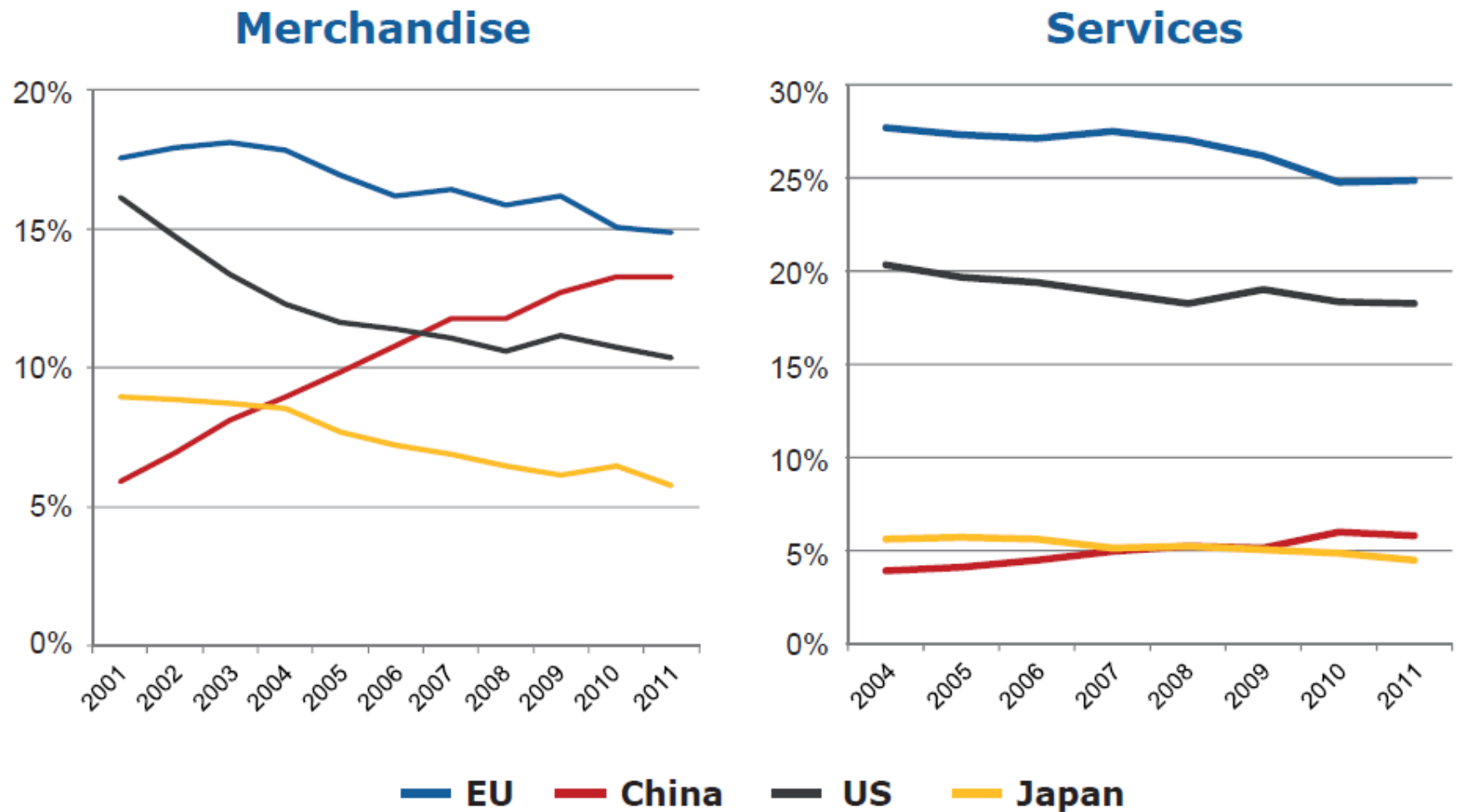
# Od reforem k exportu socialismu s čínskými charakteristikami

- **Teng Teng Siao-pching** (1978-1989): „hide your strength, bide your time, **never take the lead**“;
- **Ťiang Ce-min** (1993-2003): „...**moderately prosperous** country“;
- **Chu Ťin-tchao** (2003-2013): „**harmonická společnost**“ – reindustrializace a modernizace;
- **Si Ťin-pching** (2013-): prosperující společnost v 2021 (KSČ) a **plně rozvinutá země** v 2049 (ČLR); 13tý 5letý plán (2016-2020);
  - **vyčerpání catch-up growth** – státní podniky a banky, masivní investice do infrastruktury; exportem tažený růst;
  - **pozitivní zkušenost**: mobilizace kapitálu pro hospodářský rozvoj, investice do infrastruktury, operace státních podniků;
- **Problémy**: nerovnoměrný rozvoj; závislost na produkci pro světový trh; nízká přidaná hodnota; rostoucí mzdy; nadprodukce ve státem podporovaných sektorech (těžký průmysl a stavebnictví); rezervy zahraničních měn;
- **Go Global!; Belt and Road Initiative; Made in China 2025**;
- Připouští **rivalitu** se západem (USA bude blokovat Čínu) – **vývoz čínského modelu** „No strings attached“ ...





# Podíl na světových exportech



Source: WTO

## Export - market share (2005) and its change (1995-2005) (%)

	Market share	Change
<b>EU15</b>	<b>18,4</b>	<b>-1,77</b>
<b>EU25</b>	<b>19,5</b>	<b>-1,33</b>
<b>USA</b>	<b>13,0</b>	<b>-4,41</b>
Canada	4,2	-0,83
Mexico	2,7	0,62
<b>Japan</b>	<b>9,5</b>	<b>-4,12</b>
<b>China</b>	<b>14,1</b>	<b>8,37</b>
Korea	4,3	0,68
India	1,5	0,44
<b>ASEAN</b>	<b>8,7</b>	<b>0,13</b>
Russia	1,4	0,31
Brazil	1,7	0,31

Export by value; share of World exports.

# Share of total export on the **main markets** (2005); change in 1995–2005

		MARKETS					
		USA		Japan		China	
		share	change	share	change	share	change
A C T O R S	EU15	20,1	1,17	15,6	-2,32	13,5	-2,02
	EU25	20,8	1,53	16,1	-2,06	14,0	-1,82
	USA	/	/	16,3	-9,76	9,0	-1,28
	Canada	16,2	-2,74	1,9	-1,12	1,2	-1,31
	Mexico	10,6	2,29	0,6	0,22	0,3	0,17
	Japan	10,1	-8,06	/	/	16,6	-1,41
	China	16,1	10,46	28,8	16,70	/	/
	Korea	3,2	-0,43	6,0	-0,32	12,0	5,05
	India	1,4	0,52	0,6	-0,28	0,8	0,53
	ASEAN	7,3	-1,98	14,2	1,04	11,1	4,68
	Russia	0,5	-0,08	0,9	-0,72	1,5	-0,85
	Brazil	1,6	0,33	0,8	-0,30	1,0	0,06

## World export shares by technological level (2005) and its change (1995–2005)

	Total	H-T	M-T	L-T	R-B	P-P
<b>EU25</b>	<b>19,62</b>	<b>17,27</b>	<b>24,03</b>	<b>15,75</b>	<b>22,32</b>	<b>9,57</b>
change	-1,39	-0,57	-1,32	-3,29	-1,49	-0,84
<b>USA</b>	<b>13,03</b>	<b>14,32</b>	<b>14,65</b>	<b>8,08</b>	<b>11,31</b>	<b>16,17</b>
change	-4,35	-7,63	-3,07	-2,29	-3,65	-5,87
<b>Japan</b>	<b>9,50</b>	<b>9,51</b>	<b>15,42</b>	<b>4,75</b>	<b>4,93</b>	<b>0,68</b>
change	-4,08	-9,26	-5,16	-2,01	-0,58	0,13
<b>China</b>	<b>13,96</b>	<b>17,79</b>	<b>8,75</b>	<b>28,16</b>	<b>6,65</b>	<b>5,16</b>
change	8,20	13,94	5,53	11,55	3,40	1,03
<b>India</b>	<b>1,46</b>	<b>0,39</b>	<b>0,83</b>	<b>3,05</b>	<b>2,65</b>	<b>2,84</b>
change	0,43	0,18	0,42	0,68	1,11	0,44
<b>Russia</b>	<b>1,39</b>	<b>0,36</b>	<b>1,28</b>	<b>0,92</b>	<b>4,21</b>	<b>1,13</b>
change	0,36	0,18	0,60	0,35	0,92	-0,35
<b>Brazil</b>	<b>1,69</b>	<b>0,59</b>	<b>1,57</b>	<b>1,11</b>	<b>2,70</b>	<b>7,12</b>
change	0,32	0,36	0,42	-0,08	-0,05	3,69

# Export structure by technological level

(2005) and its change (1995-  
2005, %)

	H-T	M-T	L-T	R-B	P-P
<b>EU25</b>	<b>23,7</b>	<b>42,3</b>	<b>13,8</b>	<b>16,8</b>	<b>2,6</b>
change	3,4	1,5	-2,1	-1,5	-1,0
<b>USA</b>	<b>29,6</b>	<b>38,8</b>	<b>10,7</b>	<b>12,8</b>	<b>6,7</b>
change	-0,5	4,4	0,2	-1,1	-2,6
<b>Japan</b>	<b>27,0</b>	<b>56,1</b>	<b>8,6</b>	<b>7,7</b>	<b>0,4</b>
change	-0,6	4,8	-0,1	1,1	0,1
<b>Brazil</b>	<b>9,4</b>	<b>32,1</b>	<b>11,3</b>	<b>23,7</b>	<b>22,7</b>
change	5,4	3,6	-4,0	-8,8	4,4
<b>Russia</b>	<b>6,9</b>	<b>31,8</b>	<b>11,3</b>	<b>44,7</b>	<b>4,4</b>
change	2,7	9,4	1,6	-6,9	-6,1
<b>India</b>	<b>7,1</b>	<b>19,5</b>	<b>35,9</b>	<b>26,7</b>	<b>10,5</b>
change	2,3	6,1	-4,6	2,6	-6,6
<b>China</b>	<b>34,3</b>	<b>21,7</b>	<b>34,7</b>	<b>7,0</b>	<b>2,0</b>
change	18,4	2,7	-15,9	-2,1	-3,2
<b>World</b>	<b>26,9</b>	<b>34,5</b>	<b>17,2</b>	<b>14,8</b>	<b>5,4</b>
change	3,1	0,7	-0,3	-1,4	-1,9

World **export shares** by **market segments** (2004) and its change 1995–2004 (%)

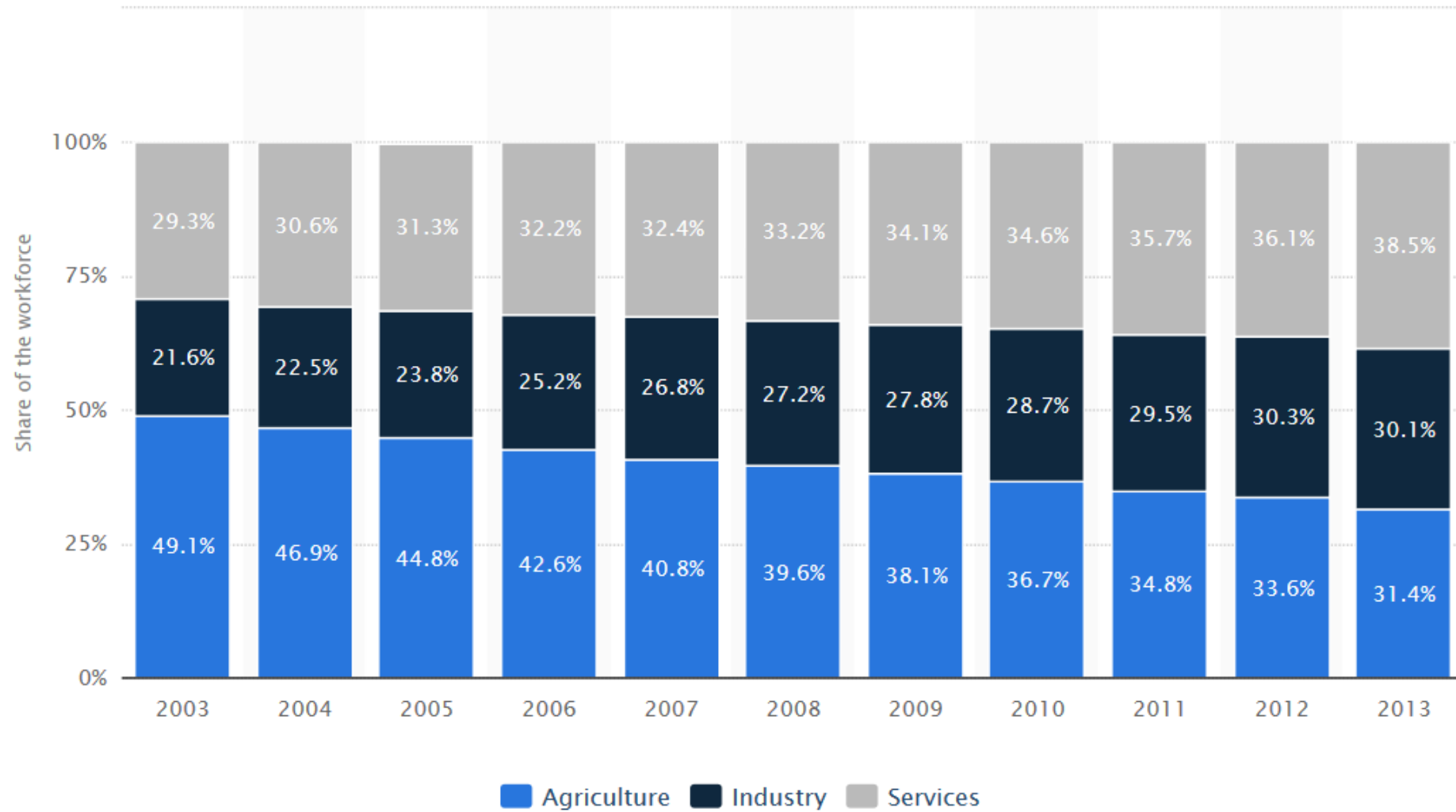
	Low segment		Mid segment		Up-market segment	
	2004	change	2004	change	2004	change
<b>EU25</b>	<b>15,3</b>	-2,27	<b>17,5</b>	-1,95	<b>30,0</b>	<i>0,40</i>
<b>Japan</b>	<b>7,2</b>	-2,55	<b>10,9</b>	<i>-5,74</i>	<b>14,1</b>	<i>-4,45</i>
Korea	<b>4,8</b>	0,20	<b>5,0</b>	1,38	<b>4,4</b>	0,47
India	<b>2,2</b>	0,82	<b>1,4</b>	0,42	<b>0,8</b>	0,36
Russia	<b>1,5</b>	0,45	<b>2,1</b>	0,58	<b>0,8</b>	0,47
<b>USA</b>	<b>12,1</b>	-4,42	<b>12,7</b>	<i>-4,11</i>	<b>14,4</b>	<i>-3,47</i>
Canada	<b>4,2</b>	-1,08	<b>5,0</b>	-0,68	<b>3,1</b>	0,16
Mexico	<b>3,8</b>	-0,37	<b>3,5</b>	1,41	<b>1,6</b>	0,91
<b>China</b>	<b>19,5</b>	<i>10,56</i>	<b>9,1</b>	4,84	<b>4,1</b>	<i>2,42</i>
Brazil	<b>2,0</b>	0,32	<b>2,2</b>	0,21	<b>0,8</b>	0,01
ASEAN	<b>8,7</b>	-1,16	<b>10,3</b>	2,41	<b>8,7</b>	1,43

**Structure of exports**  
**by market segments**  
 (2004) and its change  
 1995–2004 (%)

	Low segment	Mid segment	Up-mark. Seg.
<b>EU25</b>	<b>20,6</b>	<b>33,3</b>	<b>46,1</b>
change	-3,4	-1,0	4,4
<b>US</b>	<b>26,61</b>	<b>38,46</b>	<b>34,93</b>
change	-1,52	-1,59	3,12
<b>Japan</b>	<b>19,64</b>	<b>42,66</b>	<b>37,7</b>
change	3,32	-7,11	3,79
<b>Brazil</b>	<b>44,99</b>	<b>36,15</b>	<b>18,86</b>
change	5,23	-2,38	-2,85
<b>Russia</b>	<b>45,12</b>	<b>32,34</b>	<b>22,54</b>
change	-5,96	-1,53	7,49
<b>India</b>	<b>39,18</b>	<b>38,39</b>	<b>22,43</b>
change	-7,8	2,76	5,04
<b>China</b>	<b>54,01</b>	37,09	<b>8,9</b>
change	0,07	-0,96	0,89
<b>World</b>	<b>30,46</b>	<b>38,29</b>	<b>31,25</b>
change	0,49	-0,82	0,33

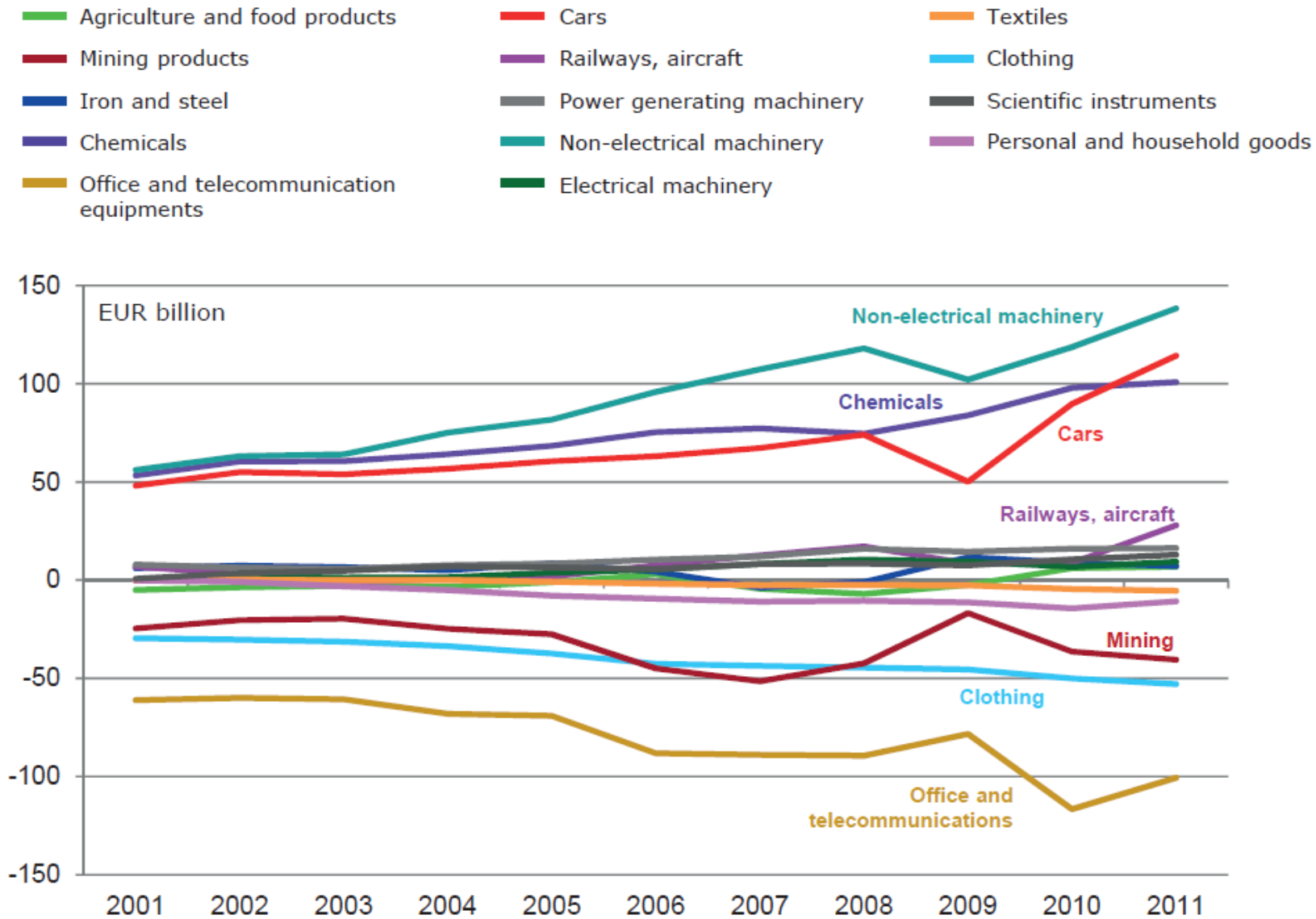


## China – distribution of workforce

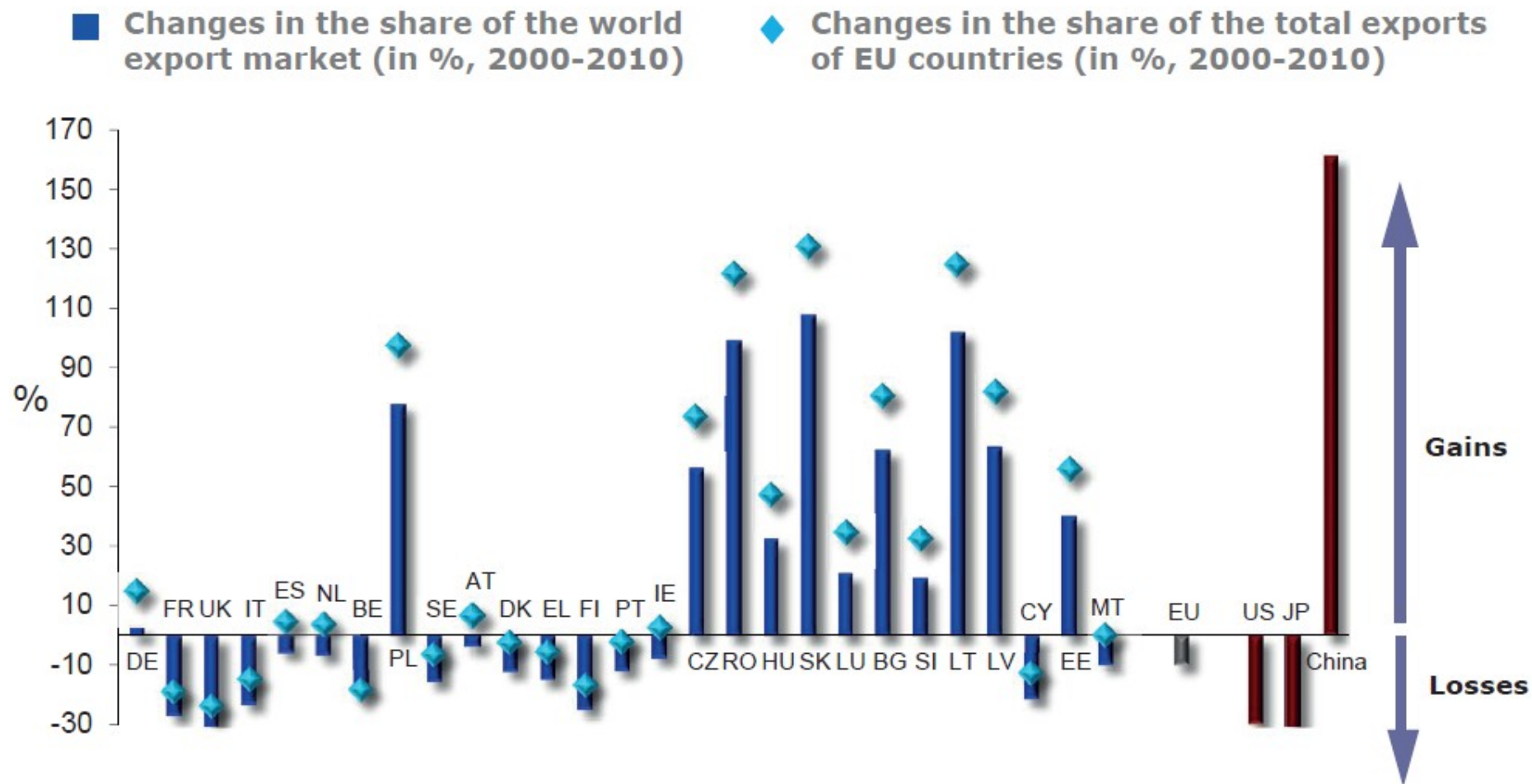


Pozice EU ve světové ekonomice  
– produkt, obchod se zbožím a službami

## Different trends at sectoral level (trade balance in € bn in selected sectors)

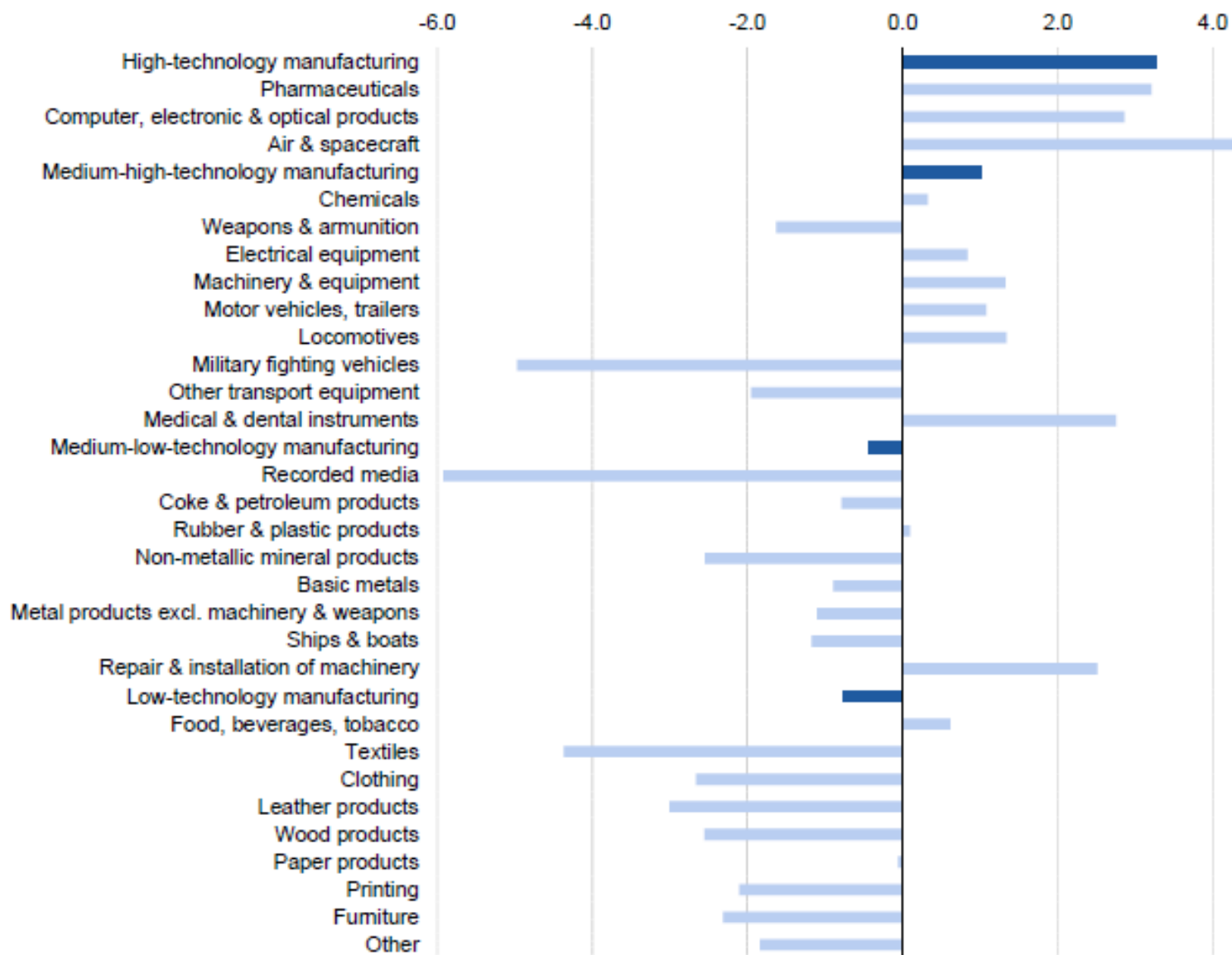


# Export performance of EU Member States 2000-2010

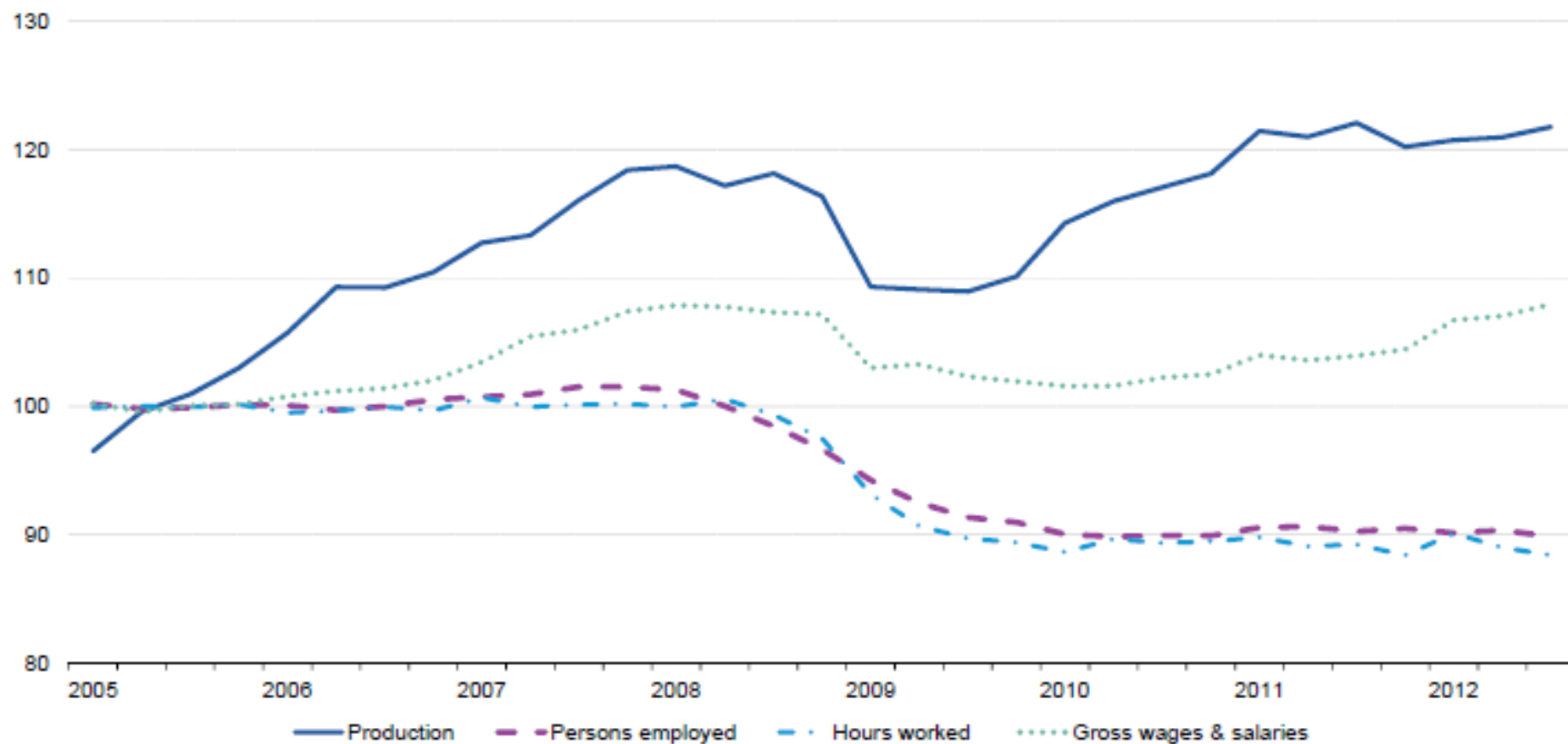


Source: European Commission

**Figure 5: Index of production, annual average growth rates 2005-2011, EU-27  
working day adjusted**



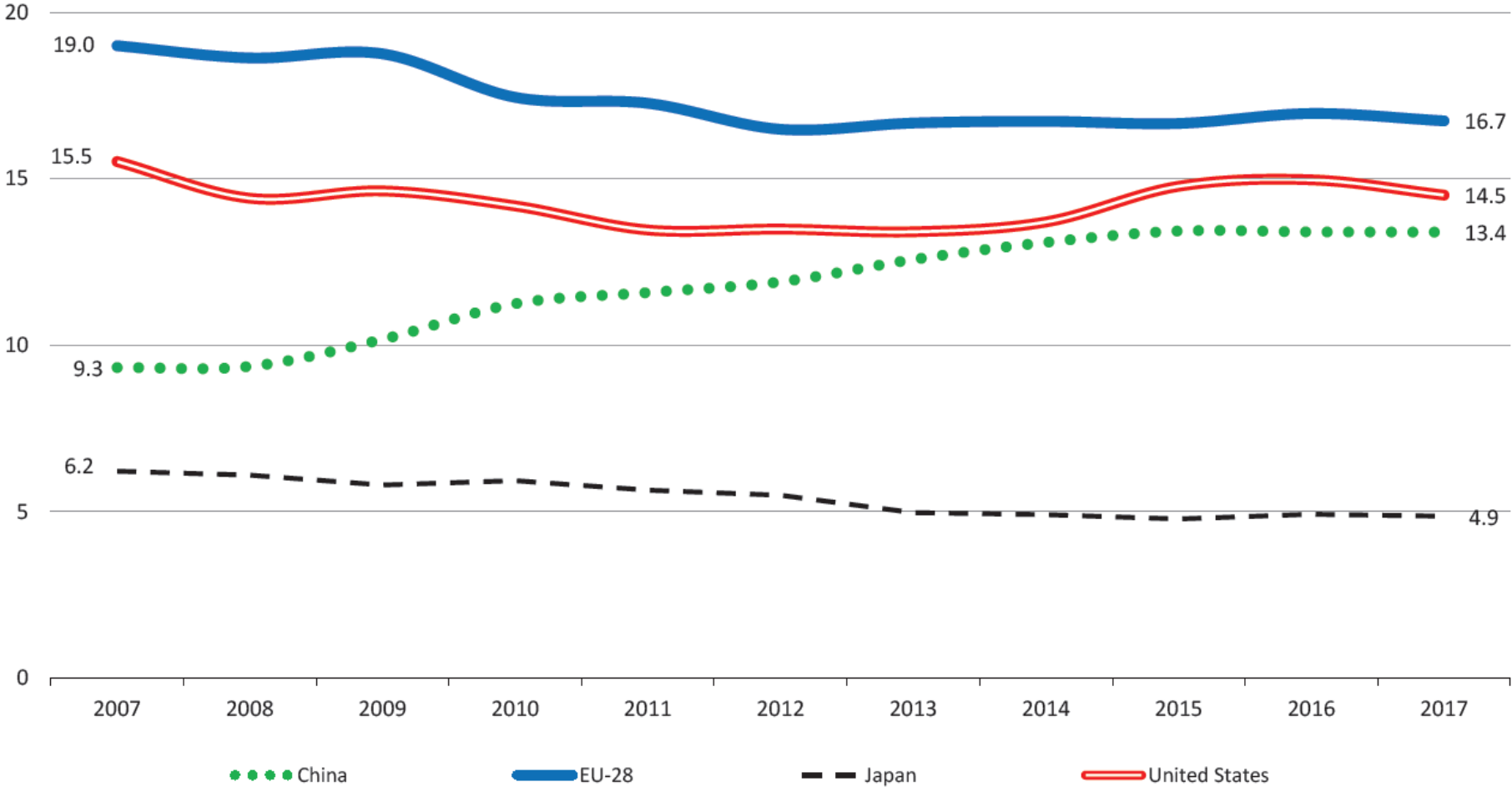
**Figure 6: Production and labour input indicators for high-technology manufacturing <sup>(1)</sup>, EU-27, seasonally adjusted (2005=100)**



## Share in world GDP (PPP, %)

Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
World	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Argentina	0.8	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.7	0.7
Australia	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Brazil	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.0	2.8	2.6	2.6
Canada	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4
China	11.3	12.0	13.2	13.9	14.6	15.3	15.9	16.5	17.1	17.7	18.2
India	5.2	5.2	5.7	5.9	6.1	6.2	6.4	6.7	7.0	7.2	7.4
Indonesia	2.0	2.1	2.2	2.2	2.3	2.4	2.4	2.4	2.5	2.5	2.6
Japan	5.6	5.3	5.1	5.0	4.8	4.7	4.7	4.5	4.5	4.4	4.3
Mexico	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9
Russia	3.9	3.9	3.7	3.6	3.7	3.7	3.6	3.5	3.3	3.2	3.2
Saudi Arabia	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.4
South Africa	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
South Korea	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Turkey	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.7
United States	18.2	17.6	17.2	16.7	16.3	16.2	15.9	15.8	15.7	15.5	15.3
EU-28	20.7	20.3	19.5	18.9	18.5	17.8	17.3	17.0	16.9	16.7	16.5
France	2.8	2.8	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.3	2.2
Germany	4.0	3.9	3.7	3.7	3.7	3.6	3.5	3.4	3.4	3.3	3.3
Italy	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.9	1.9	1.8
United Kingdom	2.8	2.7	2.6	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3

Share in world trade in goods and services in selected countries (%)



Coverage: excluding intra-EU trade.

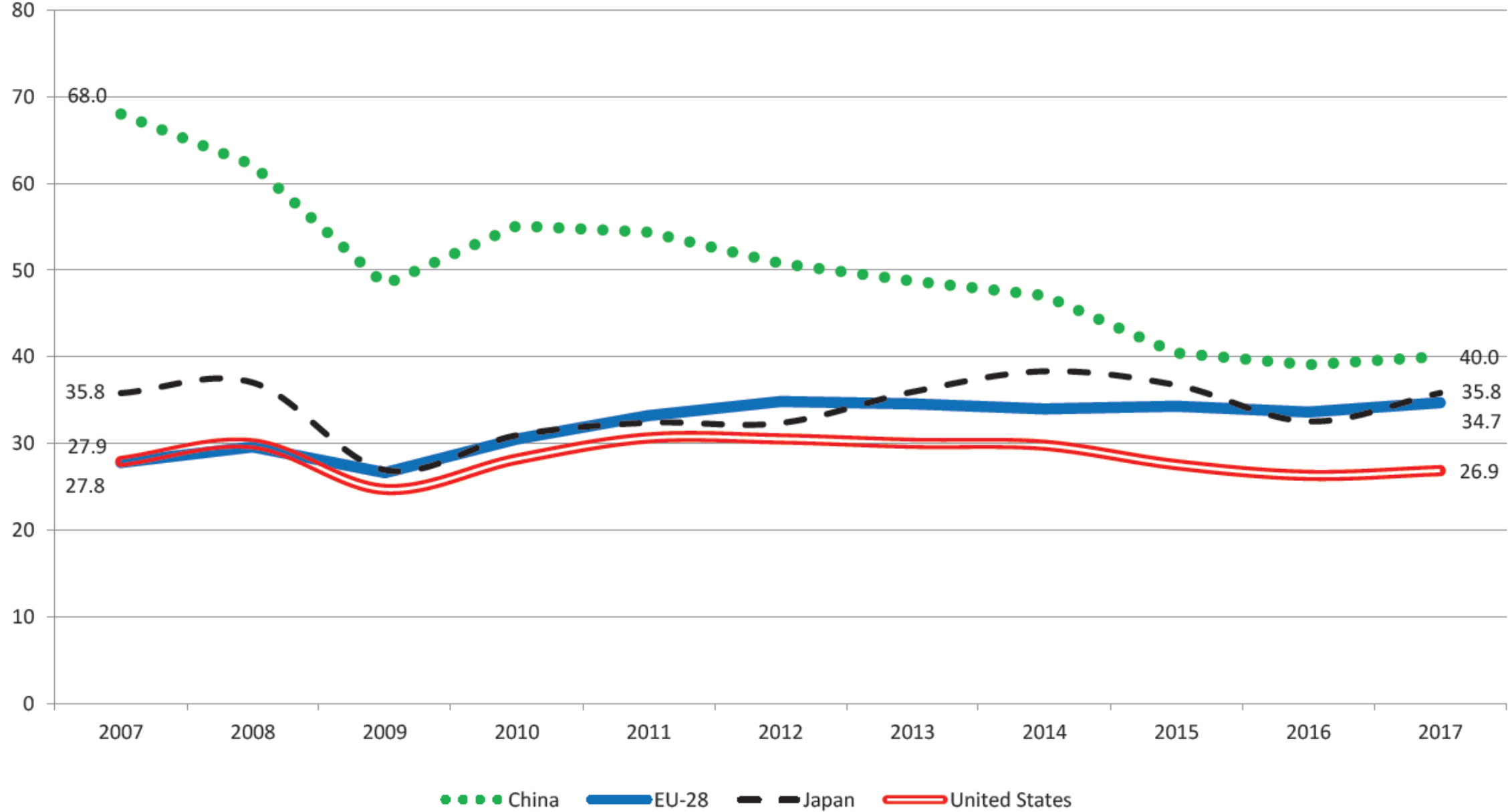


## Share in world trade in goods and services (%)

Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
World	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Argentina	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5
Australia	1.5	1.6	1.7	1.7	1.8	1.8	1.7	1.6	1.5	1.5	1.6
Brazil	1.3	1.5	1.5	1.6	1.7	1.6	1.7	1.6	1.4	1.3	1.3
Canada	3.7	3.4	3.3	3.3	3.2	3.1	3.1	3.1	3.1	3.0	3.0
China	9.3	9.4	10.2	11.2	11.6	11.9	12.6	13.1	13.4	13.4	13.4
India	2.1	2.3	2.4	2.7	2.9	2.9	2.8	2.8	2.8	2.8	3.0
Indonesia	0.9	1.0	1.0	1.1	1.2	1.2	1.1	1.1	1.0	1.0	1.1
Japan	6.2	6.1	5.8	5.9	5.6	5.5	5.0	4.9	4.8	4.9	4.9
Mexico	2.4	2.2	2.1	2.2	2.2	2.2	2.2	2.3	2.5	2.6	2.6
Russia	2.5	2.8	2.3	2.4	2.7	2.8	2.8	2.6	2.0	1.8	2.0
Saudi Arabia	1.7	2.0	1.6 <sup>b</sup>	1.6	1.9	2.0	1.9	1.9	1.5	1.3	1.2
South Africa	0.7	0.7	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
South Korea	3.4	3.4	3.5	3.6	3.6	3.5	3.4	3.5	3.5	3.4	3.5
Turkey	1.2	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.3
United States	15.5	14.4	14.6	14.2	13.5	13.5	13.4	13.7	14.8	15.0	14.5
EU-28	19.0	18.6	18.8	17.4 <sup>b</sup>	17.3	16.5	16.7	16.7	16.7	17.0	16.7
France	2.0	2.0	2.2	1.9	1.9 <sup>b</sup>	1.8	1.8	1.8	1.7	1.8	1.7
Germany	4.0	3.9	4.0	3.7 <sup>b</sup>	3.7	3.5	3.5	3.5	3.5	3.6	3.6
Italy	1.9	1.9	1.8	1.7 <sup>b</sup>	1.6	1.5	1.5	1.4	1.4	1.4	1.4
United Kingdom	2.9	2.6	2.7	2.5 <sup>b</sup>	2.5	2.4	2.5	2.4	2.6	2.6	2.4

Coverage: excluding intra-EU trade.

# Trade in goods and services in selected countries (% of GDP)



Coverage: excluding intra-EU trade.

## EU trade (goods, bill. EUR)

		2006	2008	2010	2012	2014	2016	2018	2020	2021
<b>World</b>	IMP	1,368	1,585	1,471	1,703	1,625	1,603	1,912	1,717	2,113
	EXP	1,153	1,309	1,436	1,771	1,797	1,867	2,060	1,933	2,180
	BAL	-216	-276	-36	68	171	264	148	216	68
<b>US</b>	IMP	171	183	175	209	209	249	267	203	233
	EXP	267	248	243	294	312	364	406	353	399
	BAL	96	65	69	84	102	115	139	150	167
<b>China</b>	IMP	196	249	284	292	303	352	395	385	472
	EXP	64	78	114	144	165	170	210	203	223
	BAL	-132	-171	-171	-148	-138	-183	-185	-182	-248

# EU trade partners – goods

2018

2021

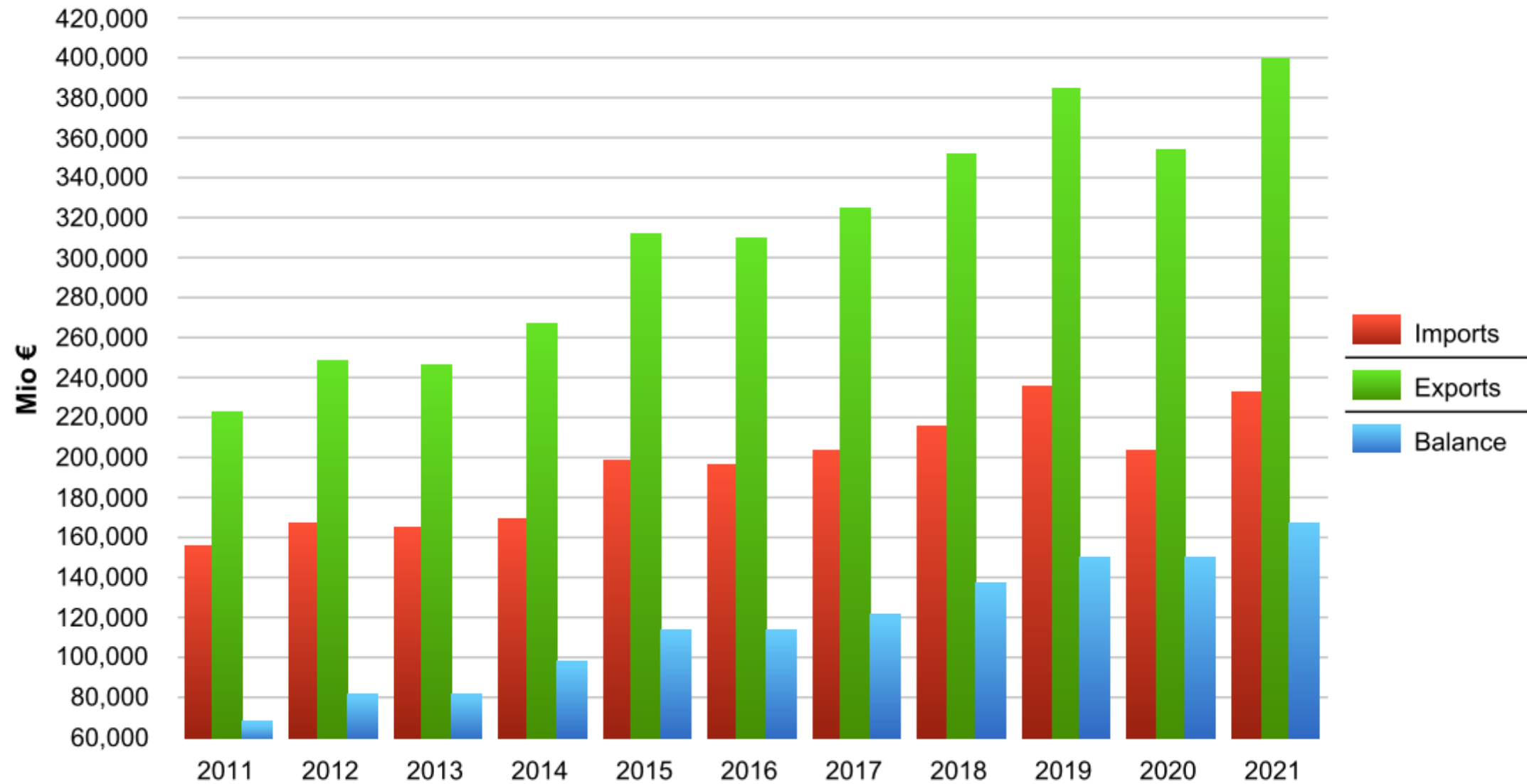
Imports			Exports			Total trade		
	value	share		value	share		value	share
<b>CH</b>	395	19.9	<b>US</b>	406	20.8	<b>US</b>	674	17.1
<b>US</b>	267	13.5	<b>CH</b>	210	10.7	<b>CH</b>	605	15.4
<b>RUS</b>	168	8.5	<b>SWI</b>	157	8.0	<b>SWI</b>	266	6.7
<b>SWI</b>	109	5.5	<b>RUS</b>	85	4.4	<b>RUS</b>	254	6.4
<b>NOR</b>	84	4.2	<b>TUR</b>	77	4.0	<b>TUR</b>	153	3.9
<b>TUR</b>	76	3.8	<b>JAP</b>	65	3.3	<b>NOR</b>	138	3.5
<b>JAP</b>	71	3.6	<b>NOR</b>	54	2.8	<b>JAP</b>	135	3.4
<b>KOR</b>	51	2.6	<b>KOR</b>	49	2.5	<b>KOR</b>	100	2.5
<b>IND</b>	46	2.3	<b>IND</b>	46	2.3	<b>IND</b>	92	2.3
<b>VIE</b>	38	1.9	<b>CAN</b>	41	2.1	<b>CAN</b>	72	1.8

Imports			Exports			Total trade		
	value	share		value	share		value	share
<b>CH</b>	472	22.4	<b>US</b>	399	18.3	<b>CH</b>	696	16.2
<b>US</b>	233	11.0	<b>UK</b>	284	13.0	<b>US</b>	632	17.7
<b>RUS</b>	159	7.5	<b>CH</b>	223	10.2	<b>UK</b>	430	10.0
<b>UK</b>	147	7.0	<b>SWI</b>	157	7.2	<b>SWI</b>	280	6.5
<b>SWI</b>	124	5.9	<b>RUS</b>	89	4.1	<b>RUS</b>	248	5.8
<b>TUR</b>	78	3.7	<b>TUR</b>	79	3.6	<b>TUR</b>	157	3.7
<b>NOR</b>	75	3.5	<b>JAP</b>	62	2.9	<b>NOR</b>	131	3.1
<b>JAP</b>	62	3.0	<b>NOR</b>	57	2.6	<b>JAP</b>	125	2.9
<b>KOR</b>	55	2.6	<b>KOR</b>	52	2.4	<b>KOR</b>	107	2.5
<b>IND</b>	46	2.2	<b>IND</b>	42	1.9	<b>IND</b>	88	2.1

# European Union, Trade with USA

## Total goods: EU Trade flows and balance, annual data 2011 - 2021

Source Eurostat Comext - Statistical regime 4



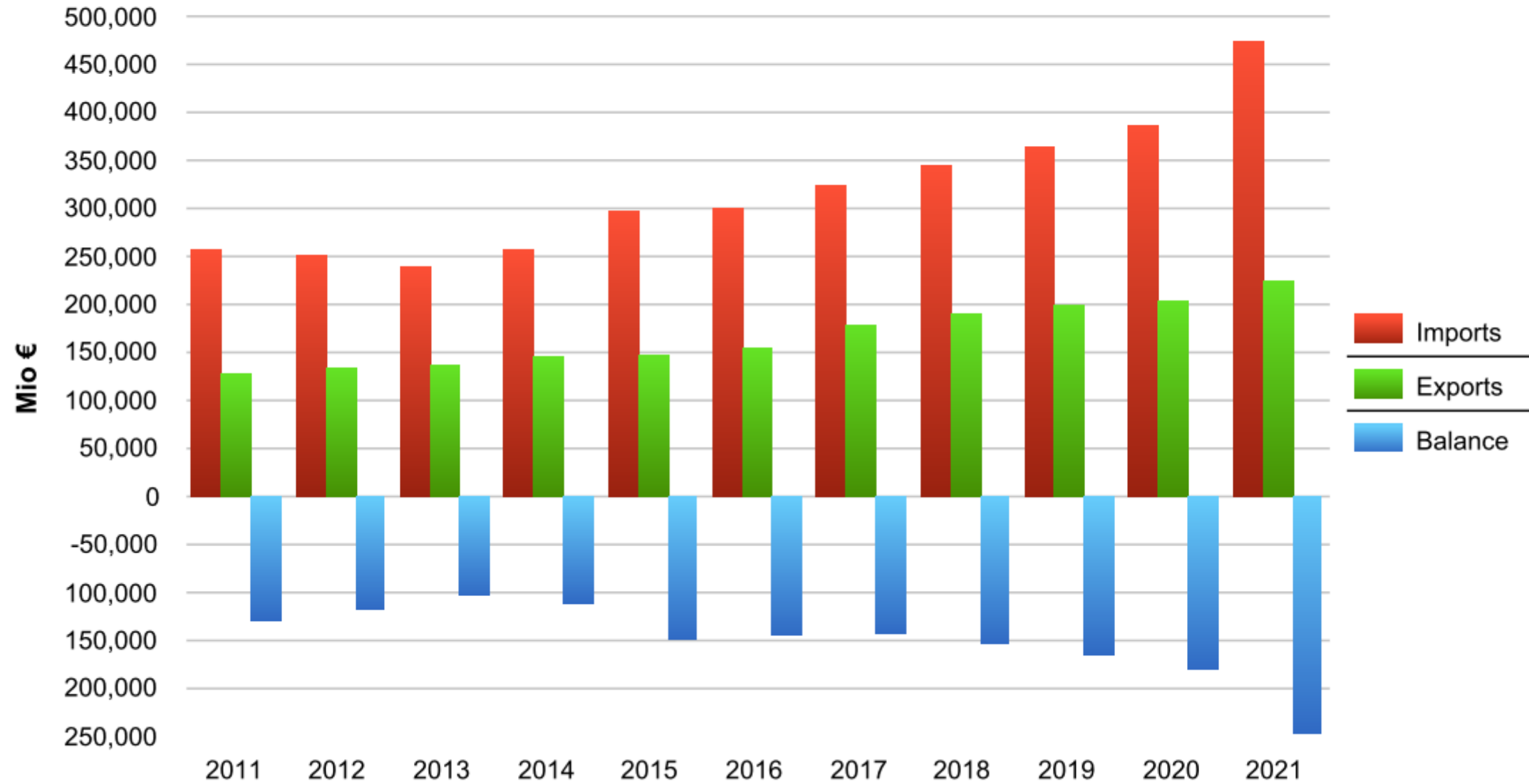
<b>EU – US trade 2018</b>	<b>Imports</b>		<b>Exports</b>	
	bil EUR	% total	bil EUR	% total
<i>food</i>	12	4.4	21	5.2
<i>steel</i>	1	0.5	7	1.7
<b>chemicals</b>	55	20.7	99	24.4
- pharmaceuticals	29	10.9	58	14.3
<b>mach. and transport eq.</b>	111	41.6	173	42.6
- transport eq.	35	13.0	74	18.3
-- automotive	9	3.4	47	11.6
- power gen. mach.	33	12.5	19	4.6
- non elect. mach.	19	7.0	48	11.7
- elect. mach.	11	4.0	18	4.5
<b>other manufactures</b>	29	11.0	47	11.4

<b>EU – US trade 2021</b>	<b>Imports</b>		<b>Exports</b>	
	bil EUR	% total	bil EUR	% total
<i>Food</i>	8.8	3.8	23	5.7
<i>steel</i>	0.8	0.4	5.2	1.3
<b>Chemicals</b>	58	24.8	115	28.9
- Pharmaceuticals	30	12.9	76	19.0
<b>mach. and transport eq.</b>	80	34.6	146	36.6
- transport eq.	27	11.5	54	13.4
-- automotive	10	4.3	35	8.7
- power gen. mach.	18	7.5	12	2.9
- non elect. mach.	15.3	6.6	47	11.8
- elect. mach.	9.2	3.9	19.3	4.8
<b>other manufactures</b>	26	11.0	43	10.8

# European Union, Trade with China

## Total goods: EU Trade flows and balance, annual data 2011 - 2021

Source Eurostat Comext - Statistical regime 4



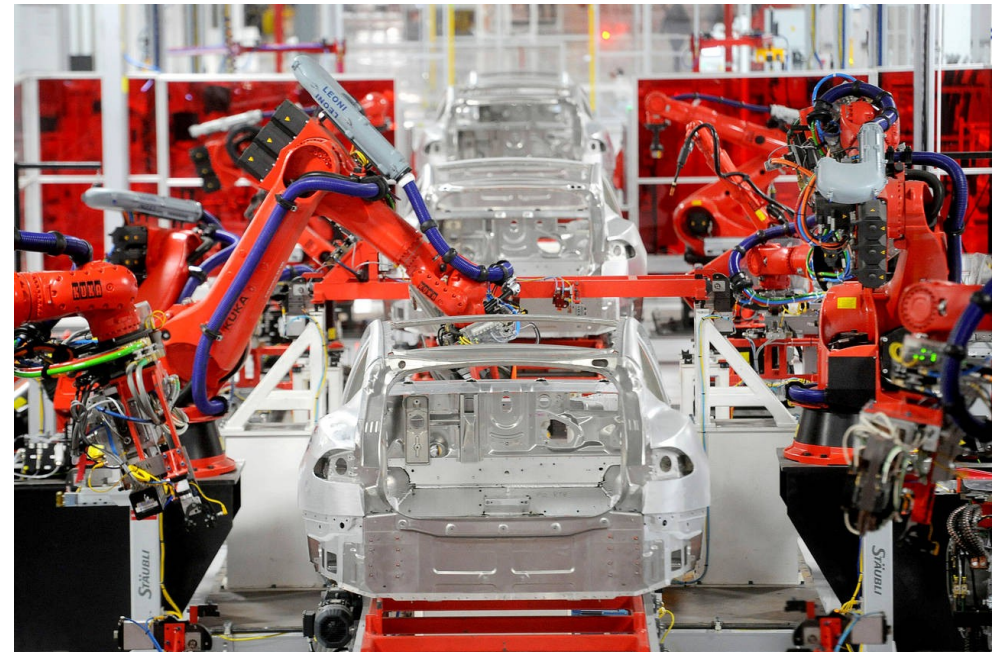
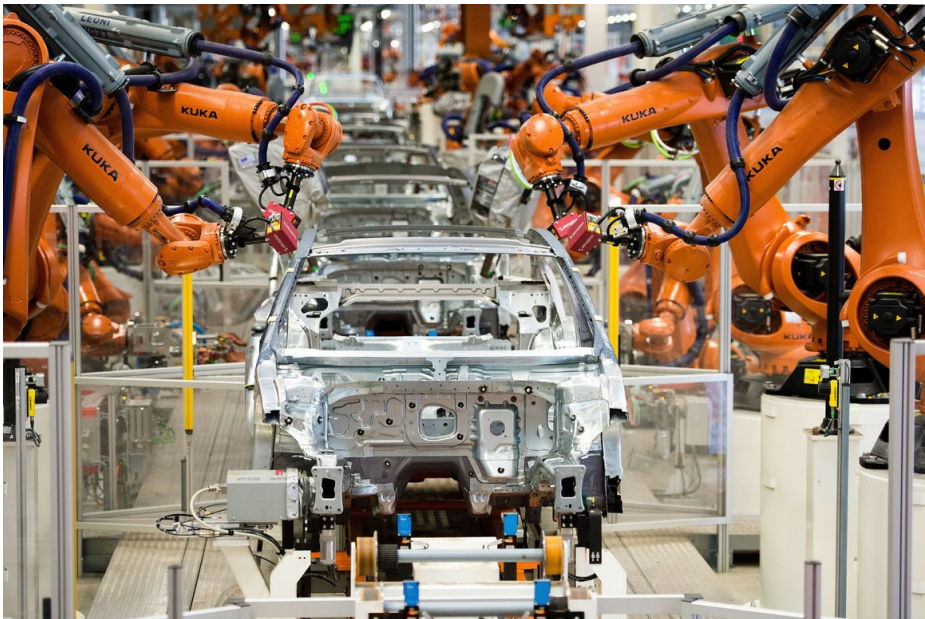
<b>EU – China trade 2018</b>	<b>imports</b>		<b>exports</b>	
	bil EUR	% total	bil EUR	% total
<b>agri. products</b>	8	2.0	16	7.5
<b>fuel and mining</b>	5	1.2	14	6.5
<b>chemicals</b>	21	5.4	27	12.8
<b>other semi. manu.</b>	32	8.0	10	4.5
<b>mach. and trasport eq.</b>	209	53.1	112	53.4
<b>- office and telecom.</b>	123	31.1	10	4.5
<b>-- elect.data processing.</b>	50	12.6	1	0.6
<b>-- telecom. eq.</b>	67	17.1	3	1.3
<b>- transport. eq</b>	13	3.2	50	23.8
<b>- non elect. mach.</b>	26	6.6	32	15.0
<b>- elect. mach.</b>	42	10.7	16	7.5
<b>clothing</b>	29	7.4	2	0.9
<b>other manufactures</b>	75	19.0	19	8.9

<b>EU – China trade 2021</b>	<b>imports</b>		<b>exports</b>	
	bil EUR	% total	bil EUR	% total
<b>agri. products</b>	7.8	1.6	22.4	10.0
<b>fuel and mining</b>	4.6	1.0	8.6	3.9
<b>Chemicals</b>	34	7.3	33	14.7
<b>other semi. manu.</b>	36	7.7	10	4.5
<b>mach. and trasport eq.</b>	263	55.8	116	51.9
<b>- office and telecom.</b>	138	29.3	15	6.9
<b>-- elect.data processing.</b>	55	11.6	1.6	0.7
<b>-- telecom. eq.</b>	67	14.3	3.6	1.6
<b>- transport. eq</b>	22	4.7	44	19.8
<b>- non elect. mach.</b>	36	7.6	34	15.1
<b>- elect. mach.</b>	59	12.5	18	8.0
<b>clothing</b>	26	5.4	3	1.4
<b>other manufactures</b>	83	17.6	23	10.4



# KUKA - Keller und Knappich Augsburg (1898)

- KUKA Systems' plants/equipments are being used by various automotive manufacturers such as BMW, GM, Chrysler, Ford, Volvo, Volkswagen, Daimler AG, Valmet Automotive as well as manufacturers from other industrial sectors such as Airbus, Siemens and others.
- In 1973, KUKA created its own industrial robot FAMULUS.
- In June 2016, **Midea Group** offered to buy Kuka for about €4.5 billion (\$5 billion). Midea completed the takeover bid in January 2017 by taking 74.55% voting stake in the company.
- **Midea Group** - produces lighting, water appliances, floor care, small kitchen appliances, laundry, large cooking appliances, and refrigeration appliances (135 thousand employees, 60 affiliates)...



<b>EU – JAP trade 2018</b>	<b>Imports</b>		<b>Exports</b>	
	bil EUR	% total	bil EUR	% total
<i>food</i>	0.4	0.5	7	10.0
<b>chemicals</b>	7	10.3	15	22.6
- pharmaceuticals	1	1.8	9	13.5
<b>mach. and transport eq.</b>	47	66.9	25	39.1
- transport eq.	20	27.7	13	20.7
-- automotive	14	20.3	10	15.9
- other machinery	21	29.6	10	15.7
- non elect. mach.	12	17.4	6	8.6
- elect. mach.	10	4,2	17	4,6
<b>Other manu – scientific</b>	4	6.0	4	5.4

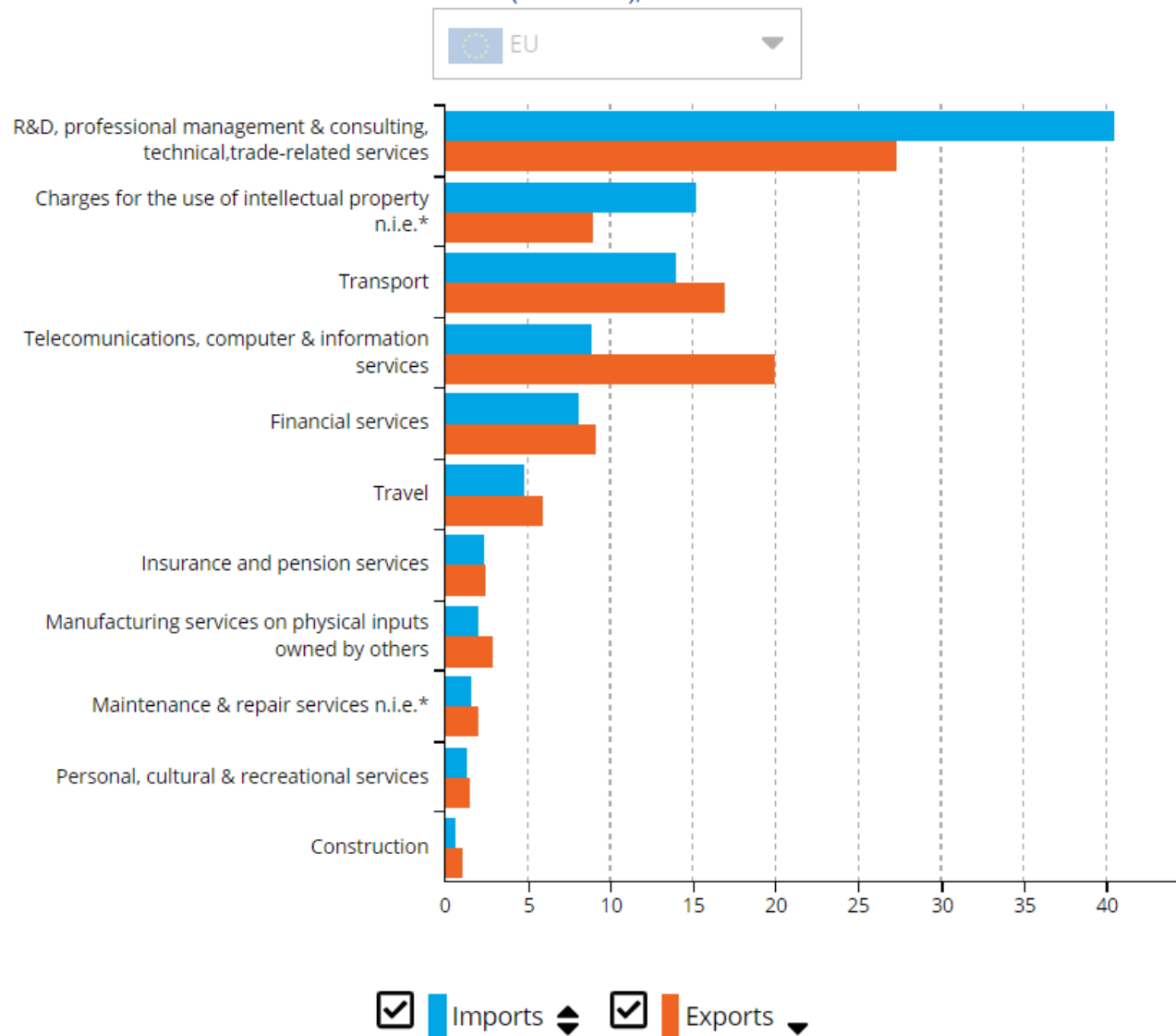
<b>EU – JAP trade 2020</b>	<b>Imports</b>		<b>Exports</b>	
	bil EUR	% total	bil EUR	% total
<i>food</i>	0.3	0.6	7.8	14.3
<b>chemicals</b>	7.8	14.2	13	24.2
- pharmaceuticals	1.5	2.8	7.9	14.5
<b>mach. and transport eq.</b>	35	63.5	19	34.5
- transport eq.	14	26.2	8.6	15.9
-- automotive	11	20.0	6.8	12.5
- other machinery	15	27.5	8	14.7
- non elect. mach.	8.9	16.1	5	9.2
- elect. mach.	5.2	9.4	2.1	3.9
<b>Other manu – scientific</b>	7	12.8	6.9	12.6

<b>EU – RUS trade 2018</b>	<b>Imports</b>		<b>Exports</b>	
	bil EUR	% total	bil EUR	% total
<b>food</b>	<b>2</b>	1.3	<b>6</b>	6.7
<b>fuels and mining</b>	<b>125</b>	74.2	<b>1</b>	1.6
<b>chemicals</b>	<b>6</b>	3.4	<b>18</b>	20.8
<b>mach. and trasport eq.</b>	<b>2</b>	1.3	<b>39</b>	45.4
- transport eq.	<b>0,7</b>	0.4	<b>13</b>	15.1
- non elect. mach.	<b>0.4</b>	0.2	<b>15</b>	17.3
- elect. mach.	<b>0.4</b>	0.3	<b>5</b>	5.8
<b>clothing</b>	<b>0.03</b>	0,0	<b>3</b>	3.0

<b>EU – RUS trade 2021</b>	<b>Imports</b>		<b>Exports</b>	
	bil EUR	% total	bil EUR	% total
<b>food</b>	<b>2.6</b>	1.6	<b>6.2</b>	<b>7.0</b>
<b>fuels and mining</b>	<b>111</b>	69.9	<b>2.1</b>	2.4
<b>chemicals</b>	<b>6.7</b>	4.3	<b>20</b>	22.5
<b>mach. and trasport eq.</b>	<b>1.9</b>	1.2	<b>39</b>	43.8
- transport eq.	<b>0,6</b>	0.4	<b>12.8</b>	14.4
- non elect. mach.	<b>0.4</b>	0.3	<b>15</b>	<b>16.7</b>
- elect. mach.	<b>0.4</b>	0.3	<b>5.2</b>	<b>5.9</b>
<b>clothing</b>	<b>0.04</b>	0,0	<b>2.4</b>	2.7

## Trade in services by type, EU

(% of total), 2020



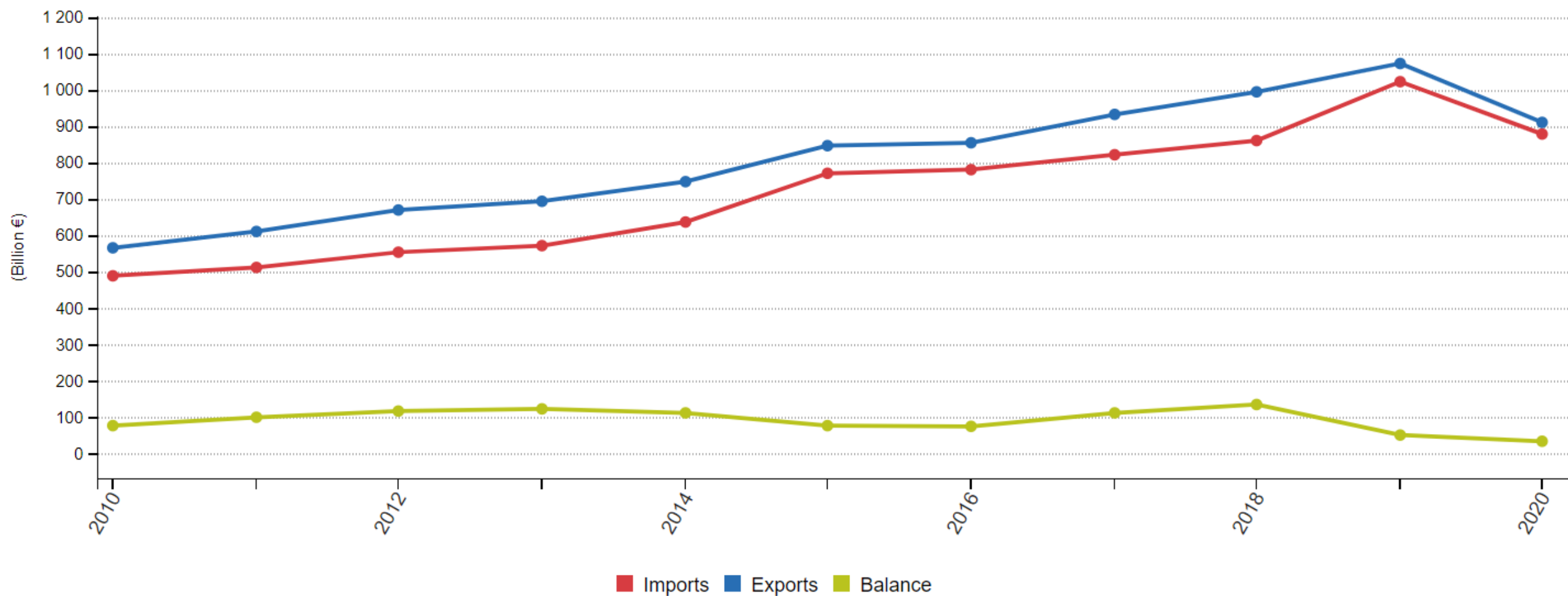
Source: Eurostat (online data code: [bop\\_its6\\_det](#)). Confidential values are not shown in the graph.

Totals may not add up to 100% due to services not allocated and government goods and services n.i.e.\* and confidential values.

\*n.i.e.: not included elsewhere

EU data refer to transactions with Extra-EU, while data for individual countries refer to transactions with the rest of the World.

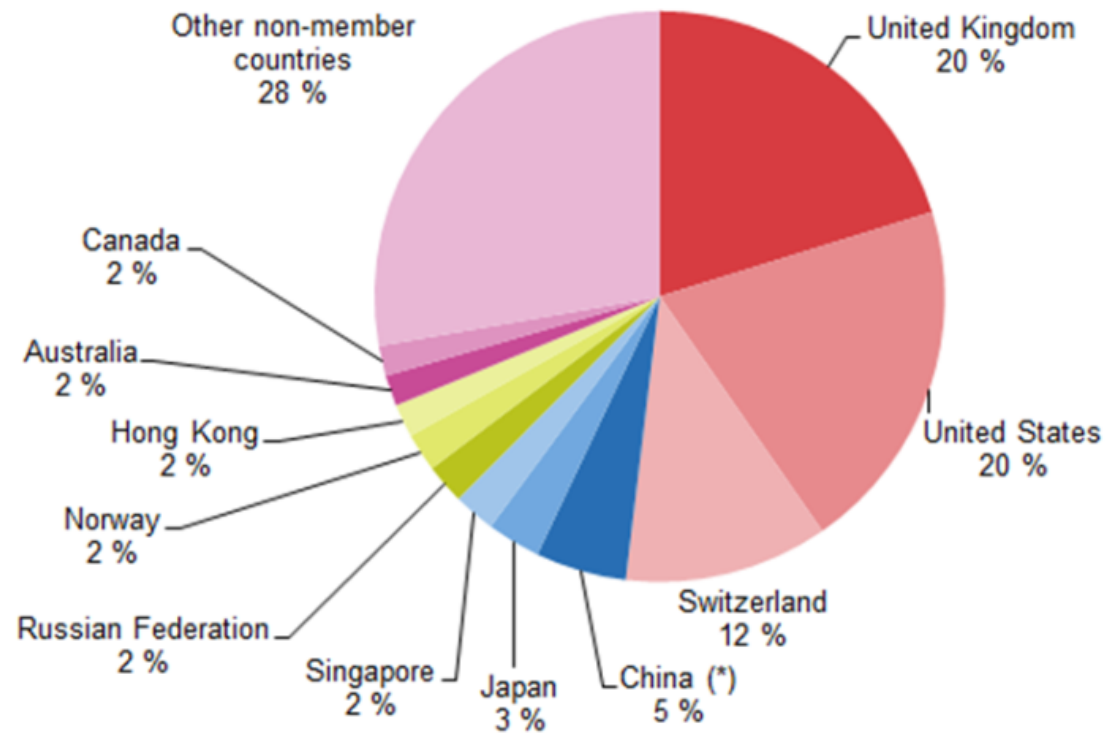
# International trade in services with non-member countries (extra-EU), EU, 2010-2020



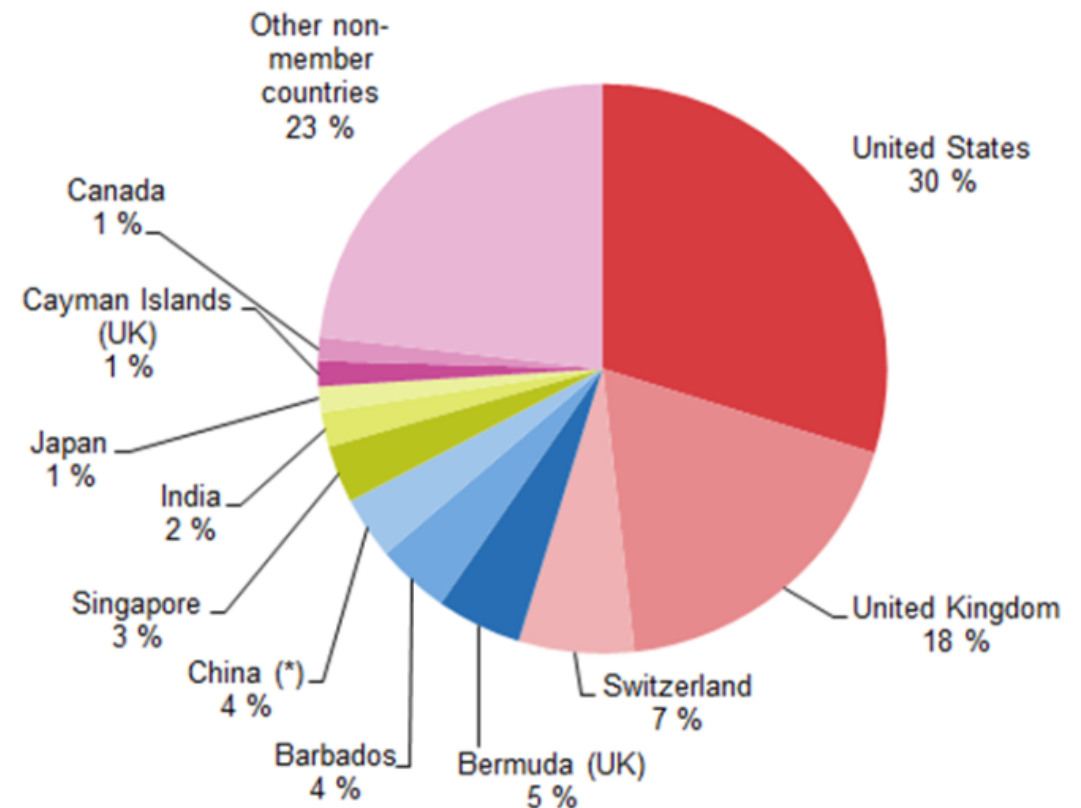
Source: Eurostat (online data code: bop\_its6\_tot)

## Trading partners' share of EU international trade in services with non-member countries (extra-EU), 2020 (%)

### Exports



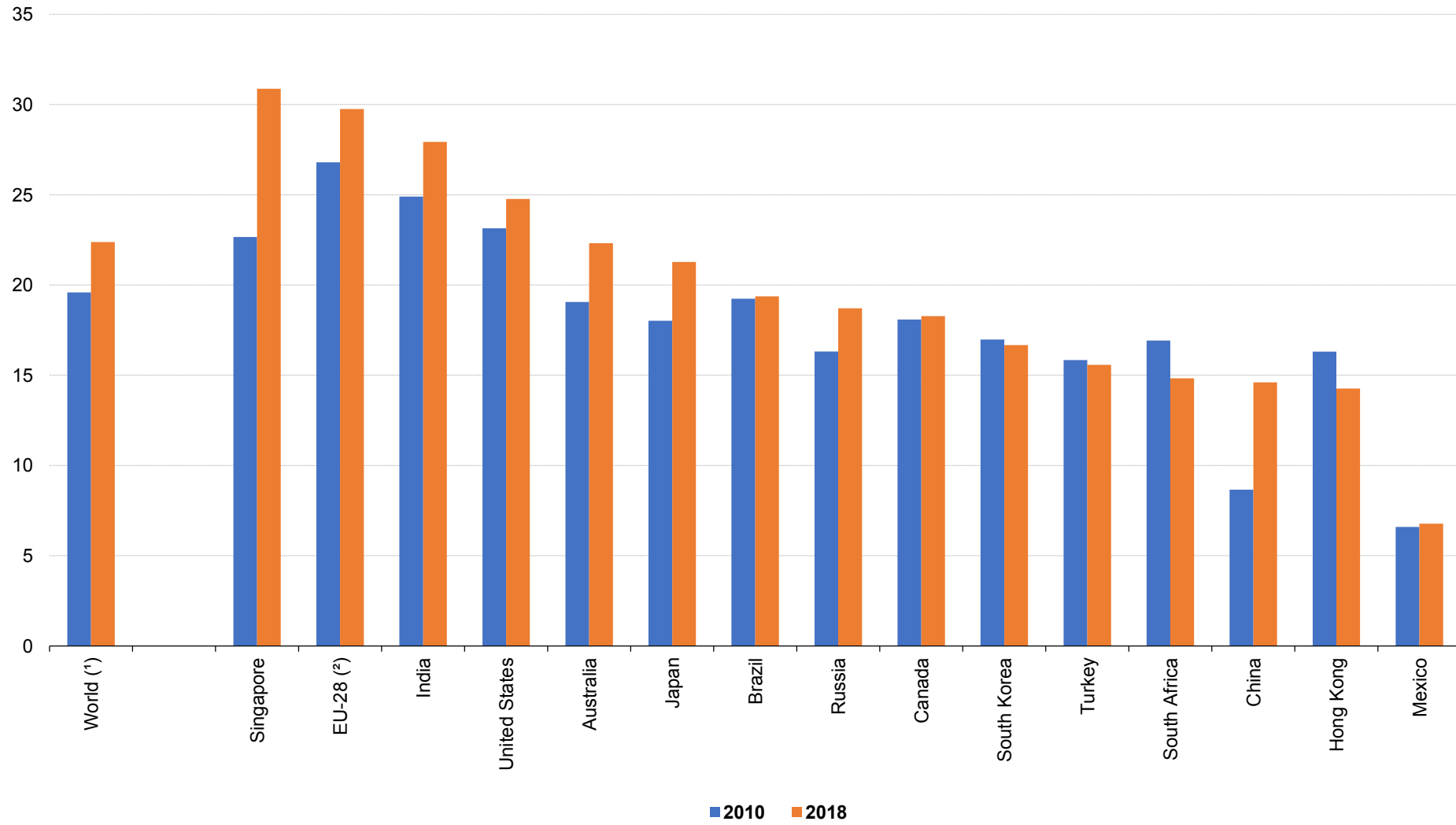
### Imports



Source: Eurostat (online data code: bop\_its6\_tot)

Share of services within total trade of goods and services, selected countries, 2010 and 2018

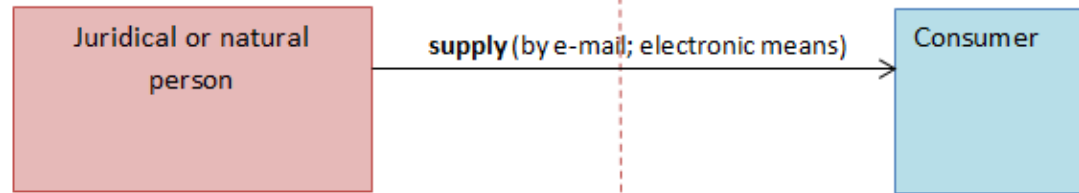
(%)



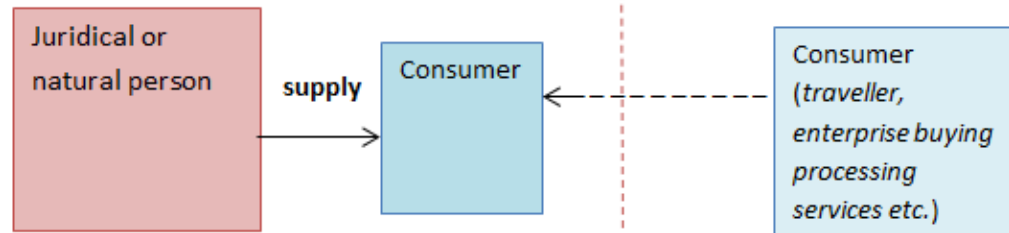
Country A

Country B

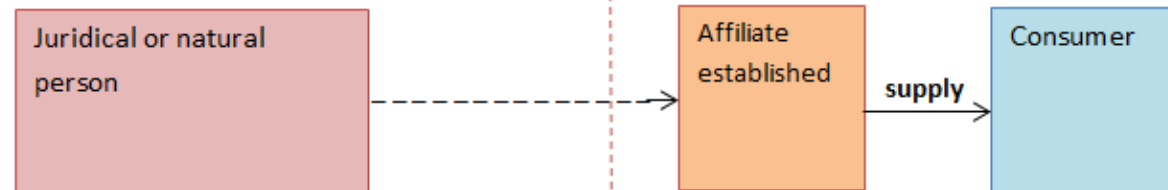
**Mode 1: Cross-border supply**



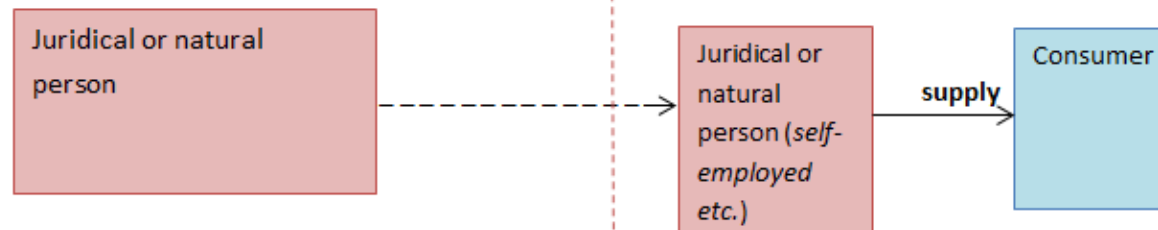
**Mode 2: Consumption abroad**



**Mode 3: Commercial presence**



**Mode 4: Presence of natural persons**





## Extra-EU trade balance and cover ratio for selected services, EU-28, 2010 and 2018

	Trade balance (billion EUR)		Cover ratio (%)	
	2010	2018	2010	2018
<b>Services</b>	104.7	190.1	122.7	126.1
Manufacturing services	14.1	7.5	410.9	158.0
Maintenance & repair services	2.1	2.6	187.1	119.3
Transport	15.4	31.9	114.2	124.1
Travel	-3.9	30.7	95.4	127.7
Construction	4.3	5.9	184.4	202.3
Insurance & pension services	9.8	15.5	183.5	214.4
Financial services	33.4	32.1	227.0	163.6
Charges for use of intellectual property	-11.0	-41.1	72.4	61.8
Telecoms, computer & info. services	23.8	81.9	159.6	259.5
Other business services	18.5	21.3	115.1	110.0
Personal, cultural & recreation. services	-2.1	0.9	74.4	108.1
Government goods & services	0.4	1.4	105.6	122.4
Services not allocated	-0.2	-0.4	71.6	-80.1

Source: Eurostat (online data code: bop\_its6\_det)

**Cover ratios** — the value of exports divided by the value of imports, expressed as a percentage.

## EU-28 trade balance in services by partner (billion EUR)

Country	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Extra EU-28	71.0	87.0	71.3	83.0	104.7	135.6	167.4	179.7	164.3	142.4	133.1
Argentina	0.2	0.4	0.5	0.6	1.1	1.4	1.6	1.9	2.0	2.2	2.4
Australia	3.4	4.4	6.0	7.0	7.0	8.5	10.5	11.8	10.8	9.7	10.5
Brazil	0.9	2.0	3.8	3.5	8.5	10.0	9.0	8.7	8.1	6.6	5.6
Canada	2.1	2.2	2.5	4.2	4.4	5.2	5.9	6.3	5.5	6.4	6.7
China	2.0	2.6	5.1	4.9	2.2	4.0	5.6	6.6	7.2	9.7	8.8
India	1.6	1.5	0.8	1.8	- 1.0	- 2.4	- 1.0	- 0.7	- 0.4	- 0.1	- 1.7
Indonesia	0.4	0.9	0.8	1.0	1.3	1.5	1.5	1.9	1.8	1.7	1.8
Japan	5.6	6.0	3.4	5.3	4.9	4.7	9.4	9.7	10.0	11.6	13.0
Mexico	1.7	1.4	1.3	1.7	2.6	3.5	4.0	4.2	4.4	4.8	4.8
Russia	4.1	7.1	7.6	7.3	9.9	12.9	15.4	17.1	18.2	13.0	13.5
Saudi Arabia	4.4	6.5	4.2	5.9	4.4	4.2	5.2	6.5	9.5	10.2	10.6
South Africa	1.3	1.9	1.9	1.9	2.2	3.0	3.2	2.8	2.9	3.2	2.8
South Korea	2.7	3.2	3.1	2.8	2.6	3.2	4.0	5.1	5.6	6.2	6.0
Turkey	- 5.0	- 5.2	- 5.9	- 4.8	- 6.2	- 5.9	- 5.1	- 4.8	- 5.2	- 4.3	- 2.1
United States	8.6	9.2	0.0	- 2.1	- 3.2	7.1	14.9	17.1	5.9	17.9	- 1.3

## International trade in **services**, selected countries, 2010 and 2018

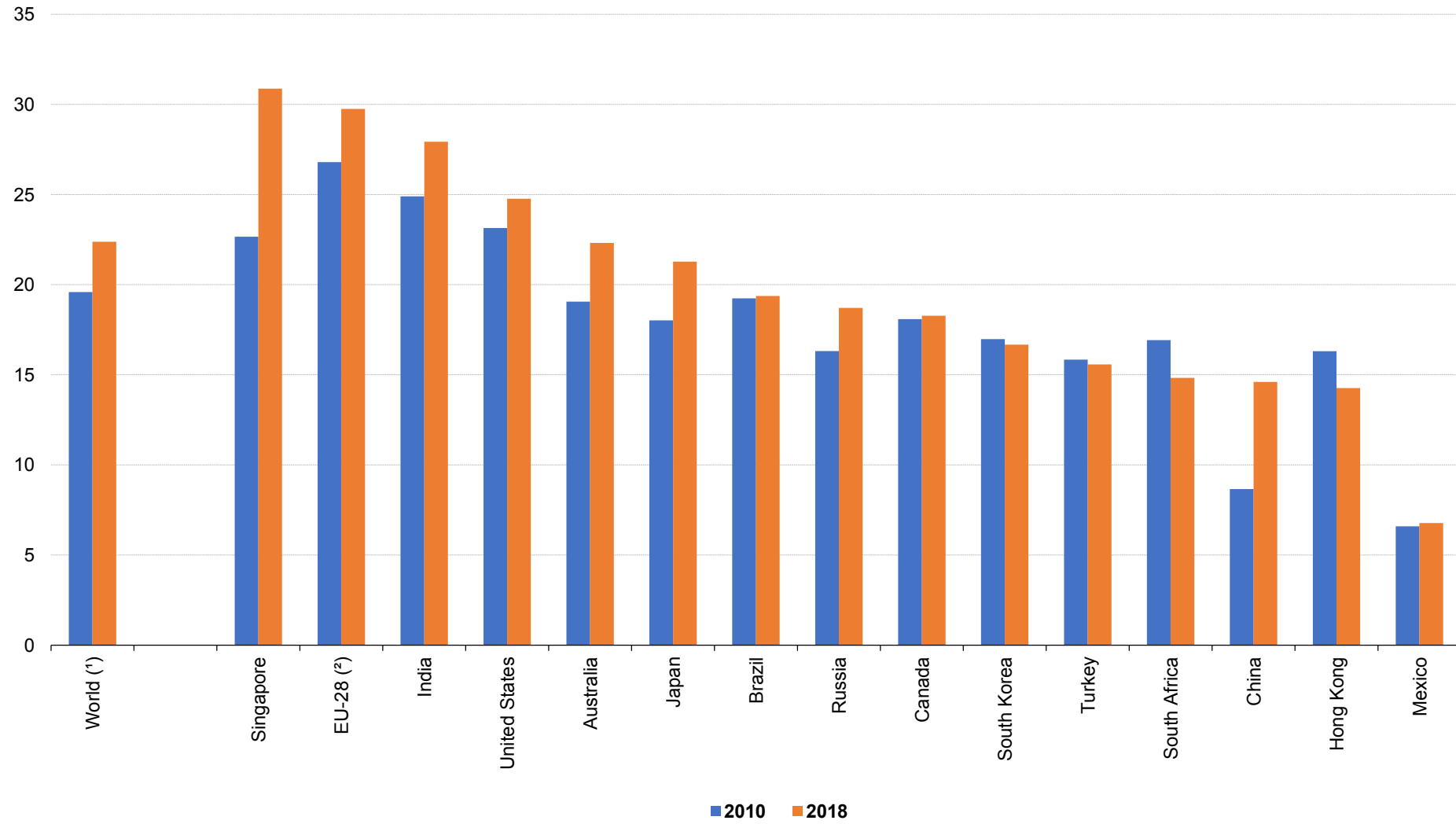
	Exports		Imports		Share of world total, 2017	
	(billion EUR)				(%)	
	2010	2018	2010	2018	Exports	Imports
World <sup>(1)</sup>	2 164,1	3 575,4	2 145,6	3 462,1	100,0	96,8
EU-28 <sup>(2)</sup>	566,7	918,5	462,0	728,4	25,5	20,2
Australia	35,0	58,8	38,9	61,7	1,6	1,7
Brazil	23,1	28,8	45,9	57,6	0,9	1,7
Canada	58,0	78,9	74,3	95,3	2,2	2,7
China	88,7	197,8	106,3	445,2	5,3	11,7
Hong Kong	60,8	96,3	53,1	68,6	2,6	1,9
India	88,3	173,7	59,5	105,6	4,6	2,7
Japan	101,5	164,0	124,4	170,1	4,6	4,8
Mexico	11,7	24,4	20,3	32,0	0,7	0,9
Russia	37,1	54,7	56,8	80,1	1,4	2,2
Singapore	75,7	154,6	75,8	156,0	4,2	4,4
South Africa	12,1	13,5	14,8	14,0	0,4	0,4
South Korea	62,6	83,9	73,1	109,1	2,2	3,1
Turkey	27,5	41,4	14,9	19,7	1,1	0,6
United States	424,5	700,2	308,8	480,4	19,8	13,5
Note: United Arab Emirates: not available.						
<sup>(1)</sup> Excludes intra-EU trade. 2017 instead of 2018.						
<sup>(2)</sup> Extra-EU trade.						

<b>SERVICES</b>	<b>Trade balance (billion EUR)</b>		<b>Cover ratio (%)</b>	
	2010	2018	2010	2018
EU-28 (¹)	104,7	190,1	122,7	126,1
Australia	-3,9	-2,8	90,0	95,4
Brazil	-22,7	-28,7	50,4	50,1
Canada	-16,2	-16,4	78,2	82,8
China	-17,7	-247,5	83,4	44,4
Hong Kong	7,7	27,7	114,4	140,3
India	28,8	68,1	148,4	164,5
Japan	-22,9	-6,1	81,6	96,4
Mexico	-8,6	-7,6	57,6	76,2
Russia	-19,7	-25,4	65,3	68,3
Singapore	-0,1	-1,4	99,9	99,1
South Africa	-2,7	-0,5	82,0	96,8
South Korea	-10,5	-25,2	85,6	76,9
Turkey	12,6	21,6	185,0	209,8
United States	115,7	219,9	137,5	145,8

**Cover ratios** — the value of exports divided by the value of imports, expressed as a percentage.

Share of services within total trade of goods and services, selected countries, 2010 and 2018

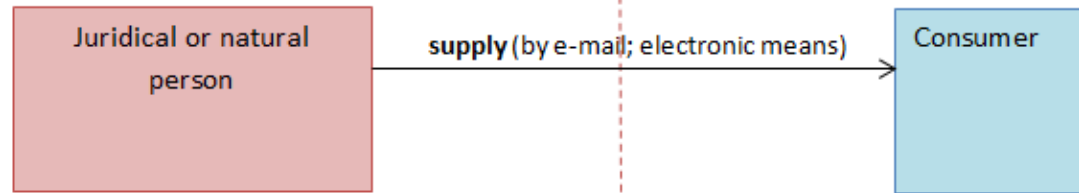
(%)



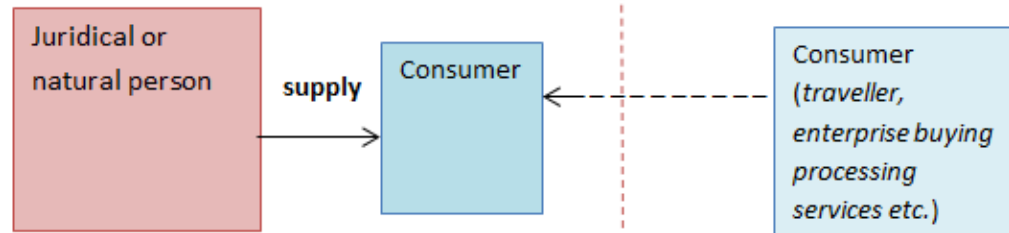
Country A

Country B

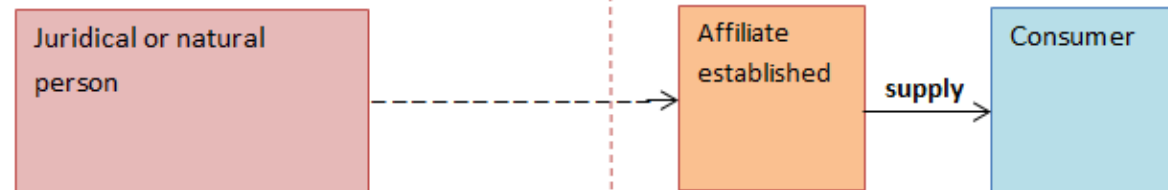
**Mode 1: Cross-border supply**



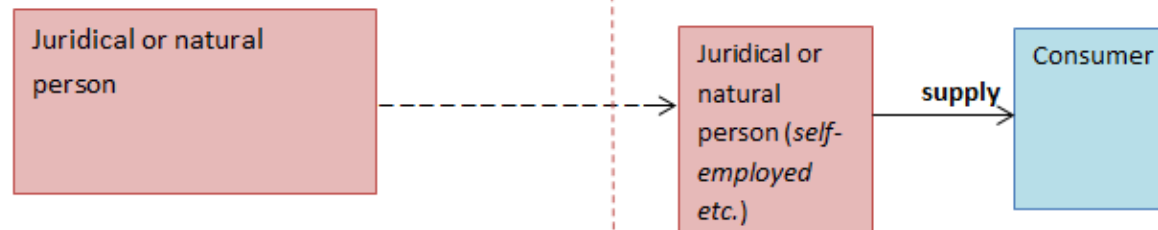
**Mode 2: Consumption abroad**



**Mode 3: Commercial presence**

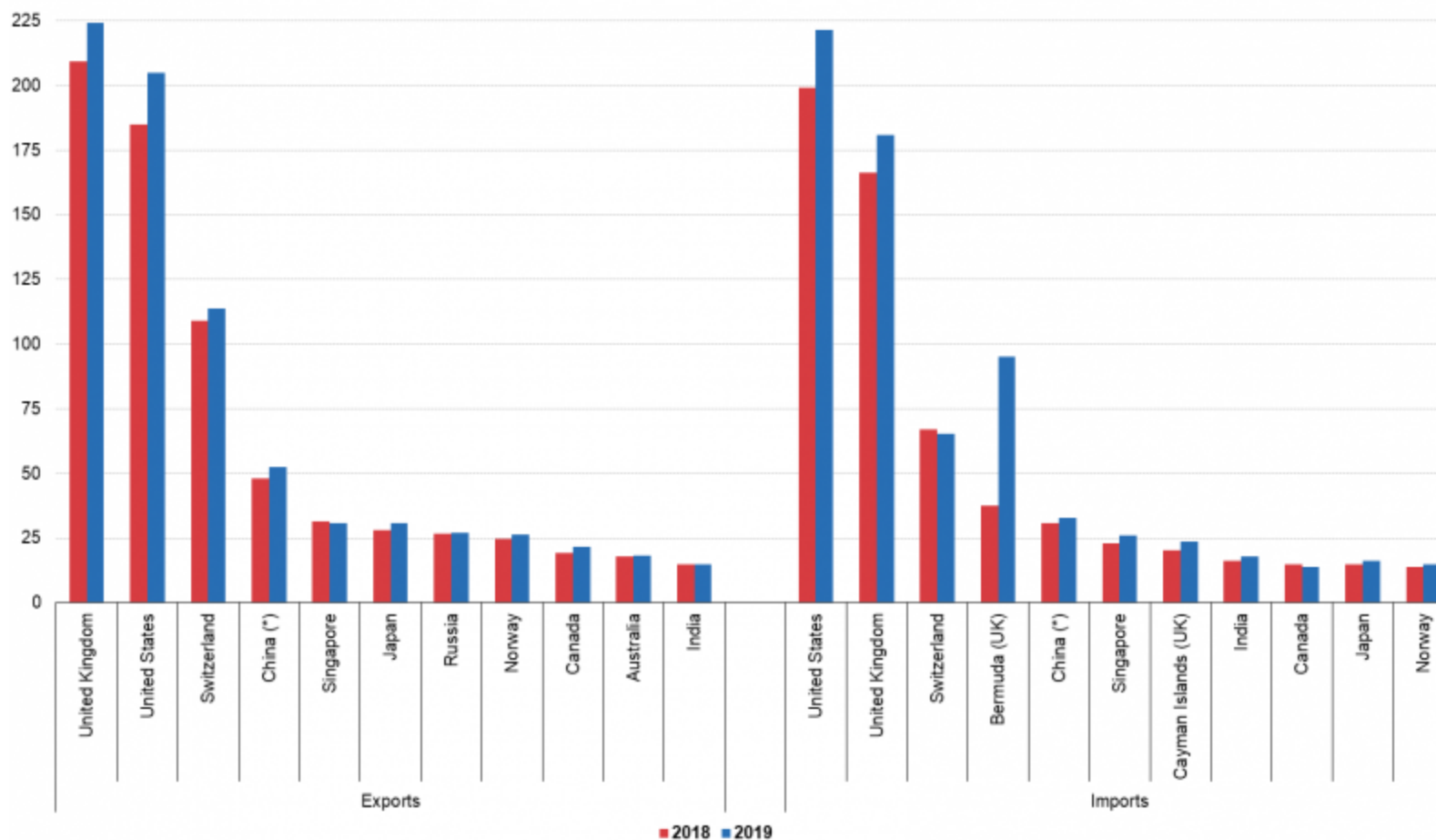


**Mode 4: Presence of natural persons**



### Trade in services with non-member countries (extra-EU), main partners EU, 2018 and 2019

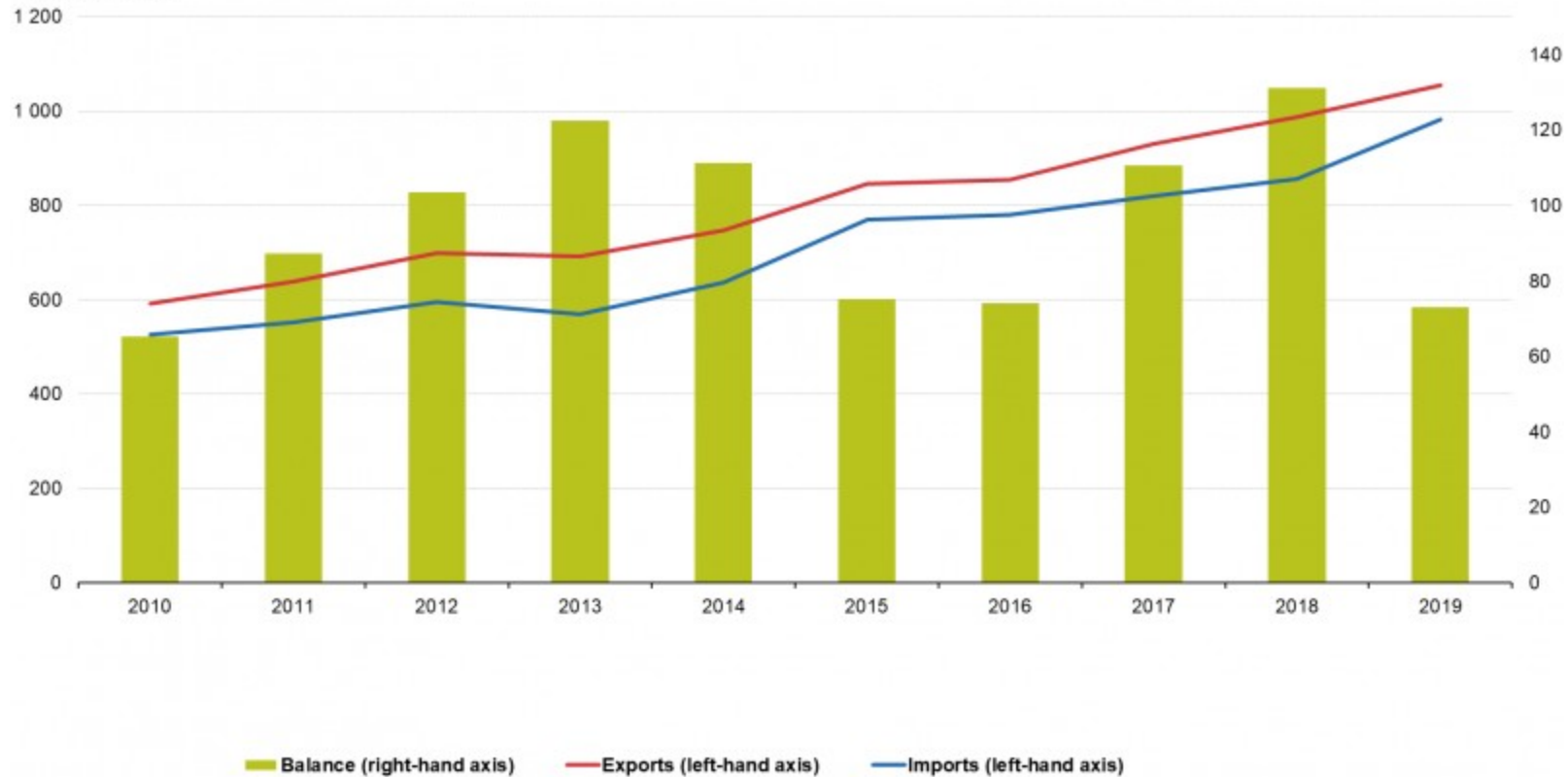
(billion EUR)



(\*) Excluding Hong Kong.

Source: Eurostat (online data code: bop\_its6\_tot)

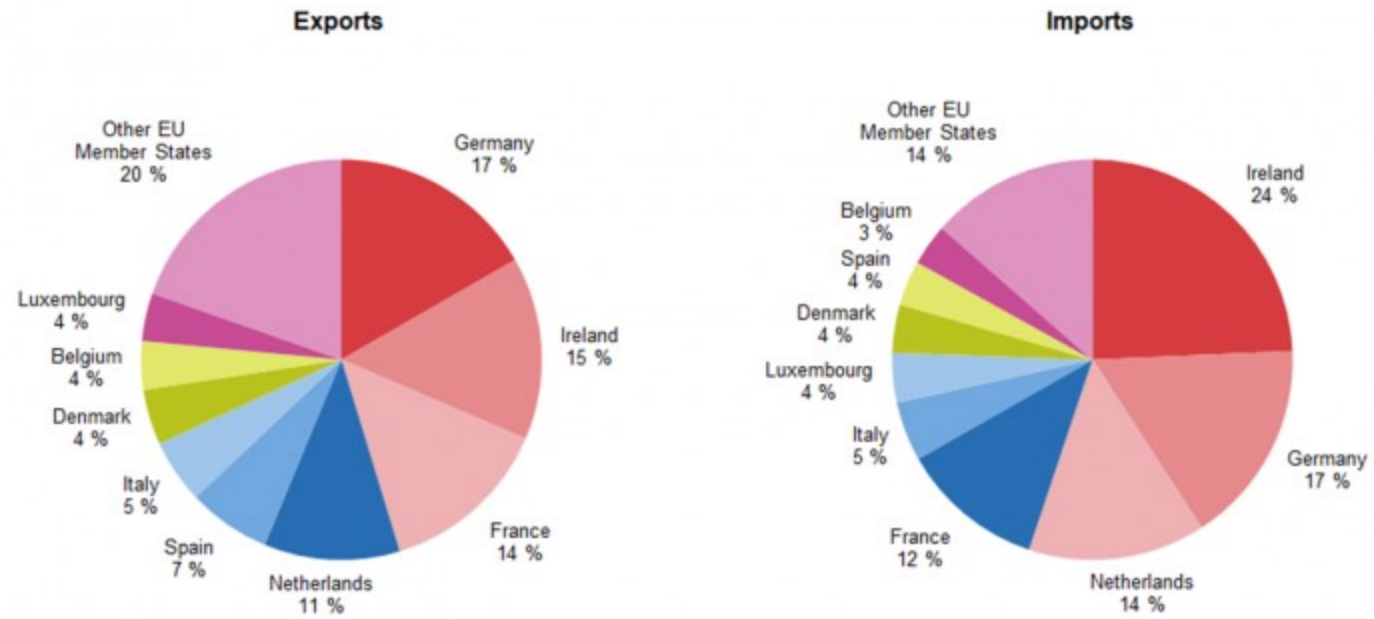
### International trade in services with non-member countries (extra-EU), EU, 2010–2019 (billion EUR)



Source: Eurostat (online data code: bop\_its6\_tot)

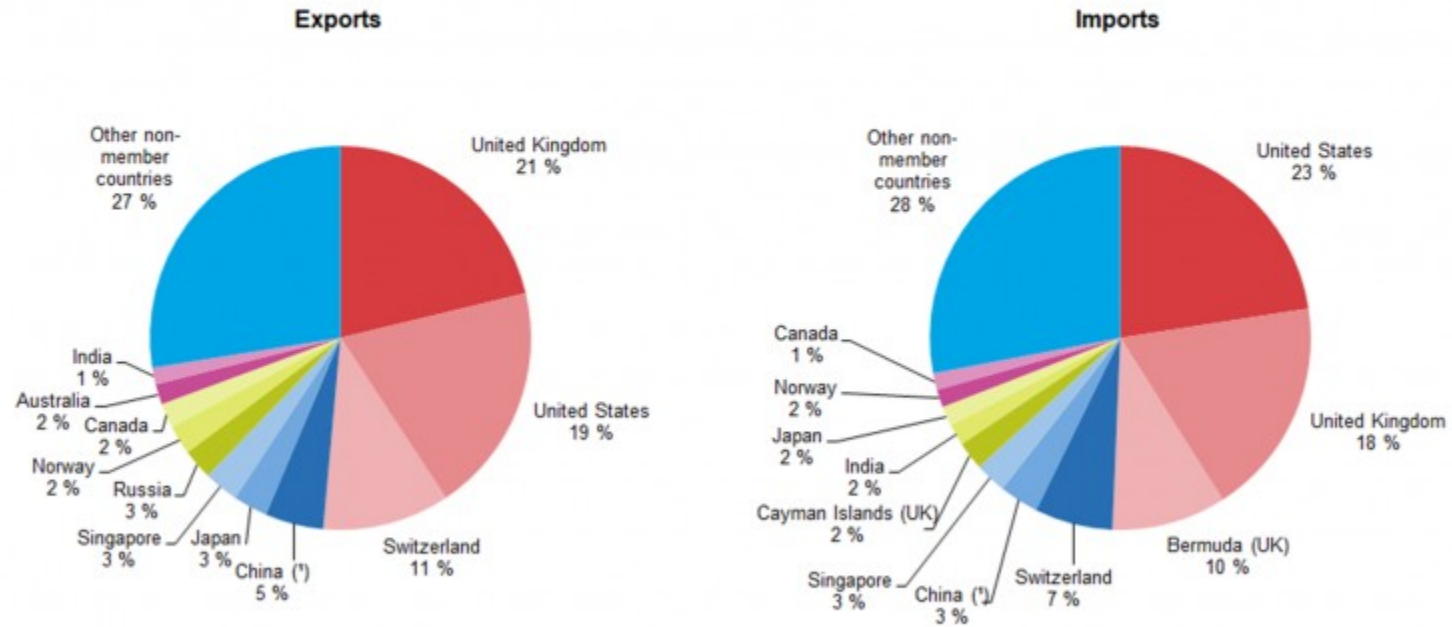


**Share of EU Member States in international trade in services with non-member countries (extra-EU), 2019**  
(% of EU total)



Source: Eurostat (online data code: bop\_its6\_tot)

**Trading partners' share of EU international trade in services with non-member countries (extra-EU), 2019**  
(%)



(\*) Excluding Hong Kong.

Source: Eurostat (online data code: bop\_its6\_tot)