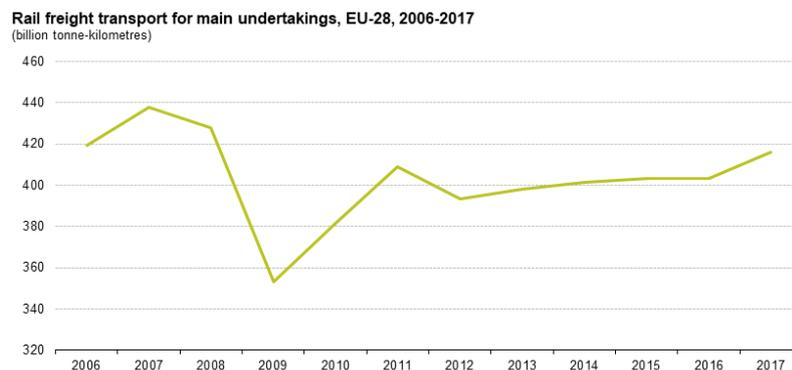


*Data extracted in November 2018.
Planned article update: December 2019.*

This article focuses on recent **rail freight transport** statistics in the **European Union (EU)** . The total performance in the **EU-28** can be estimated at around 416 billion **tonne-kilometres** in 2017.

Positive trend of the EU-28 transport performance since 2013

The evolution of the EU-28 rail freight transport performance between 2006 and 2017 is presented in Figure 1. The EU-28 rail freight transport peaked at 438 billion tonne-kilometres in 2007 after an increase of 4.4 % compared with 2006. A sharp decrease was observed between 2008 and 2009 (-17.4 %), down to 353 billion tonne-kilometres, as result of the economic crisis. A recovery immediately followed with steady increases in 2010 and 2011 (+8.0 % and +7.3 %). After a decline in 2012 (-3.8 %), rail freight transport performance rebounded in 2013 (+1.3 %) and remained relatively stable between 2014 and 2016 (+0.4 %). Eventually, a noticeable increase of rail freight transport performance has been registered in 2017 (+3.2 %), reaching a post economic crisis peak at 416 million tonne-kilometres.



Note: Data for Belgium have been estimated for period 2013-2017. Data for Croatia have been estimated in 2016. Quarterly data have been used for Belgium in 2012 and for Luxembourg for the period 2008-2011.

Source: Eurostat (online data codes: rail_go_typepas and rail_go_quartal)

eurostat

Figure 1: Rail freight transport for main undertakings, EU-28, 2006-2017 (billion tonne-kilometres) Source: Eurostat (rail_go_typepas) and (rail_go_quartal)

The evolution of the EU-28 rail freight transport performance at quarterly level is presented in Figure 2. At quarterly level, the movements were more erratic. No seasonal pattern can be identified according to the trend observed. Post economic crisis, a peak of activity was reached in the 2nd quarter of 2011 with 104 billion

tonne-kilometres. Since this period, the transport performance never went below 93 billion tonnes (lowest point reached in 1st quarter 2013). Focusing on 2017, transport performance substantially increased in all quarters compared to the same quarters of previous year (+7.1 % in the 1st quarter, +3.1 % in the 2nd quarter, +3.6 % in the 3rd quarter, +1.1 % in the 4th quarter).

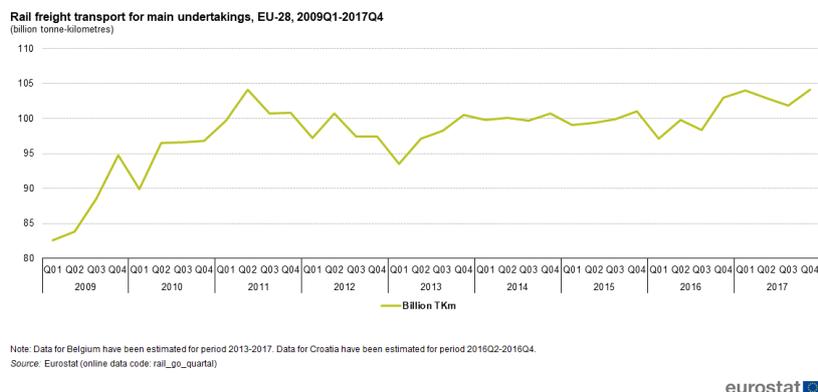


Figure 2: Rail freight transport for main undertakings, EU-28, 2009Q1-2017Q4 (billion tonne-kilometres) Source: Eurostat (rail_go_quartal)

Year-to-year development differs significantly at national level

The change in transport performance between 2016 and 2017 is presented for each reporting country in Figure 3. A growth in transport performance between 2016 and 2017 was registered for seventeen EU Member States, the EFTA country Norway, and the candidate countries Montenegro, the former Yugoslav Republic of Macedonia and Turkey. In absolute terms, Germany recorded the largest decrease between 2016 and 2017 (-3.9 billion tonne-kilometres), followed by Latvia (-0.9 billion tonne-kilometres) and Italy (-0.3 billion tonne-kilometres). In contrast, four countries reported absolute increases of more than 1 billion tonne-kilometres over the same period, namely Poland (+6.2 billion tonne-kilometres), Hungary (+2.8 billion tonne-kilometres), Lithuania (+1.6 billion tonne-kilometres) and Romania (+1.5 billion tonne-kilometres).

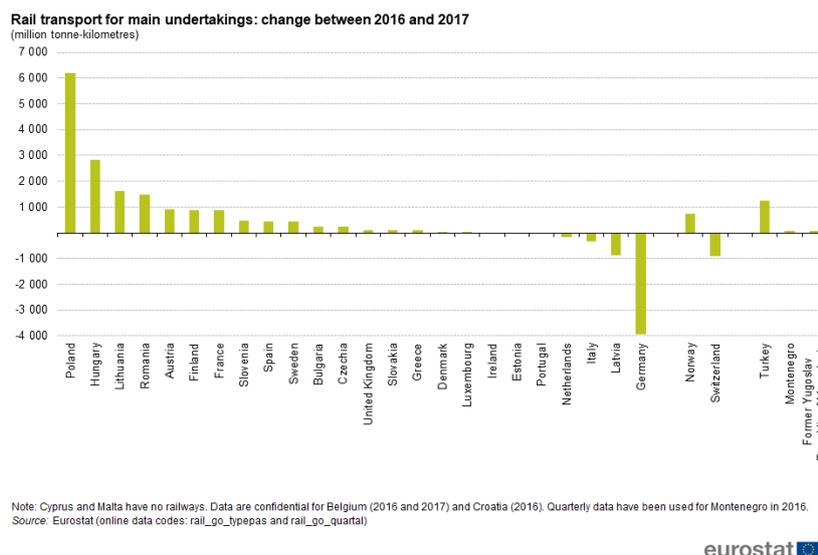


Figure 3: Rail transport for main undertakings change between 2016 and 2017 (million tonne-kilometres) Source: Eurostat (rail_go_typepas) and (rail_go_quartal)

The change in tonnes of freight transported between 2016 and 2017 is presented for each reporting country in Figure 4. The picture is slightly different compared with transport performance in tonne-kilometres. Indeed,

sixteen EU Member States, along with Norway, Montenegro, the former Yugoslav Republic of Macedonia and Turkey, registered an increase between 2016 and 2017, while a drop was observed for eight EU Member States and Switzerland. In absolute terms, Germany recorded the largest decrease between 2016 and 2017 (-15.0 billion tonnes), followed by Latvia (-4.0 billion tonnes) and the United Kingdom (-2.2 billion tonnes). In contrast, Poland reported an increase of 33.4 billion tonnes and three countries reported absolute increases of more than 4 billion tonnes over the same period, namely Romania (+8.2 billion tonnes), Lithuania (+5.0 billion tonnes) and Austria (+4.7 billion tonnes).

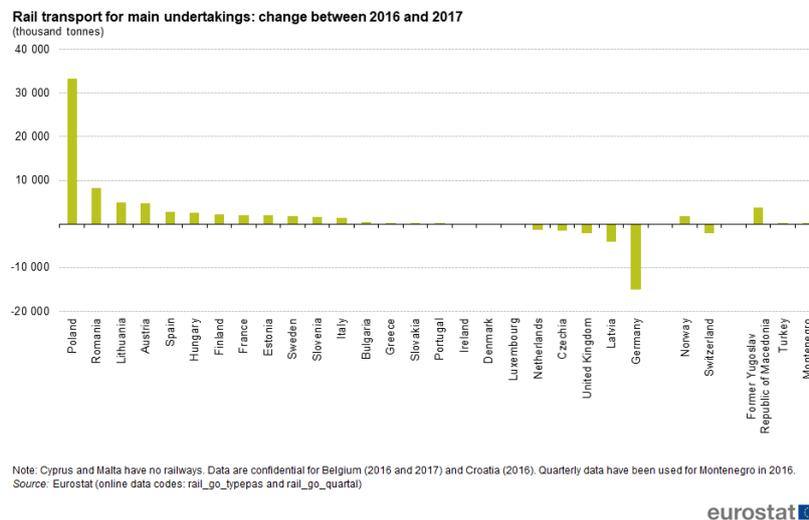


Figure 3: Rail transport for main undertakings _change between 2016 and 2017 (thousand tonnes)
Source: Eurostat (rail_go_typepas) and (rail_go_quartal)

In percentage, the highest increase between 2016 and 2017 in total rail freight transport performance among the EU Member States was recorded by Greece (+41.1 %), followed by Hungary (+26.9 %), Poland (+13.1 %) and Romania and Slovenia (both +12.2 %). Substantial growths were also observed for Montenegro (+50.2 %), the former Yugoslav Republic of Macedonia (+24.6 %), Norway (+22.0 %) and Turkey (+11.0 %). At the other end of the scale, the largest decrease between 2016 and 2017 was registered in Latvia (-5.4 %) followed by Germany (-3.4 %), with a large decrease also observed in Switzerland (-7.8 %)

Geographical location plays a key role in the share of international transport

Rail freight transport performance by type of transport (national, international loadings/unloadings and transit) in total tonne-kilometres performed is shown in Figure 5 and Table 1. The share of international transport in the various countries is strongly linked to their geographical position within Europe. For the EU-28 as a whole, the share of international loadings could be estimated at almost 16 % in 2017, international unloadings at 22 %, transit at 12 % and national at 50 %.

The Member States registering the highest share of international transport are located in key corridors within the European market. In the **Baltic States** of Latvia and Estonia, situated at the border between the EU and Russia, international unloadings accounted for 86 % and 62 % of the total transport performance in 2017, respectively. The Netherlands, strategically situated in the heart of the European market, registered a share of international loadings of 61 % in total tonne-kilometres performed. The key import port of Rotterdam, with large sea/rail transfers of goods dispatched within the European Union, strongly influence these figures. By contrast, countries with specific geographical characteristics (at the periphery of the European Union or islands) recorded a low share of international transport by rail. Small shares are observed for the United Kingdom (3 %) and Denmark (11 %). For such countries, the preferred mode for international freight transport remains maritime transport, goods being delivered at the nearest port to the point of their destination and then being forwarded in the country mainly by road, but also by rail (accounted as national transport). Turkey also recorded a low percentage (3 %) which may also be linked to its peripheral position.

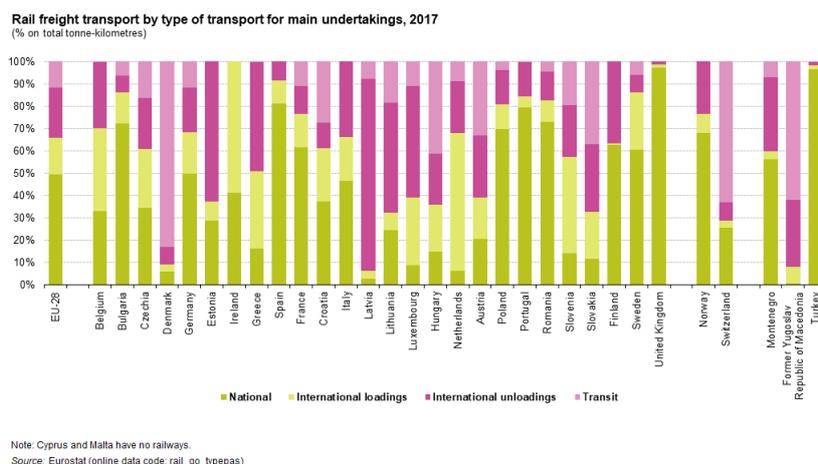


Figure 5: Rail freight transport by type of transport for main undertakings, 2017 (% on total tonne-kilometres)Source: Eurostat (rail_go_typepas)

Regarding transit transport, Denmark registered the highest share in 2017, with 83 %, followed by Switzerland (63 %) and the former Yugoslav Republic of Macedonia (62 %). In contrast, six EU Member States and Norway did not report any transit transport.

When looking at national transport, the highest shares were observed in 2017 for the United Kingdom (97 %), Spain (81 %), Portugal (79 %) , Romania (73 %), Bulgaria (72 %) and Poland (70 %). In contrast, national transport represented only 1 % in the former Yugoslav Republic of Macedonia, 3 % in Latvia, 6 % in Denmark, 7 % in the Netherlands and 9 % in Luxembourg.

The largest increases in national transport performance among the EU member States were observed for Hungary (+26.1 %), Estonia (+17.1 %), Greece (+16.9 %), Poland (+13.0 %) and Bulgaria (+12.2 %). Substantial growth was also registered in Montenegro (+96.1 %), Norway (+23.2 %) and Turkey (+11.7 %). On the contrary, substantial decreases were registered in Luxembourg (-13.7 %), Denmark (-12.0 %) and the former Yugoslav Republic of Macedonia (-11,3%).

For total international transport performance the highest increase was for Greece (+46.8 %) followed by Norway (+19.3 %), Bulgaria (+15.9 %) , Finland (+14.9 %) and Romania (+14.1 %). In contrast, Denmark registered the largest decrease (-10.8 %), followed by Latvia (-9.9 %) and Turkey (-8.8 %).

Regarding transit transport, the highest rise was observed for Latvia (+111.6 %) and Romania (+105.3 %) while the largest decrease was registered by Spain (no transit reported in 2017), followed by Bulgaria (-35.7 %).

Rail freight transport by type of transport for main undertakings, 2016-2017
(million tonne-kilometres)

EU28	2016										2017										Growth rates 2016-2017 (%)									
	National		International		Transit	Total	National		International		Transit	Total	National		International		Transit	Total	National		International		Transit	Total						
	Loadings	Unloadings	Loadings	Unloadings			Loadings	Unloadings	Loadings	Unloadings			Loadings	Unloadings	Loadings	Unloadings			Loadings	Unloadings	Loadings	Unloadings								
Belgium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Bulgaria	2 013	364	215	579	312	2 903	2 259	439	232	671	200	3 130	12.2	20.7	7.7	15.9	-35.7	7.8												
Czechia	5 325	4 061	3 911	7 972	2 321	15 619	5 499	4 127	3 667	7 794	2 550	15 843	3.3	1.6	-6.2	-2.2	8.9	1.4												
Denmark	185	84	231	325	2 195	2 615	163	32	298	2 911	2 653	12.9	12.9	-10.9	-10.8	4.5	1.4													
Germany	57 227	21 968	22 885	44 853	14 085	116 164	56 072	20 850	22 095	42 955	13 203	112 232	-2.0	-5.0	-3.4	-4.2	-6.3	-3.4												
Estonia	575	162	1 583	1 765	0	2 340	674	198	1 453	1 651	0	2 325	17.1	9.1	-8.2	-6.4	-8.6													
Ireland	44	58	0	58	0	101	41	59	0	59	0	100	-5.7	2.5	-	2.5	-	-1.1												
Greece	50	90	114	204	0	254	58	124	175	299	0	358	16.9	38.1	53.6	46.8		41.1												
Spain	7 921	1 030	857	1 887	0	9 688	3 337	1 959	853	1 912	0	10 248	5.2	2.5	-6.5	1.3	-109.0	4.5												
France	20 484	4 691	4 049	8 740	3 345	32 569	20 605	5 049	4 115	9 164	3 672	33 442	0.6	7.6	1.6	4.8	9.8	2.7												
Croatia	0	0	0	0	0	0	334	504	290	884	681	2 509	0	0	0	0	0	0												
Rail	11 192	4 276	7 812	11 291	0	22 394	10 222	4 372	7 430	11 792	0	22 954	-1.5	2.2	5.8	4.4	-	-1.5												
Cyprus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Latvia	391	697	14 255	14 942	540	15 873	406	565	12 912	13 465	1 142	15 614	3.7	-19.3	-8.4	-8.9	111.6	5.4												
Lithuania	3 643	976	7 010	7 995	2 152	13 790	3 772	1 235	7 586	8 821	2 821	15 414	3.5	25.5	8.1	10.3	31.1	11.8												
Luxembourg	22	65	84	180	20	201	19	65	107	171	23	213	-13.7	-1.3	13.3	7.3	15.5	5.9												
Hungary	1 578	2 595	2 701	5 297	3 652	10 526	1 980	2 915	3 052	5 967	5 499	13 356	28.1	8.4	13.0	10.9	59.8	26.9												
Malta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Netherlands	421	4 397	1 498	5 865	355	6 641	423	3 987	1 508	5 475	599	6 467	0.6	-9.8	2.7	-6.7	59.9	-2.6												
Austria	4 438	4 070	6 034	10 104	8 918	21 301	4 584	4 170	9 131	10 301	7 372	22 256	3.3	2.5	1.6	1.9	8.1	4.2												
Poland	33 145	5 253	7 298	12 550	1 647	47 342	37 456	5 940	8 052	14 002	2 096	53 554	13.0	13.1	10.5	11.6	27.2	13.1												
Portugal	2 219	142	404	546	9	2 714	2 185	139	419	557	9	2 795	-1.5	-2.2	3.0	2.0	-8.8	-8.8												
Romania	8 242	1 212	1 541	2 752	291	12 285	10 945	1 330	1 810	3 140	598	12 782	8.7	8.7	17.5	14.1	105.9	12.2												
Slovenia	577	1 694	1 026	2 720	655	3 963	629	1 919	1 028	2 947	871	4 447	9.0	13.3	0.2	8.3	31.0	12.2												
Slovenia	1 082	1 726	2 320	4 056	3 232	8 310	962	1 792	2 593	4 355	3 140	8 477	-9.2	3.2	19.5	7.4	-2.8	1.3												
Finland	6 091	77	3 278	3 355	0	9 445	6 464	70	3 784	3 854	0	10 319	6.1	-8.2	15.4	14.9	9.2													
Sweden	13 044	5 698	1 714	7 472	950	21 406	13 195	5 663	1 709	7 372	1 272	21 838	1.2	-0.6	-0.3	-0.5	33.9	2.0												
United Kingdom	16 624	215	214	429	0	17 053	19 705	245	217	461	0	17 167	6.5	13.7	1.4	7.6	9.7													
Norway	2 236	146	930	1 076	0	3 312	2 756	335	949	1 284	0	4 040	23.2	129.0	2.1	19.3	-22.0													
Switzerland	2 903	323	888	1 221	7 526	11 659	2 740	352	899	1 251	8 754	10 745	-5.8	3.0	0.1	2.4	-19.3	-7.8												
Montenegro	49	5	56	61	3	112	95	8	56	92	32	169	96.1	24.9	-1.2	9.8	-56.2													
Former Yugoslav Republic of Macedonia	3	17	79	96	124	222	2	21	82	103	172	277	-11.3	21.9	4.2	7.4	38.7	24.6												
Turkey	10 971	243	202	445	8	11 424	12 259	224	182	406	11	12 676	11.7	-7.8	-10.1	-8.8	26.9	11.0												

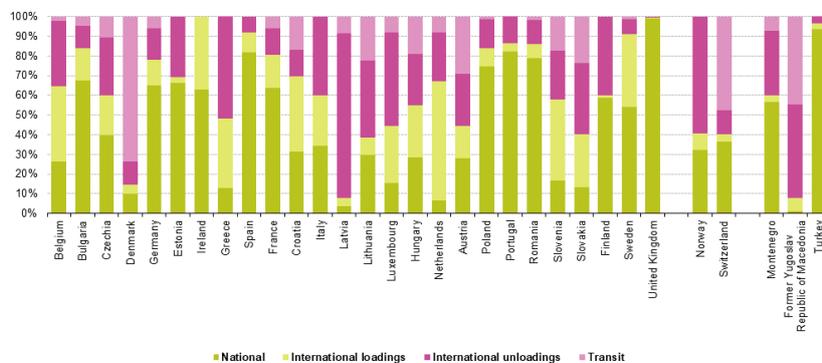
Note: Cyprus and Malta have no railways. '-' not available. 'c' confidential.
Source: Eurostat (online data code: rail_go_typepas)

eurostat

Table 1: Rail freight transport by type of transport for main undertakings, 2016-2017(million tonne-kilometres)Source: Eurostat (rail_go_typeall), (rail_go_typepas)

Rail freight transport by type of transport (national, international loadings/unloadings and transit) in tonnes are shown in Figure 6 and Table 2. The picture for tonnes is quite similar to tonne-kilometres. In 2017, 99 % of goods in tonnes concerned national transport in the United Kingdom but only 4 % in Latvia. The Netherlands registered a share of 61 % of international loadings. By contrast, Finland has only 1 % of international loadings in 2017. The registered shares of international unloadings in 2017 are highest in Latvia (84 %), among all countries, while Ireland does not have international unloadings. In 2017, transit represented 74 % of goods transported by rail transport in Denmark.

Rail freight transport by type of transport for main undertakings, 2017
(% on total tonnes)



Note: Cyprus and Malta have no railways.
Source: Eurostat (online data code: rail_go_typepas)

eurostat

Figure 6: Rail freight transport by type of transport for main undertakings, 2017 (% on total tonnes)Source: Eurostat (rail_go_typepas)

At national level, the biggest increase between 2016 and 2017 was registered in Greece (+39.2 %). In contrast, the highest decrease was observed in Luxembourg (-30.7 %). When looking at international transport, Romania registered the highest increase (+24.3 %), followed by Poland (+23.1 %), while Latvia (+13.5 %) observed the largest decrease, along with Montenegro (-22.8 %).

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