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**Danube Transnational Programme**  
**DIONYSUS**

**Integrating Danube Region into Smart & Sustainable  
Multi-modal & Intermodal Transport Chains**

**Report on cargo transport flows (Status  
quo and forecast)**

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## Abbreviations

Abbreviation	Explanation
<b>AGTC</b>	European Agreement on Important International Combined Transport Lines and Related Installations
<b>GDP</b>	Gross Domestic Product
<b>FAO</b>	Food and Agriculture Organization
<b>NSI</b>	National Statistical Institute
<b>NTM</b>	National Transport Model
<b>SWL</b>	Safe working Load
<b>TEN-T</b>	Trans-European Transport Network

## 1 Focus of the summary report

The report is built on D.T1.2.1 and analyses the current cargo flows in the DR on a country basis and will provide forecasts. The cargo flows will be specified by major cargo types. Input data will come from statistical offices as well as secondary sources such as national Transport Master Plans, EU-funded studies, or other relevant projects carried out in the near past.

## 2 Executive summary

### Austria

- The most important partner country for Austria in terms of traffic volume is still Germany. 68.2 million t were transported to and from Germany in 2019, 50.0 million t of it on the road. 38.6 million t were accounted for by goods vehicles not registered in Austria, and 11.3 million t by Austrian goods vehicles. The transport volume by rail to and from Germany was 17.6 million t. Potential of IWT would be given by the traffic volumes related to German regions with good accessibility to the Danube.
- The total transport volume to and from Hungary in 2019 was 16.7 million t, of which 11.9 million t were transported by foreign vehicles.
- The Germany-Hungary and Hungary-Germany routes together accounted for almost 3.1 million t in 2019, which corresponds to a share of 10.2% (2018: 10.3%).
- In 2020, 8.2 million tons (million t) of goods were transported on the Austrian part of the Danube. Compared to the previous year, this corresponds to a decrease of 3.1% or 0.3 million t compared to 2019. This interrupted the upward trend in 2019, which still showed an increase of 18.2% or 1.3 million t.

### Bulgaria

- Total imports from Austria, Hungary and Germany by road counts for 1.15 million tones in 2018. Depending of the production region in Bulgaria, part of these volumes might shift to IWT transport. Currently, IWT imports counts for 50 thousand tonnes from the three countries.
- Total exports to Austria, Hungary and Germany by road counts for 0.94 million tones in 2018. Depending of the production region in Bulgaria, part of these volumes might shift to IWT transport. Currently, IWT exports counts for 130 thousand tonnes to the three countries.

Transport is one of the main sectors of the Bulgarian economy, which has been developing rapidly in recent years. Significant credit for this goes to road cargo transport, which occupies a leading position in terms of the quantities of goods transported and the transport work performed in the national transport system.

There is no one and single information/coordination system for all transport modes in Bulgaria. Each participant in the logistic process makes his own transport coordination. It is often the case, for example, of missing of trucks which have to deliver cargo to or to load cargo from ports.

The cargo flows in Bulgaria can vary between the different modes of transportation. Domestic cargo transport in the country is almost exclusively by road and rail at the present. The goods transported by sea and inland waterways are minimal quantities - less than 1% of the total transported goods on inland waterways and less than 0.2% on sea transport.

The total cargo turnover for the period 2010 - 2018/2019 is about 135 million tonnes/year on average, varying from -8.7% to + 10.3%. In 2019, however, there was a decrease of 25 million tonnes compared to the previous year, from 131 million tonnes to 106 million tonnes, which can be explained only by the economic situation. A decrease was also registered in rail transport - by about 500 thousand tonnes, or 5%, but it was much more significant in road transport - by 23.5 million tonnes, or 20% less than 2018.

International transport of imported and exported goods is done mainly by sea and road, which represents over 88% of the total transported goods, with an advantage for sea transport over road transport. Ro-Ro transport is carried out mainly by river transport.

Exports of goods by combined transport grew steadily in the analysed period with an annual average rate of 5.6% from 1.9 million tonnes in 2015 to 2.2 million in 2018. The average relative share of combined transport of total exports was 7.4%. This segment is completely dominated by maritime transport.

The main share of the cargo turnover in the Bulgarian ports belongs to liquid bulk cargo and it varies between 38% to 50%. The largest cargo turnovers were reached in 2008 and 2013, which is mainly due to the large export of grains. For the other types of cargo (general cargo), after the strong decrease in 2009 and 2010, there has been a slight increase. The biggest decrease can be seen in ro-ro cargo. In the period 2014 - 2017, the main share of the transported goods through the Bulgarian river ports falls on ore, agricultural products, metals and metal products.

In the Integrated Transport Strategy of Bulgaria for the Period Until 2030 are presented medium and long-term forecasts for the cargo turnover in the Bulgarian ports until 2050. In the Strategy three scenarios for the economic development of Bulgaria were drafted: pessimistic, optimistic and realistic. Taking into account the higher economic growth registered in Bulgaria in the 2014 – 2018 period, when compared with the realistic growth from the Strategy, the forecast for the base 2018 has been updated and the reported growth by the NSI for 2019 of 3.4%. A 11.22% growth is expected in 2027 compared to 2018 and respectively – 22.95% growth in 2034 compared to 2018.

Agricultural products, cereals and oilseeds in particular, will take the biggest share of the transported cargo in the future. The second place will be for raw materials, followed by products of the chemical industry, fuels and other cargo. Coal shipments will be significantly reduced.

The main economic centres, which have a potential for the building of intermodal terminals to service the demand for combined railway-road transport are Ruse, Vidin and Lom.

## **Croatia**

Data from Croatia has been received in relation to the port of Vukovar.

## Hungary

Road freight transport is the most significant mode of transport in 2019; the performance of road freight transport in 2019 was 23,382 million freight tonne-kilometres; this, although it represents a 17% decrease compared to 2015 performance - and shows the largest decrease among all modes of transport - is nevertheless a list leader in 2019: 57% of all freight tonne-kilometres travelled.

The performance of rail transport in 2019 accounted for 21% of total performance, water transport for 5.1% and pipeline for 15%. The performance of water transport in 2019 is 116% of the performance of 2015, that of rail transport is 107%, and pipeline transport is 180% of the previous value.

All in all, road freight transport is of paramount importance and shows good performance. With regard to high-value and fast-moving shipments, the share of roads has been growing steadily - it is no coincidence that the express network and the associated on-road network have expanded significantly over the last 15 years.

Regarding international road transport, Hungary's main export partners were Austria, Germany, Italy, Slovakia and Romania. In terms of import traffic, Austria also came in first, followed by Germany, Slovakia, Italy and Romania with the most goods arriving by road in 2018. Although low-impact transport and intermodal solutions are a high priority for EU and national transport policy, road transport is likely to remain a priority in the future.

At the same time, rail and waterborne freight transport in Hungary cannot compete with road transport, and its market segment is mainly limited to high-volume, high-demand goods.

Due to the intermodal connection points, which are usually not modern, and the inadequate modernization of the logistics systems, the related waiting times and transport times are significant - although the government's intention to develop is constantly being put into action.

In rail transport, the country's main trading partners were Austria, Slovakia, Italy, Germany, Romania, and non-EU countries were Ukraine, Russia and Serbia. The main destinations for rail transit through the country are Romania, Germany, Austria, Slovakia and Slovenia. In 2018, Romania, Slovakia and Poland led the list of countries sending goods in transit.

In terms of rail freight transport, the most significant directions are the Budapest - Hegyeshalom and Budapest - Sopron relations, as well as the Budapest - Kelebia and Budapest-Lökösháza directions, as well as the traffic to the Záhony area via the Miskolc and Debrecen routes. At the border points belonging to these connections, the largest outbound and inbound transit traffic appears. (There is a similar trend on the parallel roads.) The north-south transport corridor, which is also connected to the automotive axis and passes through Western Hungary, is also outstanding.

Waterborne freight transport is practically limited to the Danube ports. One third of the total volume of goods transported by inland waterways is loaded at the three large national public ports (Baja, Csepel and Győr-Gönyű). According to inland port statistics, in 2018, 86% of goods were traded with EU member states. Serbia outside the EU was also an important partner. In 2018, goods imported to Hungary by inland water came from Austrian, Romanian and Serbian ports. The most important destinations for Hungarian exports were Romanian ports.

The average transport distance is 184 kilometres by road and 202 kilometres by rail.

However, as a result of the coronavirus epidemic, a drastic reorientation is likely in the medium term in terms of modes of transport, transport directions and goods transported (reduction in consumption, shortening of supply chains, etc.).



In terms of exports of the food and live animals product category, the country's number one partner is Italy (27,343,769 glazes), beverages and tobacco Romania (1,104,591 glazes), crude materials Austria (23,816,059 glazes), mineral fuels, lubricants and related materials Ukraine (29,184,348 glazes), animal and vegetable oils, fats and waxes the Netherlands (1,936,237 glazes), chemicals and related products Poland (7,842,826 glazes), manufactured goods classified chiefly by material Germany (10,358,695 glazes), machinery and transport equipment Germany (15,269,221 glazes), for miscellaneous manufactured articles, Germany (2,613,454 glazes), commodities and transactions not classified elsewhere in sitc (116,902 glazes).

Germany (6,080,667 glazes), Poland (1,517,486 glazes) for beverages and tobacco, Romania (22,889,249 glazes) for crude materials, Russia (128,101,374 glazes) for mineral fuels, lubricants and related materials, animal and vegetable oils, fats and waxes for the Czech Republic (392,333 glazes), chemicals and related products for Germany (8,592,978 glaze), manufactured goods classified chiefly by material for Slovakia (20,941,451 glaze), machinery and transport equipment for Germany (20,589,943 glazes), for miscellaneous manufactured articles Germany (2,139,912 glazes) and for commodities and transactions not classified elsewhere in sitc Poland (1,018 glazes).

## Romania

Total imports of Romania from the DR countries count for 10.16 million tonnes as from NTM estimations for 2020. Road transport imports counts for 7.2 million tonnes, rail for 2.23 million tonnes and IWT for 0.7 million tonnes.

Highest imports are from Hungary, with 5.04 million tonnes, of which IWT counts for 45 thousand tonnes. And road transport for 4.42 million tonnes. The North-West and West regions of Romania are leading the imports from Hungary with 1.65 and 1.07 million tonnes.

Regarding the exports of Romania to the DR countries, as from the NTM the total volume for 2020 is 10.41 million tonnes, of which 0.92 million tonnes by IWT, 1.96 million tonnes by rail and 7.53 million tonnes by road.

Highest exports are to Hungary with 5.08 million tonnes, of which 27 thousand tonnes by IWT, 454 thousand tonnes by rail and 4.6 million tonnes by road. The North-West and West regions of Romania are leading the exports to Hungary with 1.75 and 1.08 million tonnes.

## Slovakia

Data from Slovakia has not been received.



### 3 Methodology

The methodology is based on the following elements:

- Collect data on current cargo flows in DR at NUTS2 and/or country level
- Type of goods at NSTR1 level
- Consider the transport chain structure for data collection and analysis
- Forecasts based on existing studies, statistics and reports.

Data for each country has been retrieved based on the existing information. Data for Slovakia and Serbia has not been received for the period 2015 - 2019. Forecasts have been received from Bulgaria, Hungary and Romania. For Romania the 2020 and 2040 NTM estimates have been considered.

## 4 Data collection base year 2019 and 2015 – 2019 period

- Data category: cargo trade flows
- Data sources for each data category available in the country and at international level
- Data collection at transport chain level as follows:
  - o Origin of transport flows
  - o Transport mode at origin
  - o Transhipment location no. 1 (region of the port/terminal)
  - o Transport mode between transhipments
  - o Transhipment location no. 2 (region of the port/terminal)
  - o Transport mode at destination
  - o Destination of the transport flow

Data sources:

- COMEXT
- Other national data
- National Transport Master Plan

As data on transport chain structure has not been received/identified, direct transport information has been considered from various sources.

## 5 Cargo transport flows 2015 – 2019

### 5.1 Identification and presentation of the main cargo transport flows corridors

#### Austria

##### 5.1.1 Modal Split 2019

##### Modal split - freight transport

The shares of the road, rail and inland waterway modes of transport are as follows in 2019: Road transport accounted for the largest share of 84.3% of the transport volume, with goods vehicles registered in Austria accounting for 56.2% and foreign vehicles with 28.1% had. Rail and inland waterways accounted for a much smaller share of 14.5% and 1.2%, respectively.

With regard to the transport performance - since the distance covered is taken into account here - there is a clear shift in the proportions. Even if the road transport mode is also the highest here with a share of 69.9%, the shares for rail (27.9%) and inland waterways (2.2%) are both almost twice as high as for transport volume. Since goods vehicles registered in Austria mostly travel on short domestic routes and foreign vehicles cover longer distances as part of cross-border transport, there is also a massive shift in the shares here. The foreign goods vehicles generate a share of 45.7%, the Austrian one of 24.3%.

In 2019, the total transport volume of all modes of transport in Austria was 784.0 million t. This corresponds to an increase of 3.0% compared to the previous year (2018: 761.0 million t). 398.4 million t of the total transport volume were provided by goods vehicles registered in Austria, which corresponds to an increase of 2.3% (2018: 389.5 million t). Foreign goods vehicles transported 199.6 million ton Austria's roads and recorded the greatest increase of 8.2% compared to the previous year (2018: 184.4 million t). Overall, the road transport volume resulted in a transport volume of 598.0 million t and an increase of 4.2% (2018: 574.0 million t). Transports on the Danube waterway rose by 18.2% to 8.5 million t in 2019 after a year characterized by low water and thus a reduced transport volume (7.2 million t). The transport volume for pipelines increased only slightly by 0.6% to 74.6 million t (2018: 74.3 million t). The only decrease in transport volume was recorded on the rail in 2019. The transported tonnage decreased by 2.6% to 102.6 million t (2018: 105.3 million t). A comparatively low transport volume, roughly unchanged from the previous year, of 0.2 million t was achieved in aviation.

The total domestic transport performance increased by 2.7% compared to 2018 (93.0 billion tkm) to 95.5 billion tkm in 2019, with the largest increase of 7.0% in the transport performance of foreign vehicles. came to 35.6 billion tkm (2018: 33.3 billion tkm) compared to the previous year. Those of the Austrian vehicles increased in 2019 by 1.7% to 18.9 billion tkm. Overall, the transport performance on Austrian roads increased by 5.1% to 54.5 billion tkm (2018: 51.9 billion tkm). On the waterway there was an increase of 15.2% to 1.7 billion tkm (2018: 1.5 billion tkm). In contrast, there was a decrease

in the transport performance by rail by 1.2% to 21.7 billion tkm (2018: 22.0 billion tkm and for pipelines by 0.3% to 17.6 billion tkm (2018: 17, 6 billion tkm)

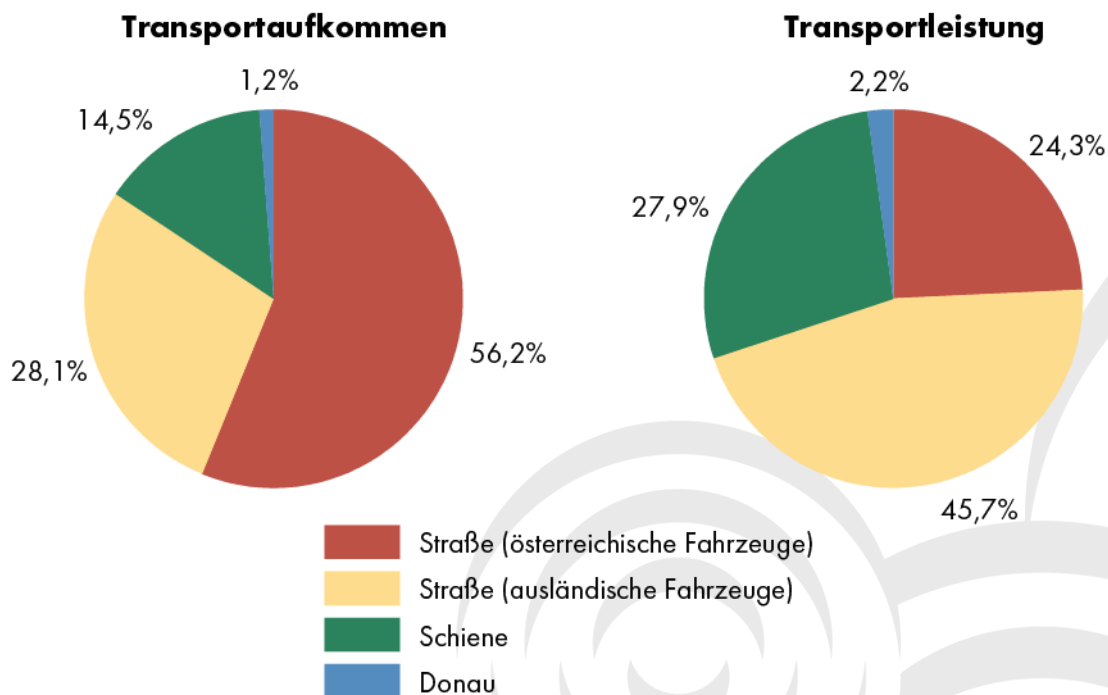
### Most important partner countries

The most important partner country for Austria in terms of traffic volume is still Germany. 68.2 million t were transported to and from Germany in 2019, 50.0 million t of it on the road. 38.6 million t were accounted for by goods vehicles not registered in Austria, and 11.3 million t by Austrian goods vehicles. The transport volume by rail to and from Germany was 17.6 million t. From and to Italy (total tonnage: 23.1 million t), the largest volume of goods was also transported by road freight vehicles not registered in Austria (14.8 million t). 4.3 million t were transported by rail and 3.9 million t were transported by road freight vehicles registered in Austria.

Transports to and from the Czech Republic (total tonnage: 17.4 million t) were also carried out most frequently by foreign road freight vehicles (12.9 million t); A transport volume of 3.6 million t was recorded for these routes by rail. Austrian vehicles carried 0.9 million t to and from the Czech Republic. The total transport volume to and from Hungary in 2019 was 16.7 million t, of which 11.9 million t were transported by foreign vehicles. The rail came to 2.8 million t, Austrian vehicles to 0.6 million t.

Figure 1: Modal Split, ROAD/RAIL/WATERWAY Danube

## Modal Split: Anteile der Verkehrsträger in Österreich 2019



Q: STATISTIK AUSTRIA, Verkehrsstatistik. Eurostat. ASFINAG. Erstellt am 15.01.2021.

Figure 2: Freight transport of all modes of transport by transport sector in Austria in 2019

Traffic Area	Units	Modes of Transport				
		ROAD		RAIL	IWT (Danube)	Pipeline
		Austrian Vehicles	Foreign Vehicles			
Domestic Transport	1.000 Tons	377.350	8.856	28.013	254	.
	1.000 tkm Inl.	16.693.136	1.268.603	4.416.222	21.742	.
Cross-border IMPORT of goods	1.000 Tons	9.943	60.954	27.206	4.193	.
	1.000 tkm Inl.	1.000.051	7.685.793	5.770.134	763.913	.
Cross-border EXPORT of goods	1.000 Tons	9.879	53.195	17.054	2.259	.
	1.000 tkm Inl.	1.063.819	7.822.466	4.026.523	322.637	.
Transit Traffic	1.000 Tons	1.204	76.588	30.302	1.806	.
	1.000 tkm Inl.	148.135	18.815.867	7.522.918	606.357	.
TOTAL	1.000 Tons	398.375	199.593	102.575	8.512	74.673
	1.000 tkm Inl.	18.905.141	35.592.729	21.735.797	1.714.649	17.591.366

### 5.1.2 Cargo Transport Railway System 2019

#### Transport volume and transport performance by rail fell for the second year in a row in 2019

In 2019, the transport volume on the Austrian rail network fell by 2.6% to 102.6 million tonnes (million t), according to Statistics Austria. The domestic transport performance in 2019 was a total of 21.7 billion tonne-kilometers (billion tkm), 1.2% lower than in 2018. This means that both the transport volume and the transport performance were below the values of 2018 (105.3 Million t or 22.0 billion tkm) and 2017 (107.6 million t or 22.3 billion tkm).

#### Transport volume is greatest in transit traffic

The largest share of the transport volume in 2019, at 29.5%, came from transit traffic (30.3 million t). Slightly more than a quarter of the total transport volume was assigned to domestic traffic (27.3% with 28.0 million t) or cross-border receipt (26.5% with 27.2 million t). The smallest share (16.6%) was accounted for by cross-border shipments (17.1 million t). In terms of volume, there was a slight increase in cross-border receipts compared to the previous year (+ 0.6%), whereas the volumes in cross-border dispatch (-4.3%), in domestic traffic (-3.7%) and in transit traffic (- 3.2%).

#### More than half of the tonnage is carried over distances of more than 300 kilometers

The average transport distance by rail in 2019 was 211.9 kilometers (km). 55.1% of the tonnage (2018: 53.3%) was carried on distances of more than 300 km, 38.4% (2018: 36.5%) on distances of more than 500 km.

#### 89% of the total tonnage carried by domestic railways

In 2019, the domestic railways accounted for 89.1% (91.4 million t) of the total tonnage or 91.4% (19.9 billion tkm) of the total transport performance. With the exception of domestic transport, foreign railways were active in all transport sectors, with a total of 11.2 million t (share: 10.9%) and almost 1.9 billion tkm (share: 8.6%) being allocated to them.

#### Ores, stones and earth most frequently transported

Of the total of 102.6 million t of goods transported in the reporting year, 12.4 million t or 12.1% were accounted for by "ores, stones and earth; other mining products; peat; uranium and thorium ores", followed by "metals and semi-finished products made from them; metal products, excluding machines and equipment" with 7.4 million t and a share of 7.2% as well as "agricultural, hunting and forestry products; fish and fishery products" with around 7.2 million t and one Share of 7.0%. 41.0 million t or 40.0% of the reported tonnage were reported as "unidentifiable goods" because often no information was available about the type of goods transported in intermodal transport units.

9.6 million t (share: 9.4%) were classified as dangerous goods, of which 6.4 million t two thirds (share: 66.1%) were "flammable liquids", followed by "corrosive substances" with 1.3 million t and "various dangerous substances and objects" with 0.9 million t (shares: 13.1% and 9.6% respectively).

### Around 1.8 million containers, swap bodies and semitrailers are transported

In 2019, almost 1.8 million containers, swap bodies and semitrailers with a total transport weight of 35.5 million t were transported in unaccompanied freight traffic, of which almost every fifth transport container (19.7%) was empty. Almost 2.4 million twenty-foot equivalents (TEU; see method box) were accounted for by loaded and almost 0.5 million TEU by unloaded transport units.

### 44% of goods in transit are transported between Germany and Italy

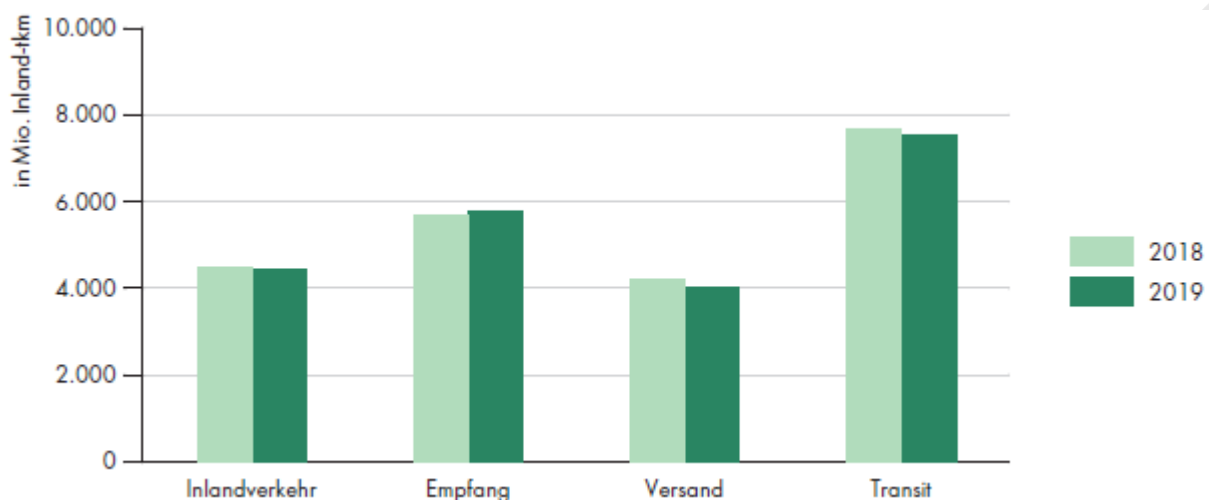
22.1 million t or 73.0% (2018: 74.3%) of the goods carried in transit traffic were loaded or unloaded in Germany. 7.7 million t of this were loaded in Germany and unloaded in Italy, 5.8 million t went in the opposite direction. This means that the country pair accounted for 44.4% (2018 share: 46.5%) of the total tonnage carried in transit. The Germany-Hungary and Hungary-Germany routes together accounted for almost 3.1 million t in 2019, which corresponds to a share of 10.2% (2018: 10.3%).

(source: [http://www.statistik.at/web\\_de/statistiken/energie\\_umwelt\\_innovation\\_mobilitaet/verkehr/schiene/123269.html](http://www.statistik.at/web_de/statistiken/energie_umwelt_innovation_mobilitaet/verkehr/schiene/123269.html))

**Figure 3: Transport performance in rail freight transport in Austria by transport sector in 2018 and 2019**

(Inland/Import/Export/Transit)

(Source: Verkehrsstatistik 2019)



### 5.1.3 Cargo Transport Road System 2019

#### Road freight transport of Austrian companies

In the 2019 reporting year, Austrian road haulage companies made 30.1 million (million) loaded journeys (2018: 29.4 million) and a transport volume of 402.2 million tonnes (t), an increase of 2.3 % or 8.9 million t. In domestic traffic, the transport volume increased in 2019 by 2.7% or 9.8 million t to 377.3 million t. In 2019, a share of 93.8% (2018: 93.5%) of the total tonnage transported by Austrian companies was carried exclusively in domestic traffic, of which 320.9 million t (share: 85.0%; +2, 9%) were transported over a distance of up to 80 kilometers. In the transport areas that are less important in terms of quantity, decreases were observed in some cases. In cross-border receipts, the transport volume of 9.9 million t was 3.8% below the previous year's level. Cross-border shipments decreased by 7.0% to also 9.9 million t. In transit traffic there was an increase of 23.1% to 1.2 million t. A slight increase in transport was also reported for other international transport with an increase of 0.3% to 3.8 million t.

The transport performance (product of transport volume and distance traveled) by Austrian companies rose within the federal territory by 1.7% to 18.9 billion tonnes kilometers (billion tkm). Outside Austria, this increased by 6.0% to 7.6 billion tkm. This means that the domestic route accounted for 71.3% (2018: 72.2%) of the total transport performance (26.5 billion tkm) in 2019.

The transport volume of the commercial haulage companies was 220.8 million t in 2019, which corresponds to an increase of 1.3% or 2.8 million t compared to the previous year. In factory traffic, the increase in transport was slightly higher at 3.5 % or 6.1 million t to 181.4 million t. Commercial haulage companies thus accounted for 54.9% and factory traffic for 45.1% of the total tonnage in the 2019 reporting year.

#### Freight traffic on Austria's roads

In 2019, the transport volume on Austria's roads by domestic and foreign goods vehicles totaled 598.0 million (million) tonnes (t). This meant an increase of 4.0% compared to the previous year (575.2 million t). Transport performance recorded a total of 54.5 billion (billion) tonnes-kilometers (tkm) in Germany in the same period, an increase of 4.6% (2018: 52.1 billion tkm).

The majority of the transport volume (66.6% or 398.4 million t) was accounted for by goods vehicles registered in Austria. Domestic traffic, which made up the largest share of the transport volume with a total of 386.2 million t, rose by 2.4% compared to the previous year. The share of Austrian vehicles in total domestic traffic was 97.7%. In cross-border receipts (70.9 million t) and cross-border dispatch (63.1 million t), the share of the transport volume generated by Austrian vehicles was 14.0% (9.9 million t) and 15.7% (9.9 million t) lower. Compared to the previous year, these two traffic areas increased by 5.7% and 9.4% respectively. Transit traffic (77.8 million t), to which goods vehicles registered in Austria only made a marginal contribution of 1.5% (1.2 million t), increased in the reporting year by 6.0% compared to 2018.

At 34.7% (18.9 billion tkm), the share of Austrian goods vehicles in the domestic transport performance was lower than in the transport volume, which can be explained primarily by the longer

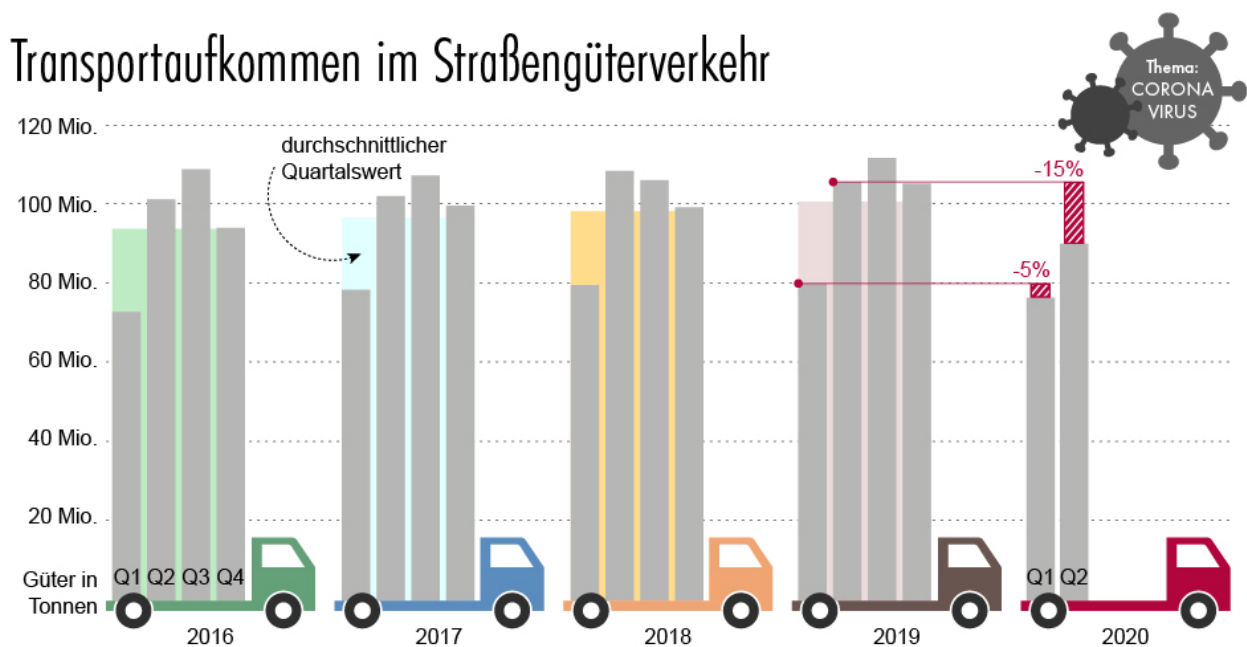


distances traveled by foreign vehicles in transit traffic. The 19.0 billion tkm in transit, 99.2% of which were carried out by foreign goods vehicles, made up more than a third of the total transport performance.

The third countries estimated from the toll data contributed with 9.5 million t to 1.6% of the total transport volume and with 2.1 billion tkm to 3.9% of the total transport performance.

(Source: [http://www.statistik.at/web\\_de/statistiken/energie\\_umwelt\\_innovation\\_mobilitaet/verkehr/strasse/gueterverkehr/index.html](http://www.statistik.at/web_de/statistiken/energie_umwelt_innovation_mobilitaet/verkehr/strasse/gueterverkehr/index.html))

**Figure 4: Transport in tonnes, on ROAD, 2016 - 2020**



(Source: Statistik Austria)

#### 5.1.4 Cargo Transport Inland Waterway System

In 2020, 8.2 million tons (million t) of goods were transported on the Austrian part of the Danube. Compared to the previous year, this corresponds to a decrease of 3.1% or 0.3 million t compared to 2019. This interrupted the upward trend in 2019, which still showed an increase of 18.2% or 1.3 million t.

With a number of 8,071 transports (-0.3% or -23), a total transport performance (domestic and international routes) of 7.5 billion tonne-kilometers (billion tkm) was achieved, which is a decrease of 10.2% or 0.9 billion tkm. On the domestic route, this decreased by 6.3% to 1.6 billion tkm. The average load factor per loaded kilometer was 57.1% and thus 5.2% below that of the previous year.

In cross-border receipts, a decrease in the transport volume of 4.9% or 0.2 million t to 4.0 million t was observed in 2020. Cross-border shipments fell by 8.8% or 0.2 million t to 2.1 million t, and transit traffic saw a drop in transport of 11.3% or 0.2 million t to 1.6 million t. Domestic traffic, which is less significant in terms of volume, recorded a strong increase of 0.3 million t to 0.6 million t (+

134.5%), which was primarily due to the increased freight transport in the "stone, earth, mining products; peat" department.

For the individual goods departments of the NST2007, the uniform goods directory for transport statistics, decreases were recorded almost across the board in 2020. In the "Agriculture, Forestry, Fisheries" department, the transport volume was 1.8 million t, 9.0% or 0.2 million t below the previous year's figure. The transports of "coke oven and mineral oil products" decreased by 11.5% or 0.2 million t to 1.2 million t and those of "metals and semi-finished products; metal products" by 14.3% or 0.1 million t to 0.9 million t. For the department "stones, earth, mining products; peat", however, an increase of 13.0% or 0.4 million t to 3.1 million t was reported.

### **Waterside Cargo handling on the Danube**

The waterside cargo handling - i.e. the total of goods loaded and unloaded on the water - was at 7.2 million t in 2020, 0.3 million t (+ 4.0%) above the previous year's figure. With the exception of the Vienna ports, all ports and landing stages achieved increases in water handling on the inland section of the Danube.

In the ports of Linz in 2020, 3.4 million tonnes were loaded and unloaded by 2.1% or 0.1 million tonnes more goods. In the port of Enns, water handling increased by 18.2% or 0.1 million t to 0.9 million t, in the port of Krems there was an increase of 23.4% to 0.5 million t. In the Vienna ports, however, the volume handled by water fell significantly by 26.4% to 0.9 million t. All other ports and landing stages (including dredging and unloading in the Danube basin) came together to 1.5 million t, which corresponds to an increase of 25.5% compared to 2019.

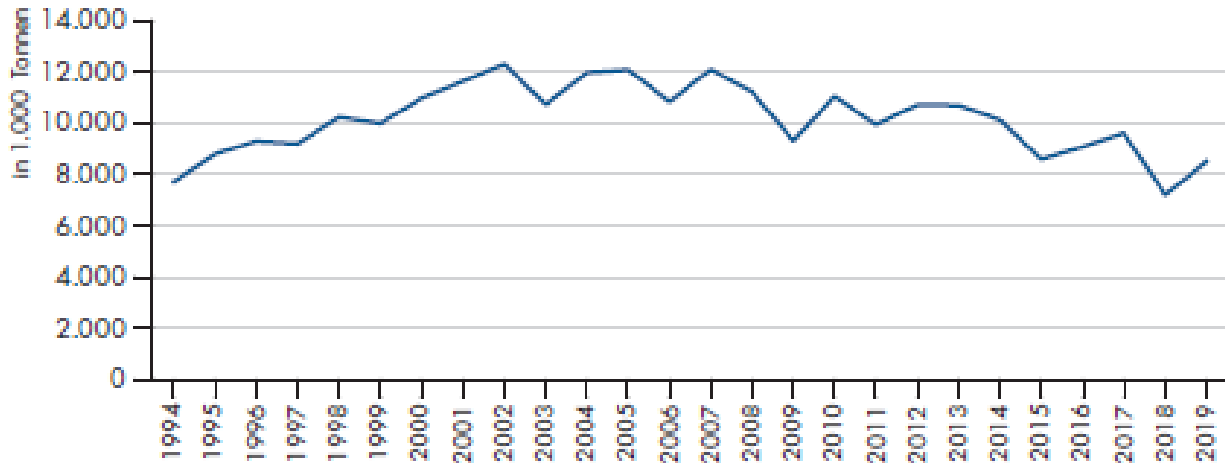
### **Locking in shipping traffic**

The number of passenger ships locked in the nine Austrian locks along the Danube fell in 2020 by 85.7% or 44,802 to only 7,483 locks. In the previous years, however, continual increases were observed (2017: + 5.6% to 44,020; 2018: + 7.1% to 47,141; 2019: + 10.9% to 52,285). The sharp decline in 2020 is therefore to be seen in connection with the Corona crisis.

In contrast, the number of cargo ships locked in place decreased by only 3.6% or 2,363 to 63,523 lockings in 2020. However, the constant increase observed in passenger ships was not evident in the case of freight ships in previous years. In 2017, 76,334 (+ 5.2%) goods ships were smuggled before there was a 19.1% decrease in 2018 - due to the low water levels - to 61,770. In 2019, an increase of 6.7% to 65,886 freight ships was observed again.

*(Source: [http://www.statistik.at/web\\_de/statistiken/energie\\_umwelt\\_innovation\\_mobilitaet/verkehr/binnenschiff\\_fahrt/index.html](http://www.statistik.at/web_de/statistiken/energie_umwelt_innovation_mobilitaet/verkehr/binnenschiff_fahrt/index.html))*

**Figure 5: Transport volume on the Danube from 1994 to 2019**



*(Source: Verkehrsstatistik 2019)*

## Bulgaria

The cargo flows can vary between the different modes of transportation. The following table shows information about the amount of goods (in thousand tonnes) processed (import+export) through the various modes of transport during international shipping.

**Table 1: Amount of goods processed by mode of transportation (2015-2019)**

Transport mode	2015	2016	2017	2018	2019	Average (2015-2019)
IWW	2873	2771	2613	2697	2968	2784.4
Sea	27166	28685	30953	27868	30997	29133.8
Railway	4339.1	4548.7	4655.8	4390.2	5054.7	4597.7
Road	N/A	8407	8680	5900.2	4687.8	6918.75
Air	31.7	33	34.8	29.9	28.7	31.6

Source: NSI

The scope of the Trans-European Transport Network (TEN-T) on the territory of Bulgaria is presented on the following maps:

**Figure 6: Railway network, terminals and ports**



**Figure 7: Road network, terminals and ports**



The network is subdivided into 9 corridors, which focus on the more general objectives of transport policy and aim to facilitate interoperability, the integration of different types of transport and multimodal operations:

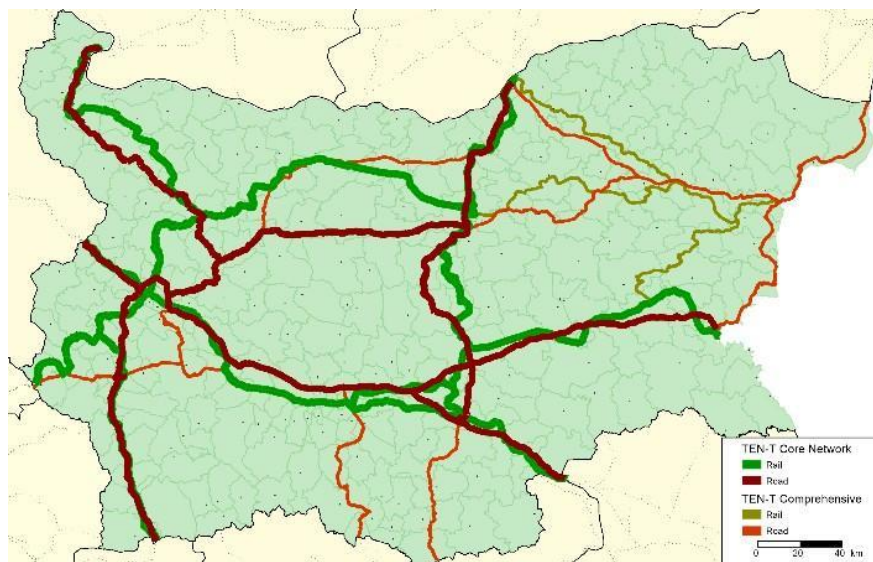
- The Eastern-Mediterranean corridor, which crosses the country on the route Vidin - Sofia - Kulata - Sofia - Plovdiv - Burgas and Plovdiv - border with the Republic of Turkey; this corridor also includes the ports of Vidin and Burgas, Sofia Airport and the railway car terminals.
- The Rhine-Danube corridor, part of which includes the Bulgarian section of the Danube, the ports of Vidin and Ruse and the Ruse railway car terminal.

The railway and road routes on the territory of Bulgaria are as follows:

1. (Dimitrovgrad -) Dragoman - Sofia - Plovdiv - Dimitrovgrad north - Svilengrad (- Kapikule)
2. (Giurgiu -) Ruse - Gorna Oryahovitsa - Dimitrovgrad
3. Ruse - Kaspichan
4. Sofia - Mezdra - Gorna Oryahovitsa - Kaspichan - Sindel - Varna
5. Plovdiv - Zimnitsa - Karnobat - Burgas
6. Sofia - Kulata (- Promahon)
7. Sindel - Karnobat
8. (Dikeya -) Svilengrad
9. (Calafat -) Vidin - Sofia



**Figure 8: TEN-T network in Bulgaria**



**Figure 9: AGTC network in Bulgaria**



The nodal objects, i.e. the intermodal terminals, in which transshipment from one type of transport to another should be performed, are summarized in the following table.

**Table 2: Intermodal terminals in terms of mode of transport**

Nodes	Core TEN-T network		Comprehensive TEN-T network		AGTC network
	road-rail	port	road-rail	port	
Burgas		√			√
Varna				√	√
Vidin		√			
Dragoman			√		
Dimitrovgrad (north)					√
Gorna Oryahovitsa	√				√
Kaspichan					√
Lom				√	
Oryahovo				√	
Plovdiv/Filipovo	√				√
Ruse	√	√			√
Silistra				√	
Svilengrad			√		√
Svishtov				√	
Sofia	√				√
Stara Zagora					√

Total imports and exports for year 2018 are presented, in relation with the DR countries, as follows.

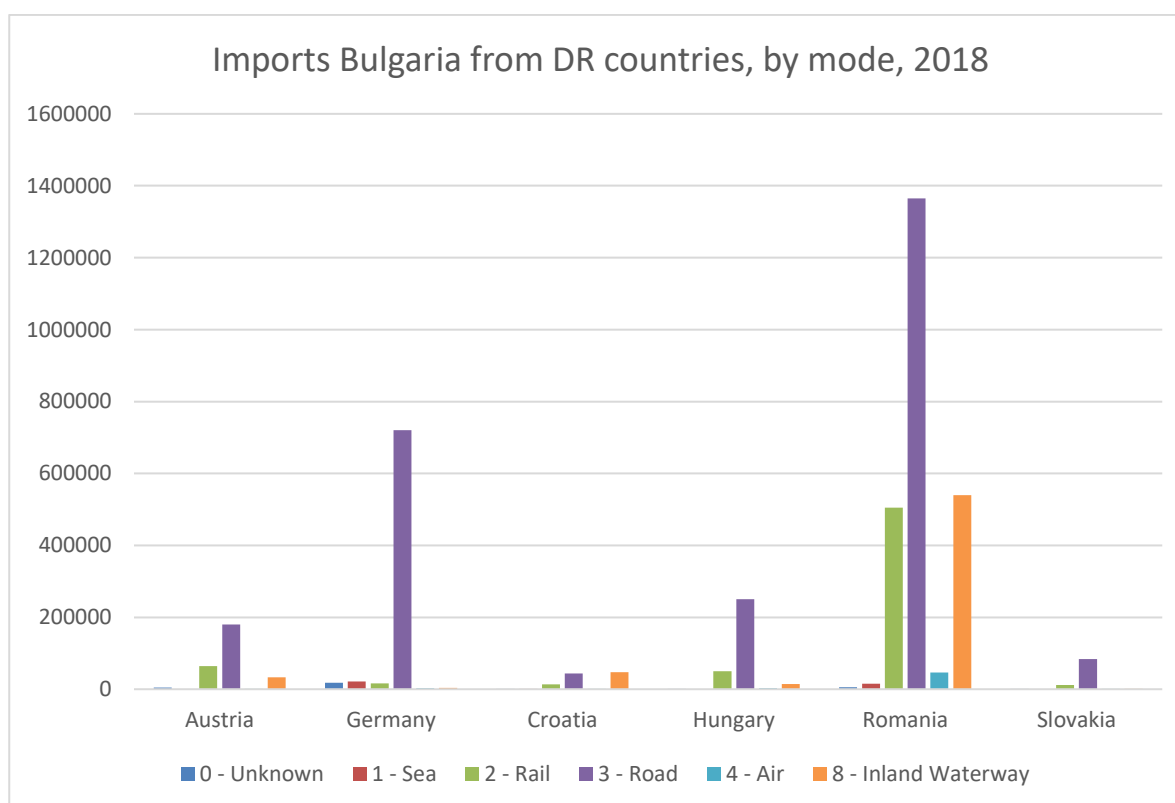
**All goods - Imports**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>	4559	17552	101	614	5567	660
<b>1 - Sea</b>	0	21416	1	0	14943	0
<b>2 - Rail</b>	64330	16494	13973	50003	505283	11349



<b>3 - Road</b>	180186	720773	43819	250112	1364549	83432
<b>4 - Air</b>	354	2947	39	2712	46044	38
<b>8 - Inland Waterway</b>	33059	3618	47004	14320	539202	1391
<b>Total</b>	282488	782800	104937	317761	2475588	96870

**Figure 10: Imports Bulgaria from DR countries, by mode, 2018**

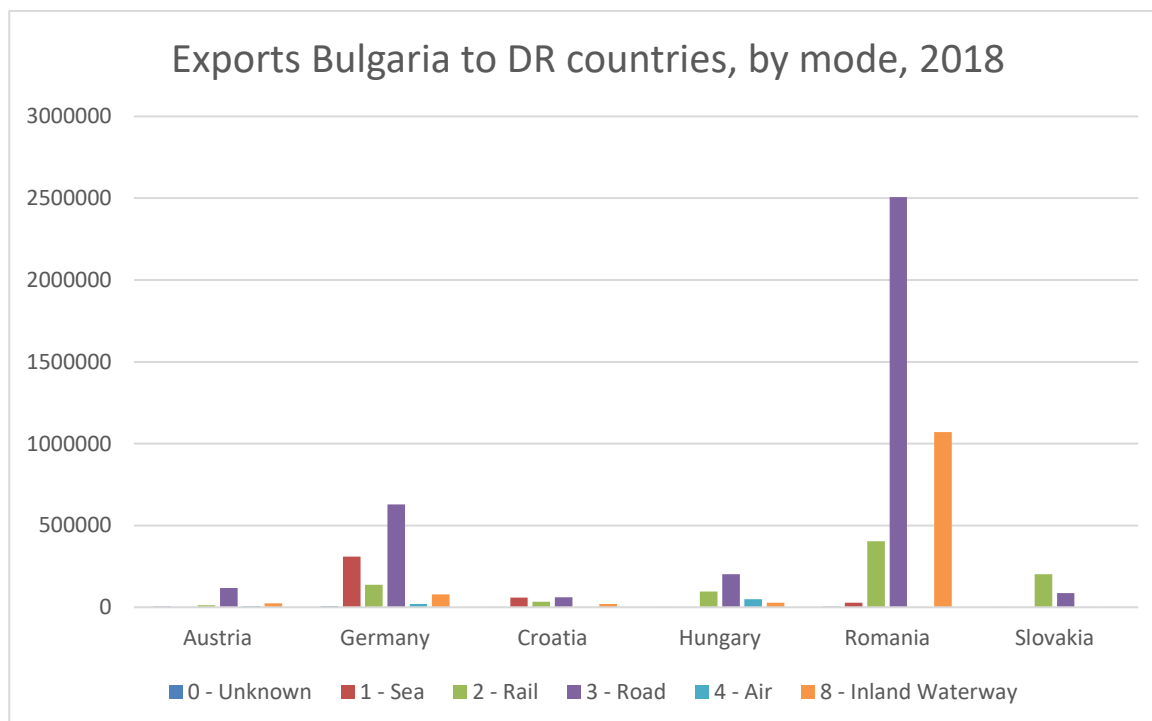


It is observed that the highest IWT share of imports is in relation with Romania, of 539 thousand tonnes from 2.48 million tonnes in total.

### All goods - Exports

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>	4280	7177	31	218	5234	67
<b>1 - Sea</b>	0	309720	60022	0	27664	0
<b>2 - Rail</b>	11272	137581	32929	96032	402683	201570
<b>3 - Road</b>	118751	628483	60903	202276	2507167	87233
<b>4 - Air</b>	5510	19965	78	48997	368	618
<b>8 - Inland waterway</b>	23071	79107	20802	28205	1071461	302
<b>Total</b>	162884	1182033	174765	375728	4014577	289790

**Figure 11: Exports Bulgaria to DR countries, by mode, 2018**



It is observed that the highest IWT share of imports is in relation with Romania, of 1.07 million tonnes from 4.01 million tonnes in total.

## Hungary

As no data on intra-EU traffic are available for the appropriate breakdown (type of goods / transport mode / quantity), only for extra-EU traffic, the items for extra-EU traffic are presented below.

**Table 3: Extra EU import, Hungary, tones, 2019, by transport mode**

Transport mode/type of goods	Agricultural products and live animals	Foodstuffs and animal fodder	Solid mineral fuels	Petroleum products	Ores and metal waste	Metal products	Crude and manufactured minerals, building materials	Fertilizers	Chemicals	Machinery, transport equipment, manufactured articles and miscellaneous articles	SUM
Sea	74178	65725		2381	315	42386	38482	5734	193645	647509	1070355
Rail	47390	232754	504592	160742	1467744	242168	614967	120806	341023	89126	3821312
Road	504916	134268	2394	129629	17264	161309	385465	44344	339534	701274	2420397
Air	644	351	0	57	41	844	272	13	5844	49525	57591
Post	1	7	0	0		0	1	0	8	113	130
Fixed Mechanism				15052701					4786	0	15057487
Inland Waterway	26380	45822	528611		168194	55164	63287	178825	37670	2710	1106663
Self-Propulsion										60	60
<b>SUM</b>	653509	478927	1035597	15345510	1653558	501871	1102474	349722	922510	1490257	23533935

Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

**Table 4: Extra EU export, Hungary, tones, 2019 by transport mode**

<b>Transport mode/type of goods</b>	<b>Agricultural products and live animals</b>	<b>Foodstuffs and animal fodder</b>	<b>Solid mineral fuels</b>	<b>Petroleum products</b>	<b>Ores and metal waste</b>	<b>Metal products</b>	<b>Crude and manufactured minerals, building materials</b>	<b>Fertilizers</b>	<b>Chemicals</b>	<b>Machinery, transport equipment, manufactured articles and miscellaneous articles</b>	<b>SUM</b>
<b>Sea</b>	63072	104936		1457	9352	12175	11375	6	182499	339752	724624
<b>Rail</b>	53679	21958	3903	81773	2132	16544	5223	47964	204080	76141	513397
<b>Road</b>	389814	449498	20957	106666	8443	61145	135916	16379	388557	791744	2369119
<b>Air</b>	771	1598		119832	90	463	926	2	3719	33545	160946
<b>Post</b>	0	0		0		0	0		0	3	3
<b>Fixed Mechanism</b>				2890727					843	0	2891570
<b>Inland Waterway</b>		1789	20936	307757	56242	29275	33785	28163	2403	15460	495810
<b>Self Propulsion</b>										459	459
<b>SUM</b>	507336	579779	45796	3508212	76259	119602	187225	92514	782101	1257104	7155928

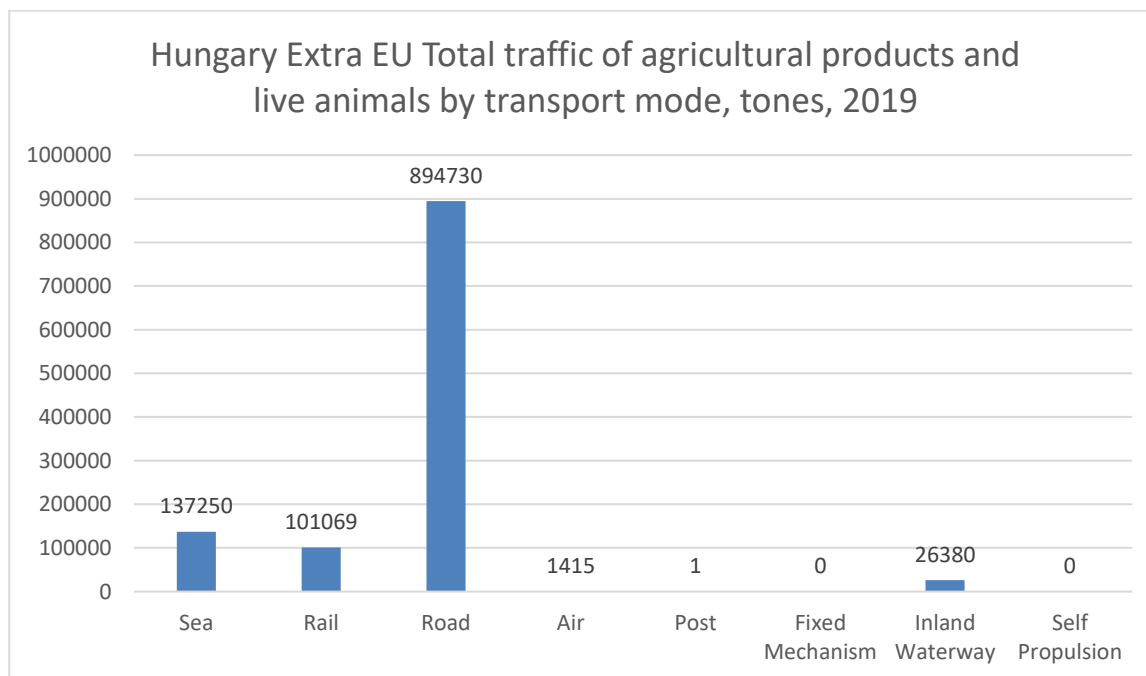
 Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

**Table 5: Total Extra EU (import-export) Hungary, tones, 2019 by transport mode**

<b>Transport mode/type of goods</b>	<b>Agricultural products and live animals</b>	<b>Foodstuffs and animal fodder</b>	<b>Solid mineral fuels</b>	<b>Petroleum products</b>	<b>Ores and metal waste</b>	<b>Metal products</b>	<b>Crude and manufactured minerals, building materials</b>	<b>Fertilizers</b>	<b>Chemicals</b>	<b>Machinery, transport equipment, manufactured articles and miscellaneous articles</b>	<b>SUM</b>
<b>Sea</b>	137250	170661	0	3838	9667	54561	49857	5740	376144	987261	1794979
<b>Rail</b>	101069	254712	508495	242515	1469876	258712	620190	168770	545103	165267	4334709
<b>Road</b>	894730	583766	23351	236295	25707	222454	521381	60723	728091	1493018	4789516
<b>Air</b>	1415	1949	0	119889	131	1307	1198	15	9563	83070	218537
<b>Post</b>	1	7	0	0	0	0	1	0	8	116	133
<b>Fixed Mechanism</b>	0	0	0	17943428	0	0	0	0	5629	0	17949057
<b>Self-Propulsion</b>	0	0	0	0	0	0	0	0	0	519	519
<b>SUM</b>	1160845	1058706	1081393	18853722	1729817	621473	1289699	442236	1704611	2747421	30689923

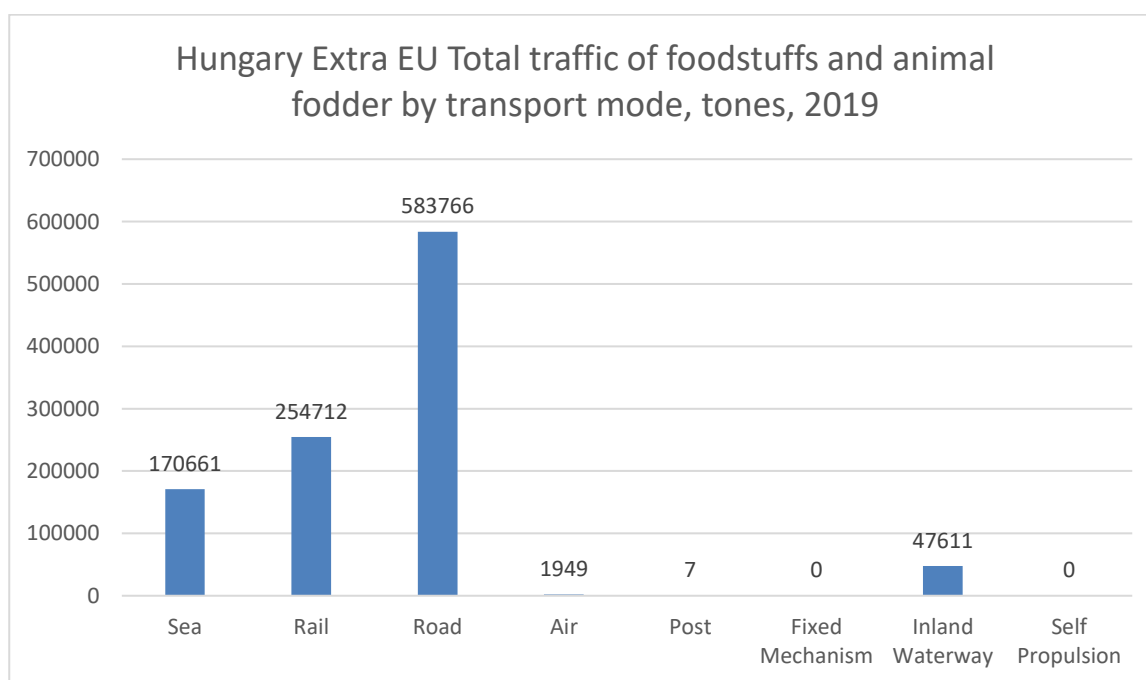
Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

**Figure 12: Hungary Extra EU Total traffic of agricultural products and live animals by transport mode, tones, 2019**



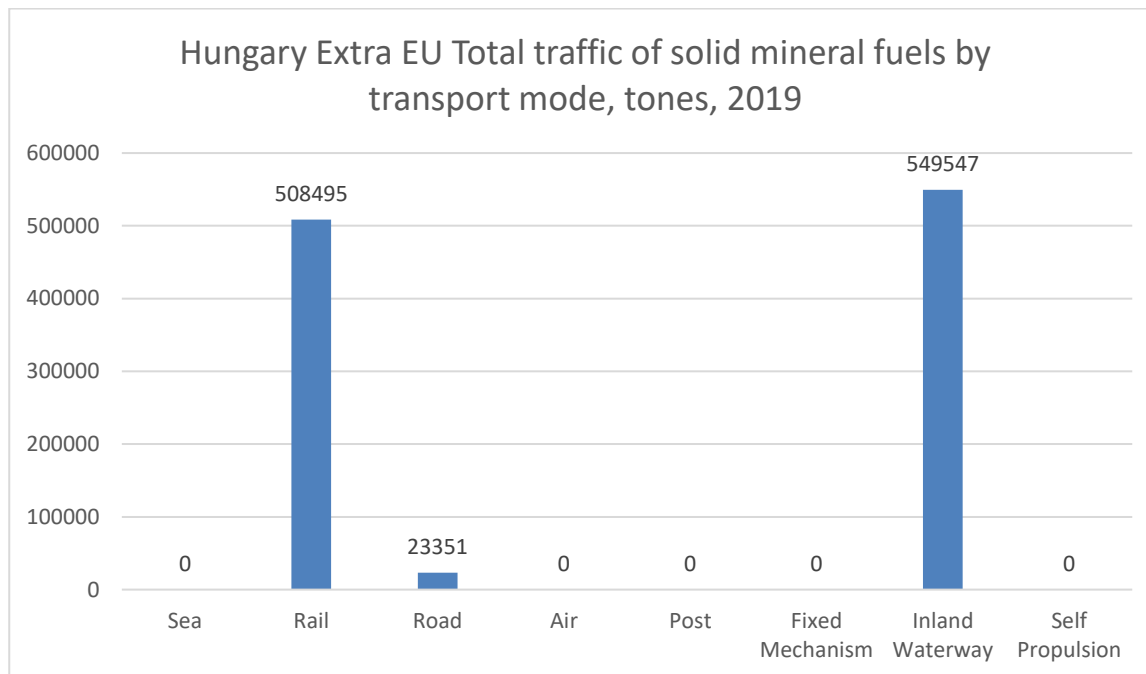
Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

**Figure 13: Hungary Extra EU Total traffic of foodstuffs and animal fodder by transport mode, tones, 2019**



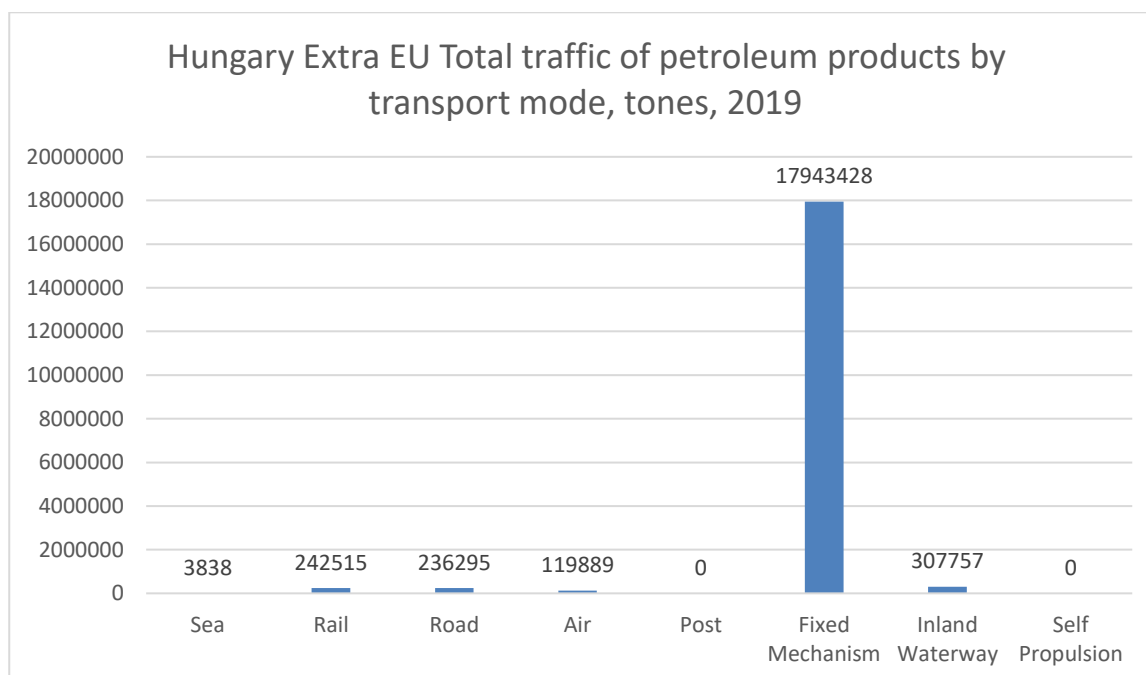
Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

**Figure 14: Hungary Extra EU Total traffic of solid mineral fuels by transport mode, tones, 2019**



Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

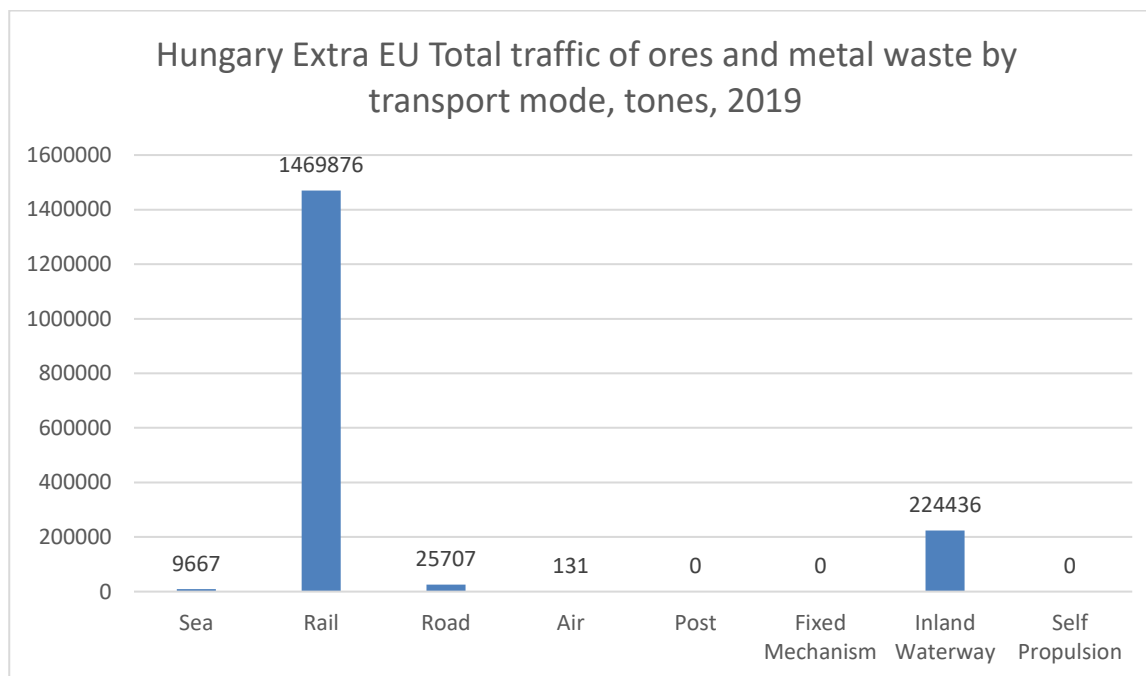
**Figure 15: Hungary Extra EU Total traffic of petroleum products by transport mode, tones, 2019**



Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

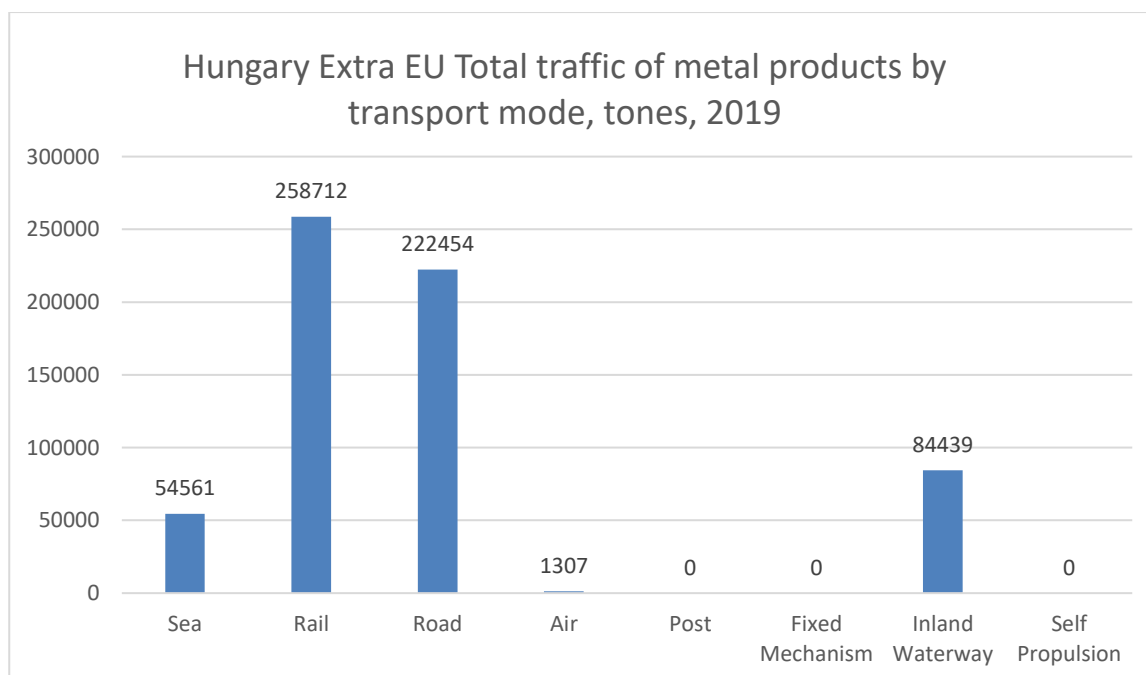


**Figure 16: Hungary Extra EU Total traffic of ores and metal waste by transport mode, tones, 2019**

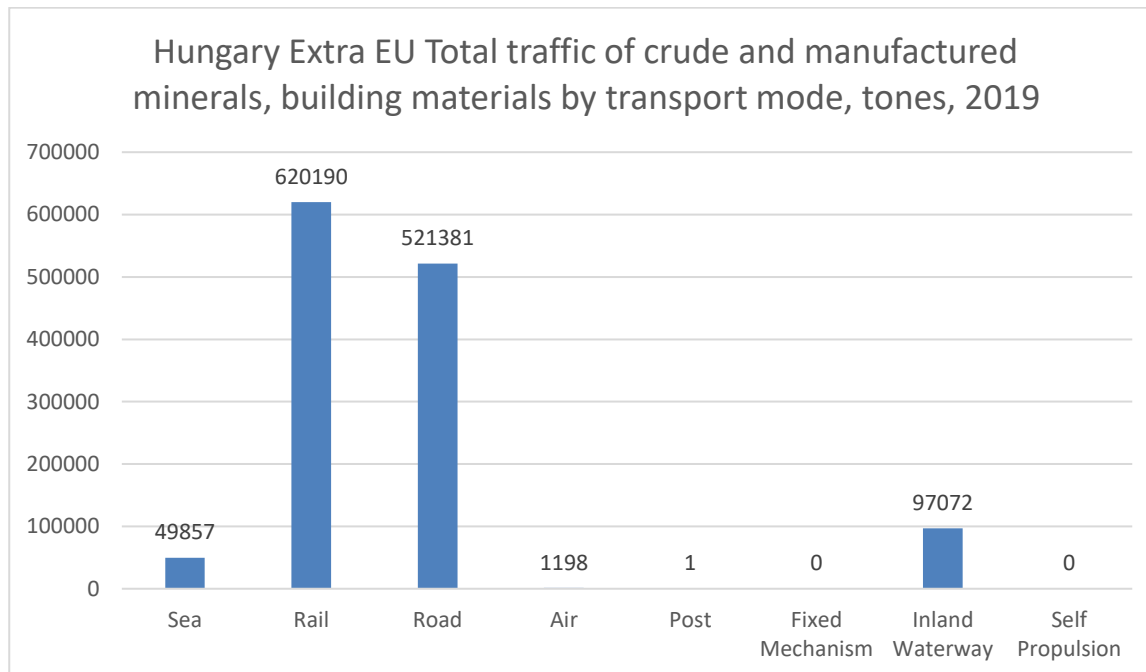


Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

**Figure 17: Hungary Extra EU Total traffic of metal products by transport mode, tones, 2019**

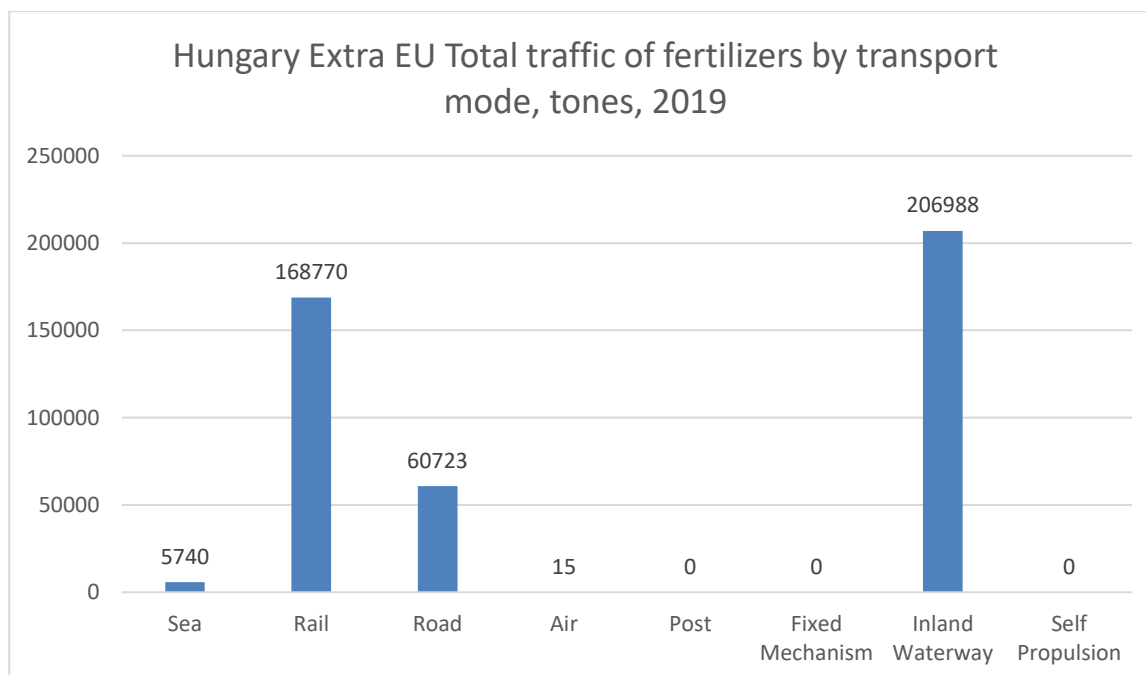


**Figure 18: Hungary Extra EU Total traffic of crude and manufactured minerals, building materials by transport mode, tones, 2019**



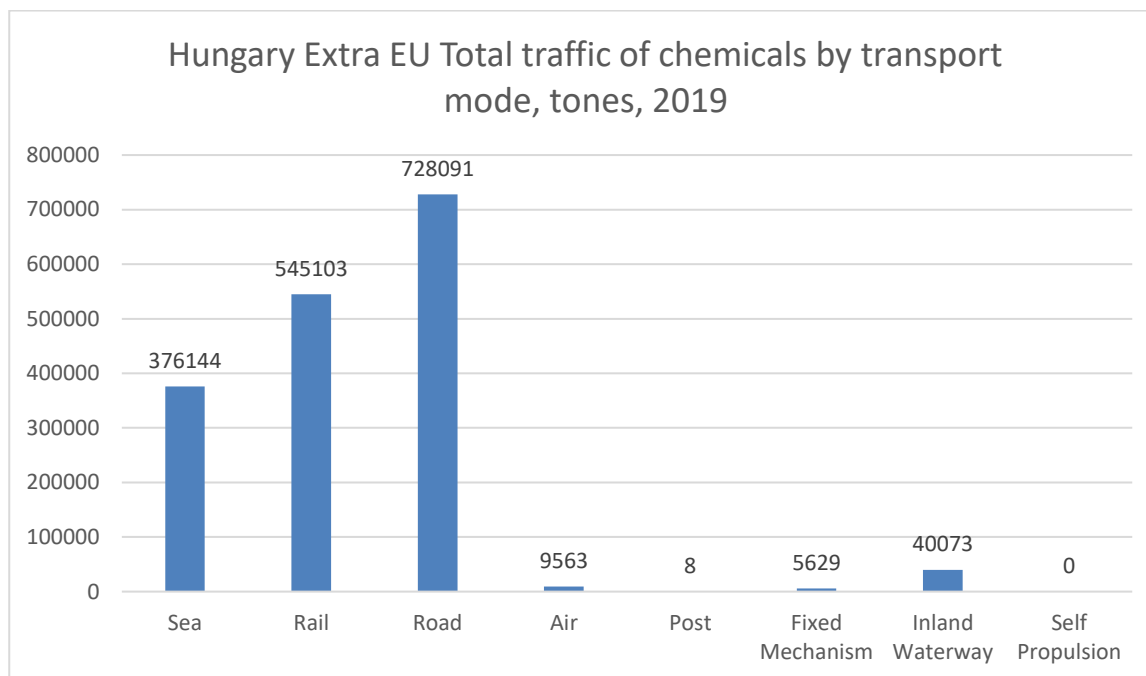
Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

**Figure 19: Hungary Extra EU Total traffic of fertilizers by transport mode, tones, 2019**



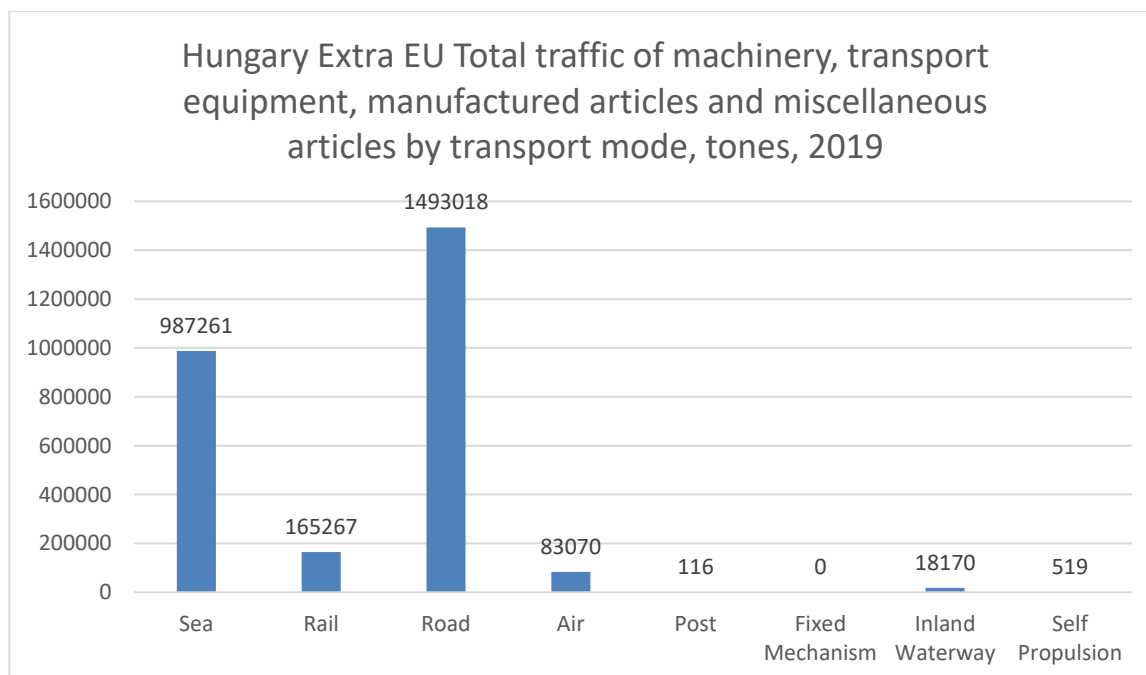
Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

**Figure 20: Hungary Extra EU Total traffic of chemicals by transport mode, tones, 2019**



Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

**Figure 21: Hungary Extra EU Total traffic of machinery, transport equipment, manufactured articles and miscellaneous articles by transport mode, tones, 2019**



Source: <http://epp.eurostat.ec.europa.eu/newxtweb/submitformatselect.do>

## Romania

In this chapter the total volumes of freight, imports and exports by transport modes, by NUTS2 region, in relation with DR countries are presented. Maritime is not included, as it will be detailed at the specific chapter on Port of Constanta.

**Table 6: Imports All goods 2020 NTM**

Region RO	Transport mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	48974	78317	6373	0	11309	31005	175978
	Rail	10727	12755	506	0	3987	17637	45613
	IWT	0	2222	159	0	583	1057	4021
	<b>All modes</b>	<b>59701</b>	<b>93295</b>	<b>7038</b>	<b>0</b>	<b>15880</b>	<b>49698</b>	<b>225611</b>
2 South East	Road	388785	55871	12271	7519	28285	38474	531206
	Rail	212370	32583	6140	6604	21470	60083	339251
	IWT	270456	28395	88651	0	151713	48483	587699
	<b>All modes</b>	<b>871611</b>	<b>116849</b>	<b>107063</b>	<b>14123</b>	<b>201469</b>	<b>147040</b>	<b>1458155</b>
3 South Muntenia	Road	256662	153075	9040	772	15892	56808	492250
	Rail	99929	36714	646	263	13154	58697	209404
	IWT	1625	5374	2464	0	4872	3822	18157
	<b>All modes</b>	<b>358217</b>	<b>195163</b>	<b>12149</b>	<b>1036</b>	<b>33919</b>	<b>119328</b>	<b>719811</b>
4 South West Oltenia	Road	103534	92619	6492	1592	6325	21594	232156
	Rail	24261	9827	387	308	2320	10320	47423
	IWT	29158	3343	2329	0	3881	1635	40346
	<b>All modes</b>	<b>156953</b>	<b>105788</b>	<b>9208</b>	<b>1899</b>	<b>12527</b>	<b>33549</b>	<b>319924</b>
5 West	Road	101326	907569	3624	2223	24298	132721	1171761
	Rail	17295	158667	187	0	66155	303019	545324
	IWT	3044	663	224	0	1609	1248	6789
	<b>All modes</b>	<b>121666</b>	<b>1066898</b>	<b>4035</b>	<b>2223</b>	<b>92062</b>	<b>436989</b>	<b>1723874</b>
6 North West	Road	40049	1534533	41234	2582	35730	90770	1744897
	Rail	5268	113022	3842	258	36415	160978	319782
	IWT	92	0	0	0	0	0	92
	<b>All modes</b>	<b>45409</b>	<b>1647555</b>	<b>45075</b>	<b>2839</b>	<b>72145</b>	<b>251748</b>	<b>2064771</b>
7 Center	Road	58899	475599	16767	4982	41393	128389	726029
	Rail	6620	44813	1350	125	7255	24829	84993
	IWT	0	1858	50	0	485	474	2867
	<b>All modes</b>	<b>65519</b>	<b>522270</b>	<b>18167</b>	<b>5107</b>	<b>49134</b>	<b>153692</b>	<b>813890</b>
8 Bucharest-Ifov	Road	676820	213728	4503	1916	23364	79792	1000123
	Rail	73182	13083	216	199	2470	10661	99811

	IWT	0	7402	153	0	839	2267	10662
	All modes	<b>750002</b>	<b>234213</b>	<b>4872</b>	<b>2116</b>	<b>26672</b>	<b>92720</b>	<b>1110596</b>
<b>All regions</b>	Road	1776376	4418879	103929	23808	210894	712276	7246162
	Rail	466948	580131	13461	7757	219384	949243	2236924
	IWT	307421	49920	94254	0	165591	60235	677421
	<b>All modes</b>	<b>2550744</b>	<b>5048930</b>	<b>211644</b>	<b>31565</b>	<b>595869</b>	<b>1721754</b>	<b>10160506</b>

Graphical representation of RO imports from the DR countries on land modes is shown below.

**Figure 22: Imports Romania from DR counties, by transport mode, NTM 2020**

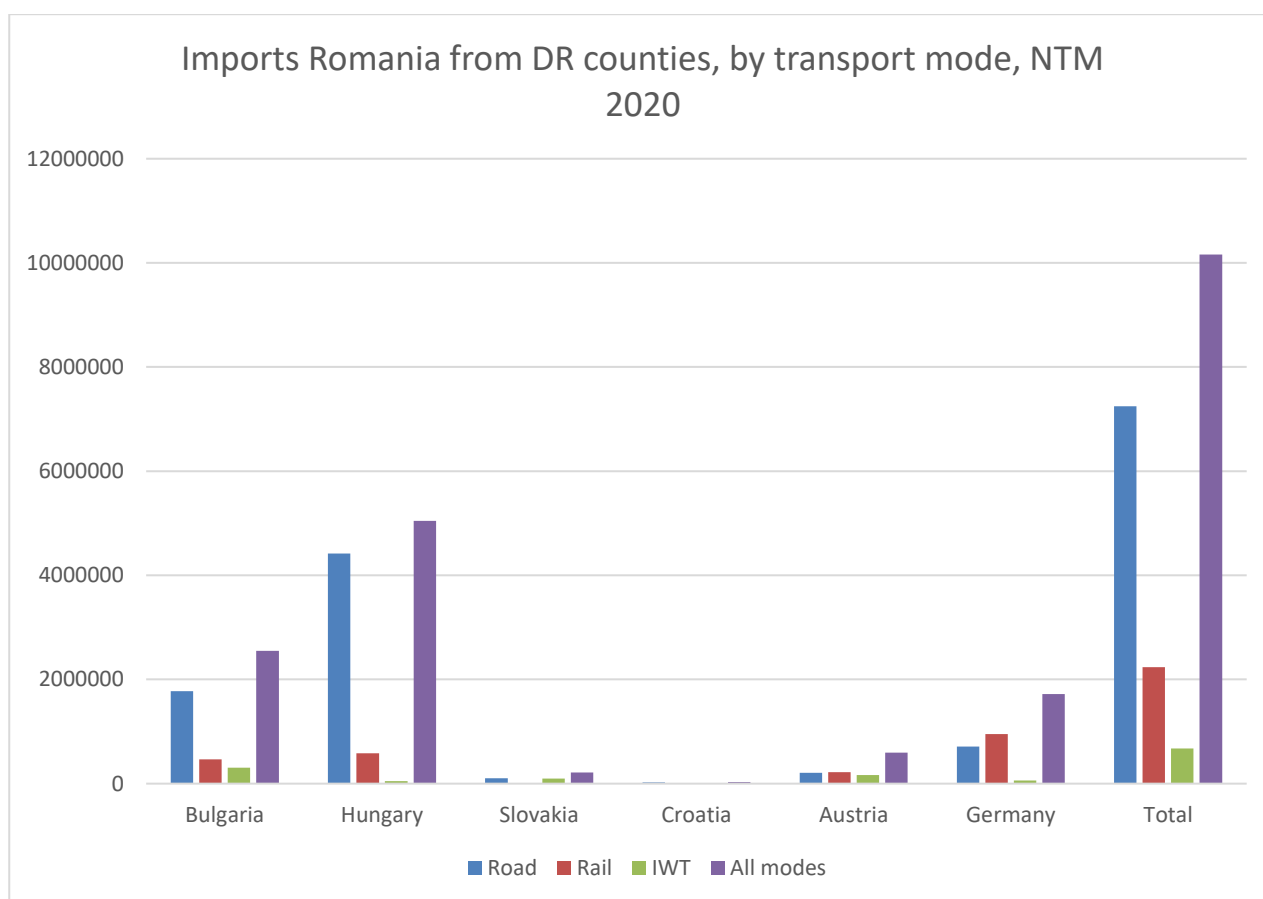


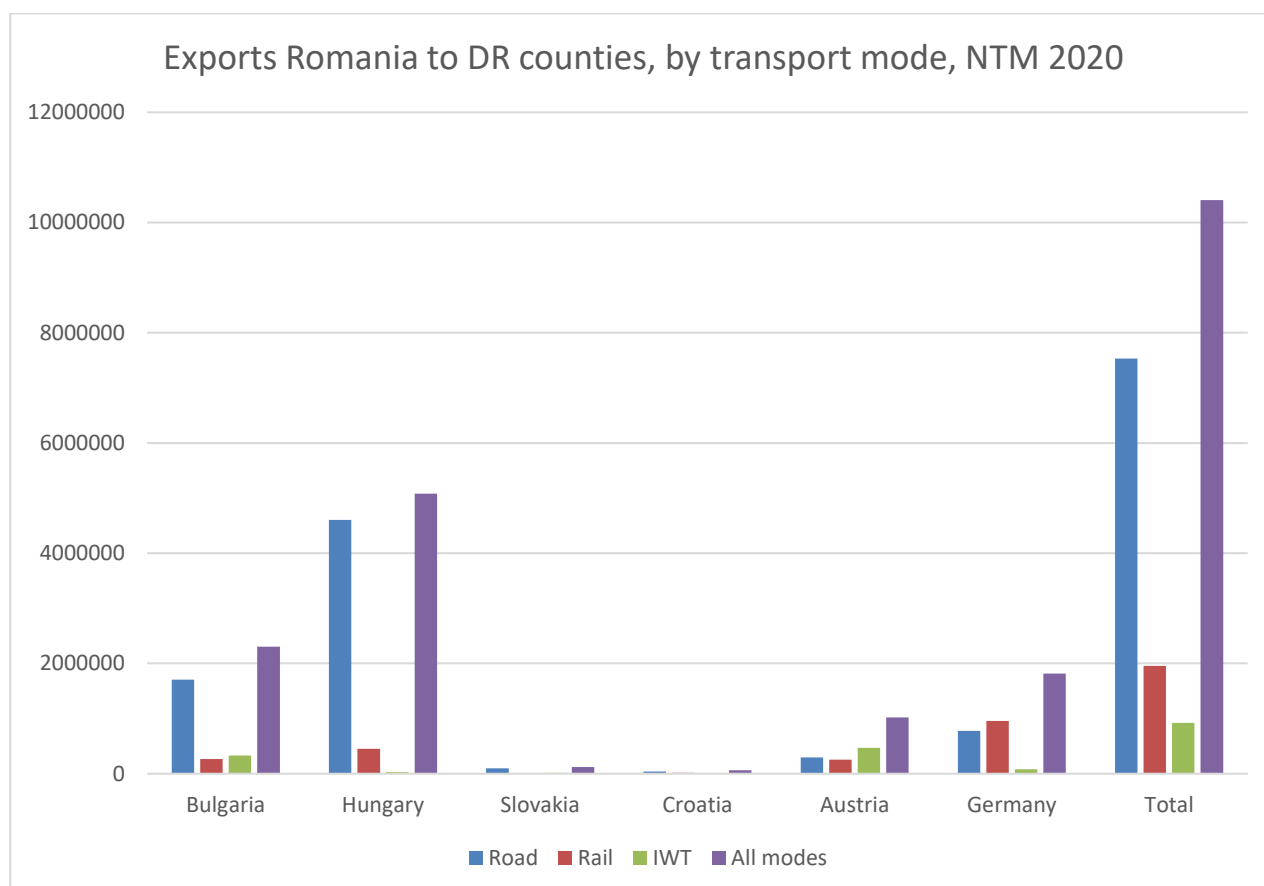
Table 7: Exports All goods 2020 NTM

Region RO	Transport mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	48122	85379	6773	0	12774	35361	188409
	Rail	6424	7533	156	0	2646	10257	27016
	IWT	0	799	70	0	139	163	1172
	<b>All modes</b>	<b>54546</b>	<b>93711</b>	<b>6999</b>	<b>0</b>	<b>15559</b>	<b>45781</b>	<b>216597</b>
2 South East	Road	350906	46986	2996	22993	68022	27797	519701
	Rail	152488	32044	1269	16692	49861	68137	320491
	IWT	223654	19619	13636	0	413647	70125	740680
	<b>All modes</b>	<b>727048</b>	<b>98649</b>	<b>17901</b>	<b>39685</b>	<b>531531</b>	<b>166059</b>	<b>1580873</b>
3 South Muntenia	Road	231485	150509	8383	399	13973	49862	454611
	Rail	40188	15415	110	10	6043	27504	89269
	IWT	297	1313	92	0	783	438	2924
	<b>All modes</b>	<b>271970</b>	<b>167238</b>	<b>8585</b>	<b>409</b>	<b>20799</b>	<b>77804</b>	<b>546804</b>
4 South West Oltenia	Road	118100	93996	7062	4939	20062	21916	266075
	Rail	34428	3078	302	2351	4634	3644	48436
	IWT	106418	2359	1924	0	56389	9650	176740
	<b>All modes</b>	<b>258945</b>	<b>99433</b>	<b>9288</b>	<b>7290</b>	<b>81085</b>	<b>35211</b>	<b>491251</b>
5 West	Road	100276	940213	3594	2010	31496	159300	1236888
	Rail	4463	133645	52	0	76130	341296	555585
	IWT	50	101	2	0	71	45	268
	<b>All modes</b>	<b>104789</b>	<b>1073958</b>	<b>3648</b>	<b>2010</b>	<b>107697</b>	<b>500640</b>	<b>1792742</b>
6 North West	Road	39328	1650358	45872	2434	54408	121754	1914155
	Rail	6438	98140	990	147	31057	137483	274255
	IWT	24	0	0	0	0	0	24
	<b>All modes</b>	<b>45789</b>	<b>1748498</b>	<b>46862</b>	<b>2581</b>	<b>85466</b>	<b>259237</b>	<b>2188434</b>
7 Center	Road	60243	486898	17588	5254	42500	129383	741865
	Rail	8125	27520	587	2	6318	27142	69695
	IWT	0	706	18	0	178	159	1061
	<b>All modes</b>	<b>68367</b>	<b>515124</b>	<b>18193</b>	<b>5257</b>	<b>48996</b>	<b>156684</b>	<b>812621</b>
8 Bucharest-Ilfov	Road	659607	209205	4287	1769	22291	74158	971319
	Rail	10922	2872	92	20	298	721	14925
	IWT	0	719	11	0	22	67	819
	<b>All modes</b>	<b>670529</b>	<b>212797</b>	<b>4390</b>	<b>1789</b>	<b>22612</b>	<b>74946</b>	<b>987063</b>
All regions	Road	1708342	4603758	100150	41808	297022	778832	7529912
	Rail	267938	453891	3609	19222	253118	957480	1955258
	IWT	330493	25717	15755	0	471301	80691	923957
	<b>All modes</b>	<b>2306772</b>	<b>5083366</b>	<b>119514</b>	<b>61030</b>	<b>1021440</b>	<b>1817003</b>	<b>10409126</b>



Graphical representation of RO exports to the DR countries on land modes is shown below.

**Figure 23: Exports Romania to DR counties, by transport mode, NTM 2020**



## 5.2 Description of the main cargo transport corridors by main routes, transport modes and goods

### Austria

#### 5.2.1 Main Routes in Austria

The road will remain the dominant mode of transport in Austria in 2040 - study on the greening of road freight transport

The European and Austrian economies are expected to continue growing even after the pandemic. As a result, Austria's roads will carry more goods traffic than rail, inland waterway and air traffic for decades to come, with an expected plus 49% transport volume by 2040.

The logistics industry is watching this development with concern and is looking for ecological solutions together with science. If one wants to achieve the EU target of climate neutrality by 2050, road freight

transport must become more modern, more efficient and more environmentally friendly, according to a study by the Center for Transport and Logistics.

The greatest potential for this is offered by immediately available, climate-friendly technologies such as LNG-powered vehicles, better aerodynamics and more flexible lengths and weights. In the medium term, battery electrics and hydrogen also offer great savings potential. In principle, a turnaround will only succeed with intelligent system solutions, a mix of drive forms, subsidies and investments, and a rethinking of the legal framework. The Central Association for Forwarding & Logistics is therefore urgently calling for a freight mobility plan that not only sets annual figures and CO2 targets, but also concrete, scientifically sound steps to achieve these goals. Lead times for the implementation of new technologies and investment security for companies must also be taken into account.

In spite of all relocation efforts, the road will bear the brunt of the continuously growing freight traffic for many decades. Even with a 2.2% annual increase in rail freight traffic, according to science, the railways cannot cope with the overall growth. Road freight traffic will grow again by half the volume of 2019. Study author Prof. Sebastian Kummer, WU Vienna: “49% more freight traffic in 2040 means 20 million tons more CO2 emissions annually. According to EU climate targets, emissions from freight transport should be zero in 2050, and in Austria even in 2040. There is an urgent need for action here.”

(Source: <https://www.lok-report.de/news/europa/item/24360-oesterreich-die-strasse-bleibt-auch-2040-der-dominierende-verkehrstraeger-in-oesterreich-sudie-zur-oekologisierung-des-strassengueterverkehrs.html>)

## Main Routes ROAD

Figure 24: Overview about Austrian Highways (high-level road network)



(Source: <http://services.asfinag.at/web/trafficdata/poi-highways>)

Figure 25: Highways and Expressways in Austria

**AUTOBAHNEN UND SCHNELLSTRASSEN IN ÖSTERREICH**

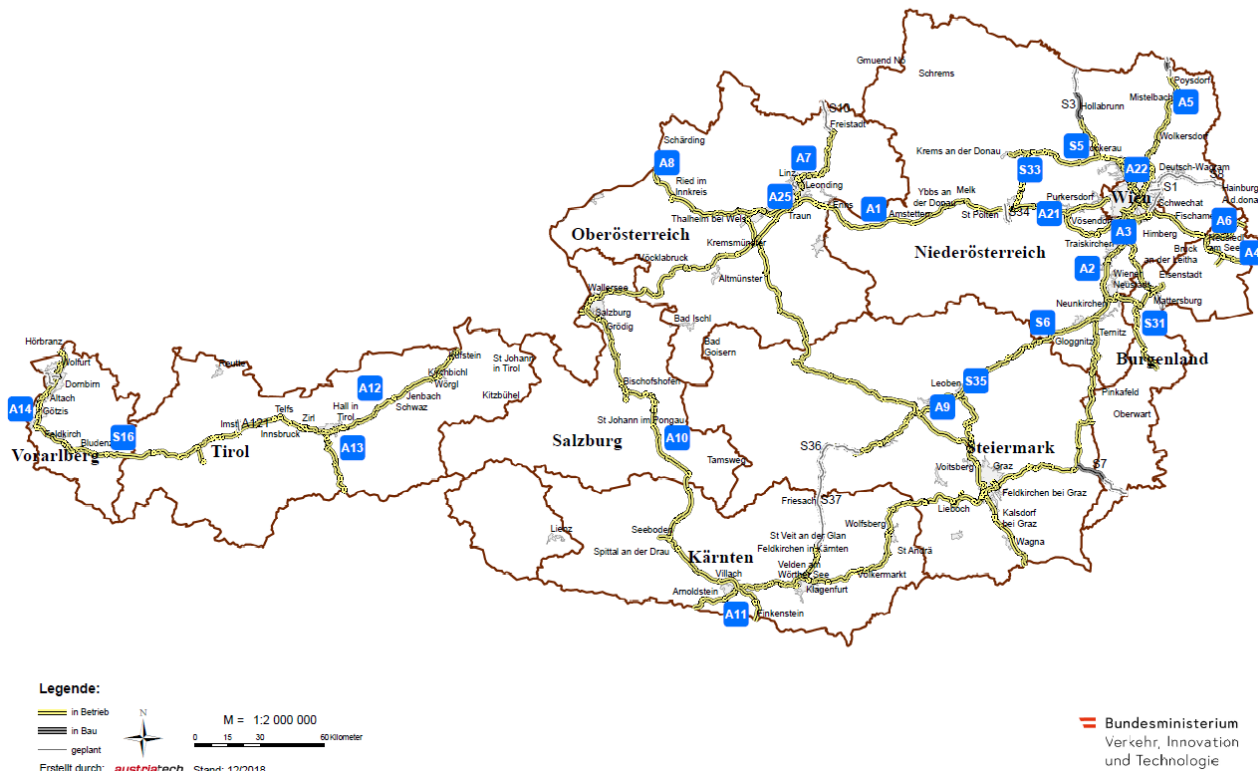


Figure 26: Highway section ASt Haag – Ast Regau, A1 Western Highway

**A1 WEST AUTOBAHN**  
 ASt Haag - Ast Regau

Blatt A.1.3

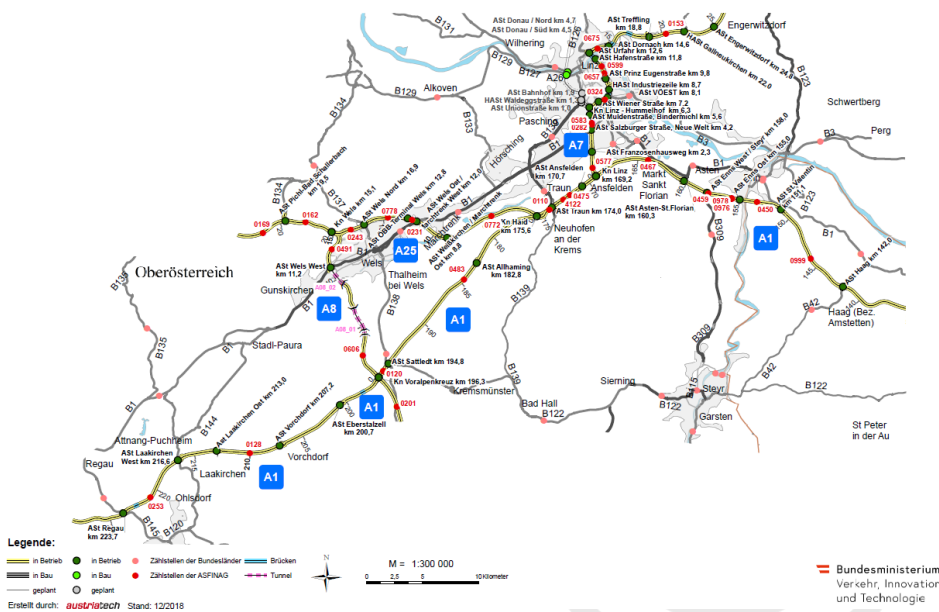
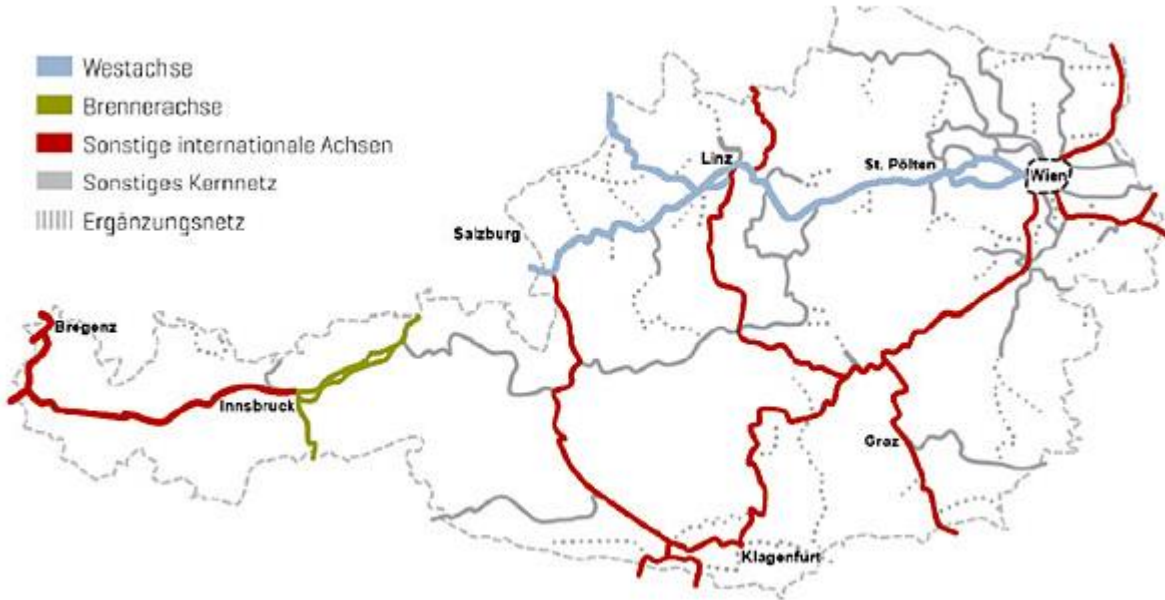


Figure 27: Main Routes RAIL West-Axis, Brenner-Axis, other international Axis, other core-net



(Source: <https://www.lok-report.de/news/europa/item/130-oesterreich-jahresbericht-der-schienen-control.html>)

Figure 28: Waterway River Danube Austria



(Source: [https://www.raonline.ch/pages/edu/st4/wawa\\_fluss0104b02.html](https://www.raonline.ch/pages/edu/st4/wawa_fluss0104b02.html))

## 5.2.2 Transport modes

### Transport on ROAD

**Table 8: Export from Austria to country groups, 2015 - 2019**

UNLOADING COUNTRY GROUPS	2015	2016	2017	2018	2019
	TONS	TONS	TONS	TONS	TONS
Germany	17.621.748	19.846.036	19.955.778	19.847.847	21.411.064
Italy	9.341.022	7.973.723	8.147.599	9.039.101	10.254.740
Croatia	700.674	872.350	939.351	936.205	889.391
Poland	1.345.522	1.352.307	1.804.540	1.713.259	2.205.033
Slovakia	2.419.462	2.109.042	1.799.437	2.226.174	2.480.352
Slovenia	2.056.938	2.198.476	2.789.895	2.626.373	3.234.562
Czech Republic	4.152.321	4.109.547	4.693.254	5.615.024	5.131.616
Hungary	4.227.875	4.708.302	5.182.082	5.815.565	5.950.216
Bulgaria/Romania	1.608.163	1.528.440	1.021.263	1.775.833	2.101.301
Estonia/Latvia Lithuania	103.480	98.522	158.031	153.455	92.427
France/Spain Portugal	1.420.246	2.007.331	2.257.549	1.996.949	2.650.859
Greece / Cyprus	503.992	234.798	63.285	107.856	67.022
Norway/ Sweden Finland /Denmark	283.730	756.773	433.098	451.278	297.711
Switzerland +Liechtenstein	2.061.979	1.625.829	2.036.052	1.864.044	2.016.792
United Kingdom+Ireland Benelux	1.625.648	1.941.971	1.812.676	1.823.121	2.176.614
Third States	1.286.721	1.400.663	1.401.744	1.644.017	2.114.154

**Table 9: Import from country groups to Austria, 2015 - 2019**

LOADING COUNTRY GROUPS	2015	2016	2017	2018	2019
	TONS	TONS	TONS	TONS	TONS
<b>Germany</b>	25.015.450	25.990.233	26.493.164	26.408.662	28.529.729
<b>Italy</b>	5.804.080	5.970.530	5.743.091	7.200.367	8.486.163
<b>Croatia</b>	862.136	744.066	659.898	797.575	763.273
<b>Poland</b>	1.194.168	1.468.230	1.722.516	2.028.861	2.094.434
<b>Slovakia</b>	2.964.853	2.481.234	2.726.993	2.701.308	2.676.353
<b>Slovenia</b>	2.439.102	3.400.555	3.515.128	3.445.277	2.816.119
<b>Czech Republic</b>	5.777.899	7.138.886	7.799.612	8.508.856	8.687.473
<b>Hungary</b>	4.188.353	4.821.238	6.151.825	6.473.359	6.541.239
<b>Bulgaria/Romania</b>	1.359.236	1.150.431	1.415.168	1.418.154	2.071.319
<b>Estonia/Latvia Lithuania</b>	200.501	145.904	220.045	187.162	152.257
<b>France/Spain Portugal</b>	1.492.926	1.621.713	2.274.972	1.962.946	2.192.462
<b>Greece / Cyprus</b>	32.960	70.484	118.737	238.262	79.603
<b>Norway/ Sweden Finland /Denmark</b>	477.501	464.598	382.661	568.787	415.885
<b>Switzerland +Liechtenstein</b>	1.049.496	791.590	883.108	823.354	806.237
<b>United Kingdom+Ireland Benelux</b>	2.879.860	2.642.939	2.508.121	2.831.768	2.904.496
<b>Third States</b>	1.281.348	1.204.032	1.270.916	1.457.054	1.680.662



**Table 10: Domestic Transport, Import, Export, Transit, other foreign traffic Austria, 2015 - 2019**

YEAR	VALUE	Domestic Transport	Import	Export	Transit	other foreign traffic
2015	TONS	325.615.685	9.869.587	10.538.555	1.702.157	3.266.120
	1000 Tonnenkilometer Inland	14.842.993	974.554	1.153.459	189.807	-
	1000 Tonnenkilometer Ausland	641.404	2.534.192	2.973.940	1.100.943	1.046.233
2016	TONS	350.208.525	10.727.028	10.410.476	1.519.479	3.460.293
	1000 Tonnenkilometer Inland	15.766.401	1.028.624	1.118.722	176.886	-
	1000 Tonnenkilometer Ausland	740.694	2.540.327	2.781.517	861.169	1.123.330
2017	TONS	360.295.806	10.725.085	10.886.942	1.183.324	3.765.885
	1000 Tonnenkilometer Inland	16.214.139	986.985	1.075.258	123.461	-
	1000 Tonnenkilometer Ausland	590.364	2.492.858	2.756.050	622.221	1.117.030
2018	TONS	367.576.259	10.335.650	10.623.659	977.779	3.801.786
	1000 Tonnenkilometer Inland	16.393.030	971.335	1.122.707	106.536	-
	1000 Tonnenkilometer Ausland	521.244	2.386.269	2.624.348	560.729	1.076.671
2019	TONS	377.349.621	9.943.427	9.878.527	1.203.886	3.812.927
	1000 Tonnenkilometer Inland	16.693.136	1.000.051	1.063.819	148.135	-
	1000 Tonnenkilometer Ausland	525.383	2.403.233	2.654.649	749.560	1.263.839

**Table 11: Freight transport on Austrian ROADS 2017 - 2019**

Unit	Traffic Area				TOTAL
	Inland Traffic	crossborder IMPORT	crossborder EXPORT	Transit	
<b>reporting year 2019</b>					
national results in 1.000 t	377.350	9.943	9.879	1.204	<b>398.375</b>
European results in 1.000 t	386.205	70.898	63.074	77.792	<b>597.969</b>
<i>Share Austria in %</i>	97,7	14,0	15,7	1,5	<b>66,6</b>
national results in Mio.tkm Inland	16.693	1.000	1.064	148	<b>18.905</b>
European results in Mio.tkm Inland	17.962	8.686	8.886	18.964	<b>54.498</b>
<i>Share Austria in %</i>	92,9	11,5	12,0	0,8	<b>34,7</b>
<b>reporting year 2018</b>					
national results in 1.000 t	367.576	10.336	10.624	(978)	<b>389.513</b>
European results in 1.000 t	377.100	67.052	57.636	73.390	<b>575.178</b>
<i>Share Austria in %</i>	97,5	15,4	18,4	1,3	<b>67,7</b>
national results in Mio.tkm Inland	16.393	971	1.123	107	<b>18.594</b>
European results in Mio.tkm Inland	17.793	8.664	7.602	18.065	<b>52.124</b>
<i>Share Austria in %</i>	92,1	11,2	14,8	0,6	<b>35,7</b>
<b>reporting year 2017</b>					
national results in 1.000 t	360.296	10.725	10.887	1.183	<b>383.091</b>
European results in 1.000 t	367.643	63.886	54.496	70.940	<b>556.964</b>
<i>Share Austria in %</i>	98,0	16,8	20,0	1,7	<b>68,8</b>
national results in Mio.tkm Inland	16.214	987	1.075	123	<b>18.400</b>
European results in Mio.tkm Inland	17.458	8.015	7.100	17.076	<b>49.649</b>
<i>Share Austria in %</i>	92,9	12,3	15,1	0,7	<b>37,1</b>

## **Transport on RAIL**

**Table 12: Rail traffic in Austria from 2017, Tons & TEUs**

YEAR	VALUE	Inland Traffic	IMPORT	EXPORT	Transit
2019	TONS	28.012.916	27.206.177	17.053.680	30.302.394
	TEUs	494.256	549.891	479.275	1.284.147
2017	TONS	29.981.879	28.671.679	17.716.310	31.209.517
	TEUs	529.056	592.661	517.032	1.279.199
2018	TONS	29.100.957	27.054.571	17.823.651	31.292.197
	TEUs	530.557	542.789	492.748	1.294.889

**Table 13: Import to Austria, NUTS 2, 2017, in tons**

Country	Burgenland	Carinthia	Lower Austria	Upper Austria	Salzburg	Styria	Tyrol	Vorarlberg	Vienna
Belgium	-	1.210	57.086	28.952	8.145	19.100	3.670	1.211	158.330
Bulgaria	-	133	1.038	3.085	-	19	76	-	16.403
Denmark	-	-	43	90	-	10	-	-	-
Germany	19.304	96.482	595.227	5.336.692	167.562	1.413.890	526.810	255.504	1.873.769
France	231	-	11.338	39.498	-	15.502	10.089	258	1.054
Greece	-	-	1.557	1.365	-	-	-	-	-
Italy	-	206.702	96.660	297.800	100.356	195.058	438.258	16.517	43.330
Croatia	-	307	91.663	65.184	-	177.432	-	-	451
Luxembourg	3.924	5.323	14.030	19.157	-	2.106	2.526	6.207	-
Netherlands	-	4.520	226.600	204.609	595	4.857	3.815	145.162	13.283
Poland	-	5.909	200.705	749.782	3.313	976.946	5.484	685	46.594
Romania	19.202	3.570	172.116	20.760	25.000	944	1.891	-	36.714
Sweden	365	14.495	15.099	11.212	4.295	21.856	-	2.309	15.712
Slovakia	1.092	42.474	352.036	1.013.002	84.320	410.751	53.071	-	156.576
Slovenia	-	102.702	137.320	3.203.642	87.743	1.885.746	128.494	19.281	23.985
Spain	-	298	218	48	7.122	50	48	-	104
Czech Republic	5.240	31.340	308.807	1.136.002	165.373	572.667	17.637	16.437	110.273
Hungary	44.405	28.401	192.523	855.895	9.429	940.242	1.810	4.841	557.341
Bosnia & Herzegovina	-	6.708	1.388	1.517	-	23.330	1	-	-
Switzerland & Liechtenstein	13	2.777	10.111	87.509	3.023	4.591	30.083	37.518	87
Serbia	-	1	47.876	14	-	3.187	-	-	1.087
Turkey	-	5	14.455	-	-	35.703	3.392	-	10.149
Ukraine	-	-	-	232.069	-	93	84	-	-

**Table 14: Import to Austria, NUTS 2, 2017 in TEUs**

Country	Burgenland	Carinthia	Lower Austria	Upper Austria	Salzburg	Styria	Tyrol	Vorarlberg	Vienna
Belgium	-	-	-	-	-	2	-	-	2.584
Bulgaria	-	-	-	144	-	-	-	-	-
Germany	283	2.861	90	128.184	2.093	51.108	5.605	14.687	143.723
France	-	-	-	891	-	-	832	-	-
Greece	-	-	-	292	-	-	-	-	-
Italy	-	5.559	4.504	17.779	2.535	1.497	9.391	1.303	2.955
Netherlands	-	-	-	5.815	-	-	-	5.981	-
Poland	-	-	-	-	-	25.111	-	-	-
Romania	-	-	-	1.648	-	-	-	-	-
Slovakia	-	-	2.548	3.933	3.593	2.576	-	-	20.056
Slovenia	-	1.313	136	1.799	1.198	29.559	-	363	2.092
Czech Republic	-	-	12.121	6.815	19.154	6.966	5	5	1.444
Hungary	-	88	75	15.216	423	3.247	-	216	3.872
Switzerland & Liechtenstein	6	-	-	10.673	-	-	624	2.483	-
Turkey	-	-	-	-	-	1.622	-	-	893
Ukraine	-	-	-	-	-	48	42	-	-

**Table 15: Import to Austria, NUTS 2, 2018, in tons**

Country	Burgenland	Carinthia	Lower Austria	Upper Austria	Salzburg	Styria	Tyrol	Vorarlberg	Vienna
Belgium	-	633	52.390	14.398	2.320	2.201	3.618	1.520	145.737
Bulgaria	-	156	236	-	-	7	-	-	3.256
Germany	24.842	142.124	720.584	5.115.520	227.479	971.785	735.917	285.022	1.402.550
France	339	-	12.256	9.794	-	3.370	2.056	722	2.062
Greece	-	-	1.613	-	-	-	-	-	-
Italy	6.779	170.506	57.620	366.138	100.549	210.079	365.164	18.555	44.839
Croatia	-	527	107.866	29.607	-	337.879	1.155	-	1.121
Lithuania	-	-	1.412	-	-	11	-	-	-
Luxembourg	4.021	5.408	11.364	17.741	-	1.951	2.546	3.857	-
Netherlands	-	-	175.854	321.829	372	7.353	185	90.969	12.325
Poland	-	11.134	161.455	843.806	4.234	826.266	11.534	251	36.150
Romania	5.322	1.183	248.104	25.499	120	6.082	-	-	27.014
Sweden	8.359	13.644	13.471	1.174	7.286	9.443	-	365	26.927
Slovakia	5.841	57.707	348.569	766.079	37.884	455.892	42.626	72	109.298
Slovenia	-	124.051	105.619	2.740.304	13.832	1.961.332	71.674	26.054	24.761
Spain	-	50	-	-	6.885	-	-	-	-
Czech Republic	7.916	106.609	288.567	1.165.170	295.872	536.331	39.342	24.433	142.371
Hungary	35.285	24.091	232.889	688.350	4.005	723.026	1.608	45	543.629
Belarus	-	-	3.479	-	-	-	-	-	-
Bosnia & Herzegovina	-	9.315	-	-	-	13.446	-	-	-
Macedonia	-	454	-	0	-	14	-	-	2
Switzerland & Liechtenstein	83	4.259	16.010	127.956	444	10.823	97.647	86.654	1.116
Serbia	-	1	15.218	3	-	1.656	-	-	8.020
Turkey	-	-	8.636	5.041	-	286	9.328	-	58.428
Ukraine	-	-	-	168.836	-	429	-	-	-

**Table 16: Import to Austria, NUTS 2, 2018 in TEUs**

Country	Burgenland	Carinthia	Lower Austria	Upper Austria	Salzburg	Styria	Tyrol	Vorarlberg	Vienna
Belgium	-	-	-	-	-	-	-	-	3.322
Germany	-	4.037	18	134.760	2.986	17.161	4.956	15.239	105.419
France	-	-	-	827	-	-	501	-	-
Italy	-	5.418	876	22.044	3.630	1.508	9.036	1.863	2.798
Croatia	-	-	-	-	-	273	-	-	-
Netherlands	-	-	-	9.812	-	-	-	5.997	-
Poland	-	-	-	-	-	21.996	-	-	-
Slovakia	-	288	8.384	7.952	2.254	4.730	-	-	9.915
Slovenia	-	1.284	85	1.997	621	29.230	12	563	2.122
Czech Republic	-	57	10.231	4.523	29.029	611	5	-	918
Hungary	-	-	236	20.790	811	2.707	-	-	6.824
Switzerland & Liechtenstein	36	-	93	13.227	12	8	1.944	2.805	-
Turkey	-	-	-	540	-	-	-	-	3.246
Ukraine	-	-	-	-	-	222	-	-	-

**Table 17: Import to Austria, NUTS 2, 2019, in tons**

Country	Burgenland	Carinthia	Lower Austria	Upper Austria	Salzburg	Styria	Tyrol	Vorarlberg	Vienna
Belgium	-	1.292	35.958	93.459	1.037	2.304	4.768	1.740	112.853
Bulgaria	-	99	264	-	-	-	-	-	2.139
Denmark	-	-	15	-	-	6	-	-	3
Germany	28.252	121.564	694.335	5.107.194	238.838	932.496	1.006.820	258.697	1.584.312
Finland	-	-	-	-	-	-	-	-	-
France	812	-	6.927	13.222	-	2.002	2.792	1.961	222
Greece	-	-	934	-	-	-	-	-	-
Italy	1.131	198.195	60.089	402.169	49.150	151.771	400.154	27.186	97.521
Croatia	-	42	84.579	65.284	-	223.129	-	-	441
Lithuania	-	-	1.708	-	-	-	-	-	-
Luxembourg	5.213	3.256	7.150	19.273	280	1.173	3.307	4.850	178
Netherlands	-	-	171.734	237.867	1.074	11.028	1.049	72.790	40.083
Poland	-	9.312	140.023	1.133.154	4.556	809.717	13.757	869	54.596
Portugal	-	-	-	-	-	-	-	-	-
Romania	-	-	90.341	17.767	-	133	-	-	10.465
Sweden	8.876	-	8.080	11	202	3.032	-	298	4.454
Slovakia	-	44.722	268.709	387.926	21.246	336.784	59.674	-	109.438
Slovenia	-	140.637	89.178	2.809.380	50.380	2.125.735	33.380	29.524	23.914
Spain	-	49	60	-	4.641	-	-	-	77
Czech Republic	3.464	194.711	304.124	1.259.708	229.480	648.591	14.510	21.072	111.946
Hungary	44.877	20.102	116.070	1.035.840	-	470.705	1.152	637	437.950
Bosnia & Herzegovina	-	17.637	-	-	-	12.463	-	-	-
Macedonia	-	-	-	0	-	16	-	-	2
Switzerland & Liechtenstein	104	2.248	13.825	119.504	130	10.309	45.535	112.936	633
Serbia	-	-	28.018	107	-	577	-	-	2.023
Turkey	-	-	8.090	26.529	-	12.336	848	-	57.975
Ukraine	-	-	-	346.180	-	-	-	-	-
United Kingdom	-	-	693	-	-	-	-	-	27.252

**Table 18: Import to Austria, NUTS 2, 2019 in TEUs**

Country	Burgenland	Carinthia	Lower Austria	Upper Austria	Salzburg	Styria	Tyrol	Vorarlberg	Vienna
Belgium	-	-	-	36	-	-	-	-	2.334
Denmark	-	-	6	-	-	-	-	-	-
Germany	-	3.691	195	134.087	1.705	16.608	22.679	16.497	115.329
France	-	-	-	869	-	8	680	-	-
Italy	-	5.056	777	18.913	2.416	1.179	8.906	2.168	5.076
Croatia	-	-	-	-	-	762	-	-	-
Netherlands	-	-	-	6.477	-	-	-	5.454	-
Poland	-	88	-	-	-	23.308	-	19	126
Romania	-	-	-	84	-	-	-	-	-
Slovakia	-	360	8.324	6.320	1.338	4.531	-	-	3.041
Slovenia	-	1.099	30	1.859	553	32.324	12	412	1.561
Czech Republic	-	60	8.182	9.696	20.176	1.892	45	80	425
Hungary	-	-	96	16.567	-	3.147	-	-	11.152
Switzerland & Liechtenstein	42	-	110	9.317	5	18	818	2.894	3
Turkey	-	-	-	2.741	-	546	-	-	3.314
United Kingdom	-	-	-	-	-	-	-	-	1.268

**Table 19: Export from Austria to Countries, 2017 – 2019, tons & TEU's**

Country	Tonnes			TEU's		
	2017	2018	2019	2017	2018	2019
Belgium	412.013	377.764	253.203	2.689	2.889	2.100
Bulgaria	56.920	63.924	39.265	72	-	-
Denmark	7.322	-	499	-	-	6
Germany	8.008.280	7.737.796	7.634.658	295.398	249.721	254.984
Finland	100	-	-	-	-	-
France	134.471	98.875	92.090	2.219	1.613	1.807
Greece	111.972	89.023	106.033	3.929	1.892	4.000
Italy	3.011.808	3.109.925	2.955.258	54.192	58.932	55.933
Croatia	96.416	56.240	37.283	3	264	771
Latvia	218	215	217	-	-	-
Lithuania	429	566	121	-	-	-
Luxembourg	11.151	9.913	12.953	-	-	-
Netherlands	239.351	335.976	370.295	11.516	17.133	17.688
Poland	478.568	487.285	464.510	25.203	22.171	23.525
Romania	233.934	251.985	243.072	1.688	-	-
Sweden	101.765	68.165	72.413	-	93	12
Slovakia	396.665	301.232	241.935	13.840	13.342	11.208
Slovenia	2.016.735	2.060.111	1.980.880	24.507	29.197	25.318
Spain	5.151	79	529	-	-	-
Czech Republic	853.389	827.430	778.503	46.539	41.006	35.494
Hungary	486.214	663.307	624.403	21.980	34.184	29.280
Albania	1.241	1.992	193	-	-	-
Belarus	-	646	-	-	-	-
Bosnia Herzegovina	215	381	106	-	-	-
Macedonia	7.795	10.635	9.987	-	-	-
Moldova	-	-	-	-	-	-
Norway	877	3.519	228	-	-	-
Russian Federation	2.573	1.991	2.614	-	-	-
Switzerland and Liechtenstein	980.745	1.159.132	1.006.439	12.533	16.823	11.307
Serbia	16.847	23.112	14.954	-	-	-
Turkey	32.160	66.589	78.613	295	3.050	4.786
Ukraine	10.983	15.843	9.260	429	438	-
United Kingdom	-	-	23.168	-	-	1.056

**Table 20: Export from Burgenland (NUTS 2) to Countries, 2017 – 2019, tons & TEU's**

Unloading country	EXPORT					
	TONS			TEUs		
	2017	2018	2019	2017	2018	2019
Bulgaria	900	-	-	-	-	-
Germany	4.961	367	459	-	-	-
France	1.587	476	468	-	-	-
Greece	2.211	1.689	2.456	-	-	-
Italy	14.502	8.928	2.626	-	-	-
Netherlands	440	-	-	-	-	-
Poland	12.980	18.010	12.717	-	-	-
Romania	23.363	26.402	18.131	-	-	-
Sweden	2.310	1.625	1.523	-	-	-
Slovakia	-	-	4.124	-	-	-
Slovenia	100	100	-	-	-	-
Czech Republic	4.245	2.932	1.147	-	-	-
Hungary	-	153	123	-	-	-
Switzerland and Liechtenstein	6.021	1.060	967	6	36	48



**Table 21: Export from Kärnten (NUTS 2) to Countries, 2017 – 2019, tons & TEU's**

Country	EXPORT					
	Tonnes			TEU's		
	2017	2018	2019	2017	2018	2019
Belgium	8.772	9.038	17.342	-	-	-
Bulgaria	1.545	3.107	3.600	-	-	-
Denmark	-	-	372	-	-	-
Germany	467.781	416.986	383.514	2.681	4.718	4.342
France	510	786	1.329	-	-	-
Greece	5.502	5.982	3.776	-	-	-
Italy	259.933	243.144	215.962	6.196	5.822	5.571
Croatia	22.897	21.231	8.489	-	-	-
Netherlands	514	57	-	-	-	-
Poland	87.513	92.275	86.091	-	-	-
Romania	-	-	161	-	-	-
Sweden	4.210	175	1.699	-	-	-
Slovakia	1.322	4.685	7.123	159	696	1.651
Slovenia	191.707	203.202	188.707	238	218	209
Czech Republic	3.078	2.521	2.306	-	-	-
Hungary	12.571	8.297	9.878	57	16	-
Bosnia Herzegovina	210	133	51	-	-	-
Macedonia	2	-	1.214	-	-	-
Russian Federation	306	-	-	-	-	-
Switzerland and Liechtenstein	70.401	73.284	69.080	6	3	12
Serbia	-	47	-	-	-	-
Turkey	4.996	7.018	6.339	-	-	-
Ukraine	298	3.379	6.356	-	-	-

**Table 22: Export from Lower Austria (NUTS 2) to Countries, 2017 – 2019, tons & TEU's**

Country	Tonnes			TEU's		
	2017	2018	2019	2017	2018	2019
Belgium	7.984	6.729	3.229	-	-	-
Bulgaria	21.261	35.437	17.508	-	-	-
Denmark	-	-	120	-	-	6
Germany	616.310	740.309	815.610	-	-	-
France	-	1.990	450	-	-	-
Greece	19.290	24.271	23.572	-	-	-
Italy	605.449	541.098	419.456	5.198	916	830
Croatia	1.203	3.367	1.684	-	-	-
Luxemburg	-	-	191	-	-	-
Netherlands	12.070	4.674	16.379	-	-	-
Poland	32.300	47.861	45.820	78	-	-
Romania	54.185	119.414	156.269	-	-	-
Sweden	14.378	15.443	10.870	-	-	-
Slovakia	148.915	95.530	101.391	7.784	4.576	4.108
Slovenia	286.141	328.693	291.241	2.827	5.459	4.651
Spain	382	35	-	-	-	-
Czech Republic	204.979	232.804	210.430	14.438	17.836	12.888
Hungary	46.755	51.370	24.029	-	1.836	811
Albania	222	1.992	163	-	-	-
Macedonia	2.700	3.881	2.683	-	-	-
Norway	526	178	51	-	-	-
Switzerland and Liechtenstein	75.257	87.808	73.439	12	114	80
Serbia	2.076	276	1.868	-	-	-
Turkey	5.309	3.811	2.628	-	-	-

**Table 23: Export from Upper Austria (NUTS 2) to Countries, 2017 – 2019, tons & TEU's**

Country	Tonnes			TEU's		
	2017	2018	2019	2017	2018	2019
<b>Belgium</b>	128.309	123.912	132.717	-	-	-
<b>Bulgaria</b>	19.331	14.124	8.508	72	-	-
<b>Denmark</b>	6.750	-	-	-	-	-
<b>Germany</b>	2.902.034	3.131.942	2.919.325	119.914	121.354	127.148
<b>France</b>	55.352	32.568	21.134	996	834	780
<b>Greece</b>	66.102	40.533	65.394	3.929	1.892	4.000
<b>Italy</b>	1.050.186	1.174.752	1.224.593	21.654	25.678	21.388
<b>Croatia</b>	507	203	94	-	-	-
<b>Luxemburg</b>	664	96	482	-	-	-
<b>Netherlands</b>	107.838	210.527	215.040	5.144	10.792	10.088
<b>Poland</b>	251.444	200.749	223.692	76	-	-
<b>Romania</b>	63.985	30.337	29.990	1.688	-	-
<b>Sweden</b>	22.336	184	162	-	-	6
<b>Slovakia</b>	15.384	32.199	18.564	36	2.290	1.301
<b>Slovenia</b>	625.372	596.983	559.296	6.862	11.605	7.734
<b>Spain</b>	4.769	44	268	-	-	-
<b>Czech Republic</b>	338.609	289.617	317.232	4.700	2.264	5.120
<b>Hungary</b>	316.088	443.604	394.911	18.313	29.292	24.142
<b>Albania</b>	733	-	-	-	-	-
<b>Macedonia</b>	3.528	4.230	3.972	-	-	-
<b>Switzerland and Liechtenstein</b>	252.160	259.756	197.558	9.920	13.534	8.946
<b>Serbia</b>	4.272	9.474	4.540	-	-	-
<b>Turkey</b>	12.688	18.998	40.685	-	492	2.597
<b>Ukraine</b>	206	-	-	-	-	-

**Table 24: Export from Salzburg (NUTS 2) to Countries, 2017 – 2019, tons & TEU's**

Countries	Tonnes			TEU's		
	2017	2018	2019	2017	2018	2019
<b>Bulgaria</b>	3.164	2.531	2.082	-	-	-
<b>Germany</b>	26.881	16.548	44.949	2.008	1.912	3.231
<b>Finland</b>	100	-	-	-	-	-
<b>Greece</b>	90	-	-	-	-	-
<b>Italy</b>	169.542	154.868	90.234	5.778	6.166	3.841
<b>Croatia</b>	61.575	164	430	-	-	-
<b>Luxemburg</b>	-	35	-	-	-	-
<b>Poland</b>	204	127	-	-	-	-
<b>Romania</b>	85	85	-	-	-	-
<b>Sweden</b>	-	67	605	-	-	-
<b>Slovakia</b>	9.121	3.933	1.377	3.073	1.319	72
<b>Slovenia</b>	171.247	233.832	228.064	2.475	1.403	3.382
<b>Czech Republic</b>	238.521	219.428	160.943	20.760	19.664	13.912
<b>Hungary</b>	1.263	128	170	-	12	-
<b>Macedonia</b>	1.120	901	697	-	-	-
<b>Switzerland and Liechtenstein</b>	12.780	1.111	1.592	394	427	604
<b>Serbia</b>	5.167	2.955	4.866	-	-	-

**Table 25: Export from Styria (NUTS 2) to Countries, 2017 – 2019, tons & TEU's**

Countries	Tonnes			TEU's		
	2017	2018	2019	2017	2018	2019
Belgium	164.112	168.262	53.301	-	-	-
Bulgaria	9.674	7.997	6.995	-	-	-
Denmark	572	-	7	-	-	-
Germany	1.849.871	1.410.277	1.267.301	51.912	12.599	7.957
France	40.812	36.349	38.791	-	-	-
Greece	17.588	15.166	9.885	-	-	-
Italy	311.824	317.837	325.105	1.456	168	10
Croatia	5.129	21.989	22.245	3	264	771
Latvia	218	215	217	-	-	-
Lithuania	429	566	121	-	-	-
Luxemburg	10.487	9.783	12.279	-	-	-
Netherlands	22.809	16.299	14.314	-	-	-
Poland	93.919	112.660	95.712	25.049	22.163	23.408
Romania	64.760	49.019	30.456	-	-	-
Sweden	55.200	48.861	55.573	-	87	-
Slovakia	67.935	33.304	31.367	2.773	4.407	3.998
Slovenia	378.666	307.705	366.390	1.776	1.591	2.655
Spain	-	-	212	-	-	-
Czech Republic	33.818	23.621	36.667	6.102	545	2.084
Hungary	79.173	130.691	153.437	2.844	2.471	2.886
Albania	-	-	30	-	-	-
Belarus	-	646	-	-	-	-
Bosnia Herzegovina	5	248	55	-	-	-
Macedonia	243	423	1.021	-	-	-
Norway	351	-	-	-	-	-
Russian Federation	2.267	1.991	2.614	-	-	-
Switzerland and Liechtenstein	43.862	41.569	38.260	6	19	36
Serbia	3.270	10.360	2.633	-	-	-
Turkey	3.846	4.474	3.728	-	-	220
Ukraine	5.563	11.650	2.904	213	402	-

**Table 26: Export from Tyrol (NUTS 2) to Countries, 2017 – 2019, tons & TEU's**

Countries	Tonnes			TEU's		
	2017	2018	2019	2017	2018	2019
Belgium	9.195	11.589	4.225	-	-	-
Bulgaria	844	688	572	-	-	-
Germany	401.120	417.638	502.909	5.758	5.108	12.310
France	36.199	26.706	29.917	1.223	779	1.027
Greece	1.162	1.341	951	-	-	-
Italy	424.357	387.981	363.141	9.633	9.577	9.224
Croatia	5.106	7.659	4.341	-	-	-
Netherlands	1.789	-	-	-	-	-
Romania	1.114	-	-	-	-	-
Sweden	2.357	1.691	1.588	-	-	6
Slovakia	120	599	-	-	-	-
Slovenia	14.844	23.339	11.593	-	-	-
Czech Republic	6.724	5.627	2.166	492	417	150
Hungary	1.554	1.538	369	-	-	-
Macedonia	111	-	-	-	-	-
Norway	-	3.341	177	-	-	-
Switzerland and Liechtenstein	32.674	38.583	18.184	841	1.935	794
Turkey	815	-	-	-	-	-
Ukraine	4.917	814	-	216	36	-

**Table 27: Export from Vorarlberg (NUTS 2) to Countries, 2017 – 2019, tons & TEU's**

Country	Tonnes			TEU's		
	2017	2018	2019	2017	2018	2019
Belgium	825	-	-	-	-	-
Germany	246.590	222.083	245.482	15.353	15.369	16.395
Italy	125.859	166.336	153.190	2.570	5.016	5.155
Netherlands	91.371	103.292	123.766	6.372	6.341	7.600
Sweden	-	12	-	-	6	-
Slovakia	-	88	-	-	-	-
Slovenia	58.394	56.206	52.325	1.611	2.061	1.622
Czech Republic	973	-	-	47	-	-
Hungary	534	-	15	209	-	6
Albania	286	-	-	-	-	-
Macedonia	72	-	-	-	-	-
Switzerland and Liechtenstein	396.287	475.389	544.538	1.348	755	764

**Table 28: Export from Vienna (NUTS 2) to Countries, 2017 – 2019, tons & TEU's**

Country	Tonnes			TEU's		
	2017	2018	2019	2017	2018	2019
<b>Belgium</b>	92.817	58.233	42.389	2.689	2.889	2.100
<b>Bulgaria</b>	200	40	-	-	-	-
<b>Germany</b>	1.492.731	1.381.647	1.455.109	97.772	88.661	83.601
<b>France</b>	11	-	-	-	-	-
<b>Greece</b>	27	40	-	-	-	-
<b>Italy</b>	50.157	114.982	160.951	1.707	5.589	9.914
<b>Croatia</b>	-	1.627	-	-	-	-
<b>Netherlands</b>	2.519	1.128	797	-	-	-
<b>Poland</b>	207	15.604	479	-	8	117
<b>Romania</b>	26.443	26.727	8.065	-	-	-
<b>Sweden</b>	974	107	392	-	-	-
<b>Slovakia</b>	153.869	130.893	77.990	15	54	78
<b>Slovenia</b>	290.263	310.051	283.264	8.718	6.860	5.065
<b>Spain</b>	-	-	48	-	-	-
<b>Czech Republic</b>	22.442	50.881	47.612	-	280	1.340
<b>Hungary</b>	28.273	27.527	41.472	557	557	1.435
<b>Macedonia</b>	20	1.200	400	-	-	-
<b>Switzerland and Liechtenstein</b>	91.304	180.571	62.821	-	-	23
<b>Serbia</b>	2.062	-	1.048	-	-	-
<b>Turkey</b>	4.506	32.288	25.233	295	2.558	1.969
<b>United Kingdom</b>	-	-	23.168	-	-	1.056



## Transport on Waterway Danube

**Table 29: Danube transport flows**

Year	Values	Import	Export	Transit	Inland Traffic
2015	Tonnes	4.325.020	1.763.975	1.830.025	680.335
	1000 Tonnenkilometer Inland	806.253	292.068	640.509	66.764
	1000 Tonnenkilometer Foreign Country	3.317.991	1.317.736	1.890.660	-
2016	Tonnes	4.299.854	1.975.592	2.187.190	608.842
	1000 Tonnenkilometer Inland	826.415	319.038	765.517	51.505
	1000 Tonnenkilometer Foreign Country	3.358.467	1.590.332	2.362.384	-
2017	Tonnes	4.822.231	2.380.773	2.027.367	389.148
	1000 Tonnenkilometer Inland	917.935	364.604	709.579	30.194
	1000 Tonnenkilometer Foreign Country	3.603.998	2.008.579	2.086.778	-
2018	Tonnes	3.793.364	1.776.694	1.355.564	276.747
	1000 Tonnenkilometer Inland	728.942	257.441	474.447	27.696
	1000 Tonnenkilometer Foreign Country	2.700.107	1.328.215	1.447.132	-
2019	Tonnes	4.193.339	2.258.611	1.805.896	253.708
	1000 Tonnenkilometer Inland	763.913	322.637	606.357	21.742
	1000 Tonnenkilometer Foreign Country	3.256.241	1.576.070	1.856.770	-
2020	Tonnes	3.989.282	2.060.982	1.601.604	594.913
	1000 Tonnenkilometer Inland	745.690	304.139	537.678	18.356
	1000 Tonnenkilometer Foreign Country	2.871.579	1.413.530	1.657.325	-

**Table 30: Number of transports / loaded journeys 2015 – 2020 of Austrian Ports**

YEAR	Number of transports / loaded journeys																																			
	Port of Vienna (AT)							Port of Linz (AT)							Port of Krems (AT)						Ennschafafen Port (AT)						Other ports (AT)									
	DE	SK	HU	RS	BG	RO	UA	DE	SK	HU	HR	RS	BG	RO	UA	DE	HU	HR	RS	BG	RO	DE	SK	HU	HR	RS	MD	BG	RO	UA	DE	HU	RS	BG	RO	UA
2015	95	2	262	7	2	24	4	286	53	84	16	79	35	267	1	32	1	-	3	2	33	45	2	17	-	50	1	2	63	1	9	1	6	9	7	1
2016	33	8	316	-	21	26	3	278	28	146	43	84	48	320	-	11	-	-	5	5	18	17	1	2	4	66	-	4	31	-	7	-	8	17	11	1
2017	51	5	375	25	5	38	-	305	13	124	41	78	33	347	-	103	-	-	3	4	25	27	1	3	1	79	1	8	51	2	13	-	3	21	2	-
2018	23	5	515	16	8	18	-	280	37	121	32	31	21	311	4	29	1	-	4	4	18	11	4	23	2	44	-	7	17	-	23	1	4	13	7	-
2019	17	6	551	10	13	14	-	336	63	157	28	58	34	315	-	5	3	1	5	-	42	26	1	16	-	59	-	4	69	-	19	1	5	11	8	-
2020	9	4	535	8	7	13	-	272	63	155	7	97	44	323	-	12	7	-	-	1	50	50	15	12	-	44	-	2	20	1	35	2	6	1	4	-

**Table 31: Number of loaded units from Danube Ports to Port of Vienna 2016 - 2020**

Port of Unloading	Port of Vienna (AT)																									
	Germany (DE)	Bratislava (SK)	Baja (HU)	Budapest (HU)	Dunajvaros (HU)	Komarom (HU)	Mohacs (HU)	Szony (HU)	Szazhalombatta (HU)	Osijek (HR)	Vukovar (HR)	Apatin (RS)	Beograd (RS)	Pancevo (RS)	Smederevo (RS)	Lom (BG)	Ruse (BG)	Svistov (BG)	Braila (RO)	Constanta (RO)	Drobeta Turnu Severin (RO)	Galati (RO)	Giurgiu (RO)	Tulcea (RO)	Galati Area (RO)	Reni (UA)
2016	23	21	-	2	20	-	2	3	4	4	1	3	1	5	65	1	6	3	-	25	7	12	2	2	-	3
2017	19	61	1	2	26	-	-	20	4	-	-	-	3	3	80	-	23	2	-	6	10	17	1	3	-	3
2018	27	33	2	3	34	-	-	14	-	-	-	-	-	-	76	-	4	-	2	2	-	18	-	-	-	1
2019	24	39	-	-	15	1	-	7	1	-	-	-	-	6	91	-	3	-	-	4	-	15	-	-	-	-
2020	20	22	-	4	23	10	-	1	-	-	-	-	-	2	59	-	7	-	-	-	6	17	-	-	-	6

**Table 32: Number of loaded units from Danube Ports to Port of Linz 2016 - 2020**

Port of Unloading	Port of Linz (AT)											
	Germany (DE)	Bratislava (SK)	Budapest (HU)	Dunajvaros (HU)	Komarom (HU)	Szony (HU)	Szazhalombatta (HU)	Vidin (BG)	Constanta (RO)	Turnu Magurele (RO)	Ismail (UA)	
2016		5	956	7	35	-	38	3	1	3	-	685
2017		-	1029	23	15	-	25	2	-	4	1	679
2018		1	845	21	1	6	86	-	-	1	-	598
2019		2	625	18	-	-	14	1	-	49	-	584
2020		11	838	14	-	-	25	3	-	-	-	630

## Bulgaria

### Main rail routes:

Railways for combined transport with their main technical characteristics are presented in the following table.

**Table 33: Technical characteristics of the railways used for combined transport**

No	Route	Type	Length, km	Single track, km	Double track, km	Electrified
1	Kalotina west - Svilengrad	Rail-highway class	375.4	187.0	188.4	yes
2	Sofia - Mezdra	Rail-highway class	87.9		87.9	yes
	Mezdra - Sindel	1st class	421.8		421.8	yes
	Sindel - Varna	Rail-highway class	24.6		24.6	yes
3	Iliyantsi - Tulovo	1st class	220.5	220.5		yes
	Tulovo - Dabovo	Rail-highway class	8.3		8.3	yes
	Dabovo - Zimnitsa	1st class	92.1	92.1		yes
	Karnobat - Varna ferry	Rail-highway class	129.1	58.4	70.7	yes
4	Ruse - Dabovo - Stara Zagora	Rail-highway class	254.2	254.2		yes
	Mihailovo - Dimitrovgrad	Rail-highway class	33.6	33.6		yes
5	Sofia - Kulata	Rail-highway class	209.1	198.9	10.2	yes
6	Radomir - Gueshevo	Rail-highway class	88.6	88.6		no

7	Mezdra - Danube bridge border	Rail-highway class	194.0	183.2	10.8	yes
8	Plovdiv - Karnobat - Burgas	Rail-highway class	258.4	128.9	129.5	yes
9	Ruse - Kaspichan	1st class	137.5	137.5		yes
	<b>Linear length</b>		<b>2535.0</b>	<b>1582.7</b>	<b>952.3</b>	
	Relative share			62.4%	37.6%	
	<b>Expanded length</b>		<b>3487.3</b>	<b>1582.7</b>	<b>1904.6</b>	

As it can be seen from the above data, the combined transport infrastructure is not yet able to provide sufficient speeds that meet the international commitments made for the development of rail transport.

The capacity of the combined transport rail network is sufficient: according to the cargo transport corridor nr. 7, only about  $\frac{1}{4}$  of the length of the corridor is used between 50% and 90% of the capacity, while the remaining 75% is used below 50%.

Due to the interrupted repair cycle from the last 20 years, the technical condition of the railways, switches and equipment is unsatisfactory in many places of the combined transport network, which has a negative impact on the maximum allowed speeds.

In conclusion, the design parameters and the technical condition of the railways and the facilities, do not meet for the most part the requirements for efficient and effective combined rail transport in terms of speed, axle load, load gauge for combined transport and train length.

#### Main Port routes:

The port infrastructure of the Republic of Bulgaria is well developed, and includes two large sea ports and several river ports located on the Danube River with multiple terminals. The two main ports located on the combined transport network are presented below.

#### **Port of Ruse**

Port of Ruse is the biggest Bulgarian river port on the Danube. It has a key position along the Pan-European Transport Corridors:

- Corridor 7 – Rhine-Main-Danube
- Corridor 9 - Helsinki - St. Petersburg - Moscow - Kiev - Bucharest – Ruse - Dimitrovgrad – Alexandroupolis
- The route of the silk – combined transport of transit cargoes via the link Varna - Ruse
- Corridor TRACECA – passes through the territories of 12 countries and connects Asia and the Caucasus countries (Uzbekistan – Azerbaijan – Georgia) with Western Europe.

The port is also 2 km away from Bulgaria’s road connection to Romania – the Danube Bridge.

**Figure 29: Port of Ruse**



Port of Ruse is a multimodal transport centre and provides suitable connection between three modes of transport – water, rail and road transport. The port is directly connected to the national rail and road network of Bulgaria.

The port of Ruse has 3 cargo terminals: Ruse-East (comprising 1 conventional and 1 Ro-Ro terminal), Ruse-West, Port Bulmarket and a passenger quay.

Port complex – Ruse consists of the following Port Terminals – Ruse-East, Ruse-Center, Silstra and Tutrakan.

Port Terminal Ruse–East is the largest Bulgarian port terminal on the Danube and the only one from the port complex in Ruse, which handles cargo. The terminal has 14 berths and cargo handling capacity: 2500000 t/y.

Port of Ruse-East is the only Bulgarian Danube port equipped for transshipment of heavy cargo units of up to 60 tonnes. Out-of-gauge and heavy-lift cargoes of 60 to 100 tonnes unit weight can be handled using the available 100-tonnes-SWL floating crane solely or jointly with 2 rail mounted port cranes of 32 tonnes SWL each. Synchro lifts of heavier units from 100 to 200 tonnes (depending on the lifting scheme) can be carried out using the 100-tonnes-SWL floating crane jointly with an externally hired heavy mobile crane of over 250 tonnes SWL.

The Ro-Ro terminal is located to the west of the conventional cargo terminal. It provides simultaneous mooring of 2 Ro-Ro vessels and can be used for either liner Ro-Ro services or horizontal transshipment of extremely large heavy-lift or OOG units on wheels.

## **Port of Lom**

Port of Lom is a Bulgarian river port of national importance and consists of the terminals Lom and Oryahovo. The capacity for cargo handling is bigger than the existing volumes. Port of Lom can handle about 3 mln. tonnes/ year.

**Figure 30: Port of Lom**



The port of Lom is a point of intersection of the transport corridors No. 4 (West – South) and No. 7 (the Danube). Port of Lom stands 162 kilometres north of Sofia, 56 km. southeast of the city of Vidin, 49 km. north of the city of Montana and 42 km. west of the town of Kozloduy. The port of Lom is connected to the national railway network and the national road network.

Port terminal Lom is a trimodal multipurpose terminal – “road-railway-river”. It has 13 berths.

Port terminal Oryahovo is specialized in processing general and bulk cargo, and passengers. It has 3 berth places.

- Transport modes

**Domestic cargo transport** in Bulgaria is almost exclusively by road and rail at the present. The goods transported by sea and inland waterways are minimal quantities - less than 1% of the total transported goods on inland waterways and less than 0.2% on sea transport.

The total cargo turnover for the period 2010 - 2018/2019 is about 135 million tonnes/year on average, varying from -8.7% to + 10.3%. In 2019, however, there was a decrease of 25 million tonnes compared to the previous year, from 131 million tonnes to 106 million tonnes, which can be explained only by the economic situation. A decrease was also registered in rail transport - by about 500 thousand tonnes, or 5%, but it was much more significant in road transport - by 23.5 million tonnes, or 20% less than 2018. Domestic transport data by mode of transport are presented in the following table.

**Table 34: Domestic transport for 2010 - 2019**

Thousand tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019

Road	117 270	120 653	121 357	137 457	132 984	133 212	112 250	117 080	119 747	96 206
Rail	9 252	10 016	8 953	10 152	10 361	10 296	9 677	11 374	10 406	9 893
Inland waterways	1 434	1 563	1 407	1 190	1 431	1 695	1 222	1 092	850	N/A
Sea	N/A	N/A	N/A	N/A	N/A	77	38	76	68	N/A
<b>Total</b>	<b>127 956</b>	<b>132 232</b>	<b>131 717</b>	<b>148 799</b>	<b>144 776</b>	<b>145 279</b>	<b>123 188</b>	<b>129 622</b>	<b>131 070</b>	<b>106 099</b>

Domestic transport through river ports is presented in the following table:

**Table 35: Domestic transport through river ports**

Cargo	2015	2016	2017	2018
<b>Total:</b>	1695	1222	1092	848
Liquid	0	1.65	0	0
Bulk	1689	1220	1092	850
General	6	0.02	0.3	0.02
Containers	0	0	0	0
Share of bulk	99.64%	99.86%	99.97%	99.99%

The share of combined domestic transport in Bulgaria is extremely low.

Rail transport is preferred mainly for the transport of solid mineral fuels, oil and petroleum products, iron ore and scrap, non-ferrous metal ores, metal products, natural and chemical fertilizers.

From the point of view of road cargo transport, data on the quantities of goods transported by road - domestic and international, are presented below. The data shows that for the analysed period, most of the quantity of goods transported by road was carried out within domestic transport. The share of international transport in the total amount of goods transported by road increased significantly from 8.70% in 2007 to 29.32% in 2018.

**Table 36: Quantities of goods transported by road for the period 2007 - 2018 (thousand tonnes)**

Transport type	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Domestic transport	65878,7	58625,6	45114,0	36312,1	45105,6	47823,1	57894,7	56268,0	57930,9	49202,6	57541,9	54049,1



International transport	6277,5	6517,7	9586,3	11740,5	13777,9	17458,5	21503,0	19465,6	27302,6	33340,8	34098,4	22420,2
Total	72156,2	65143,3	54700,3	48052,6	58883,5	65281,6	79397,7	75733,6	85233,5	82543,4	91640,3	76469,3

Source: NSI

The data for the volume of domestic road cargo transport by regions of loading for 2007 - 2018 period, is shown in the following table:

**Table 37: Domestic Road cargo transport by regions of loading for 2007 - 2018 period (thousand tonnes)**

Region	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
North-West	3580,2	6831,1	5060,3	3471,5	3501,8	2560,0	4241,1	3984,9	4366,7	2465,6	4094,9	5118,5
North-Central	3022,2	3135,0	4170,0	3860,9	4633,6	4429,1	5736,1	4319,7	4541,1	4555,2	6521,0	6121,4
North-East	3887,2	11874,0	7041,7	7302,4	9438,0	8895,4	17403,1	18856,2	13545,0	9766,8	10720,6	13553,1
South-East	14434,0	12979,4	12606,2	5024,1	13494,4	10651,0	9850,9	9880,3	10649,9	10862,6	9968,4	9412,7
South-West	29468,6	13638,1	7101,1	8521,6	5899,3	11225,5	12122,9	9901,5	16737,1	14395,7	14858,5	9771,9
South-Central	11486,5	10168,0	9134,7	8131,6	8138,5	10062,1	8540,6	9325,4	8091,1	7156,7	11378,5	10071,5
Total	65878,7	58625,6	45114,0	36312,1	45105,6	47823,1	57894,7	56268	57930,9	49202,6	57541,9	54049,1

Source: NSI

The data shows that in the first half of the analysed period, the leading regions in terms of loaded cargo are South-West and South-East, and in the second half of the period the leading regions are South-West and North-East.

The data for the volume of domestic road cargo transport by regions of unloading for 2007 - 2018 period, is shown in the following table:

**Table 38: Domestic road cargo transport by regions of unloading for 2007 - 2018 period (thousand tonnes)**

Region	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
North-West	3015,7	5674,2	3874,9	1839,7	3240,1	2794,5	3932,7	3300,0	4208,0	2773,0	3276,5	4025,5
North-Central	2587,4	3353,2	3894,7	3035,5	4476,1	3326,4	4591,8	4170,8	4689,4	3633,9	6020,1	5437,2
North-East	3794,3	11733,8	7269,2	8515,7	9004,9	9779,0	19446,5	19323,8	13261,1	11233,1	11609,7	14761,6
South-East	14670,1	12929,7	12587,9	5656,3	13055,8	10754,6	9852,6	9473,5	10644,6	10360,1	9603,7	9731,8
South-West	30439,1	14532,1	8123,0	9352,7	6803,0	11116,1	11040,4	9823,4	17291,2	13757,0	15376,0	10512,7
South-Central	11372,1	10402,6	9364,3	7912,2	8525,7	10052,5	9030,7	10176,5	7836,6	7445,5	11655,9	9580,3
Total	65878,7	58625,6	45114,0	36312,1	45105,6	47823,1	57894,7	56268	57930,9	49202,6	57541,9	54049,1

Source: NSI

In the first half of the analysed period, the leading regions in terms of unloaded cargo are South-East and South-West, and in the second half, the leading regions were North-East and South-West. During seven of the years from the analysed period, the largest quantities of cargo were unloaded in the South-West region of the country. In three of the years the leader of this indicator was the North-East region, and in two of the years the leader was the South-East region.

**The total foreign trade** of Bulgaria increased during the period 2015 - 2017 by an average of 5.6% per year from 48.8 million tonnes in 2015 to 54.4 million tonnes in 2017. In 2018, however, there was a decrease of 5.3%, which is due to a decline in both imports and exports by sea and by rail. In 2019, this decline was overcome and the foreign trade reached 56.2 million tonnes. In accordance with the analysis from above for exports of raw materials and imports of processed products, the relative share of exported goods in tonnes is 53.5% or an average of about 28 million tonnes/year and exceeds the share of imported goods - 46.5% or about 24.4 million tonnes / year.

International transport of imported and exported goods is done mainly by sea and road, which represents over 88% of the total transported goods, with an advantage for sea transport over road transport.

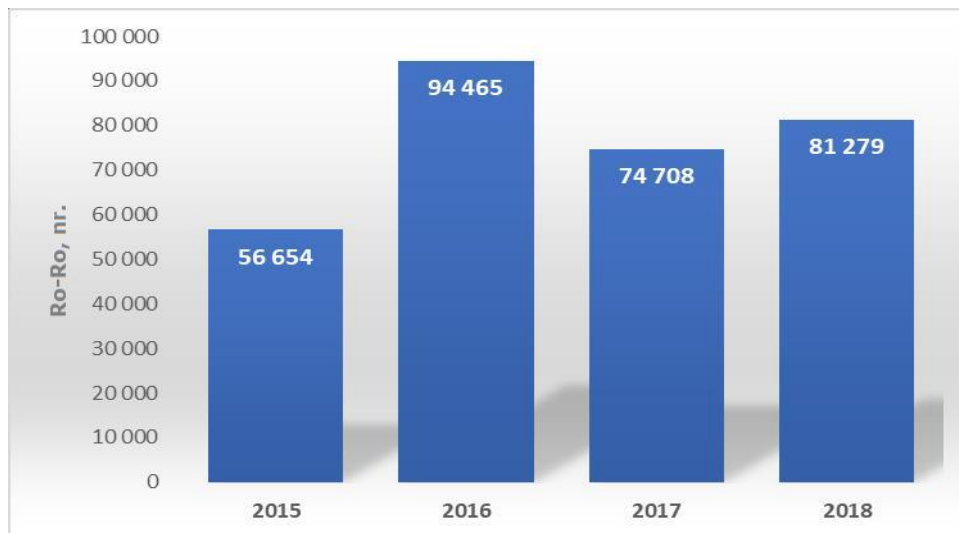
Ro-Ro transport is carried out mainly by river transport. The cargo turnover for 2015 - 2018 period, is presented below:

**Table 39: Ro-Ro cargo turnover (thousand tonnes)**

<b>Year:</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Total:</b>	410	570	700	545

Ro-Ro traffic for the same period through the ports of Lom and Ruse is presented in the following two charts:

**Figure 31: Ro-Ro traffic in the port of Lom**



**Figure 32: Ro-ro traffic in the port of Ruse**



Exports of goods by combined transport grew steadily in the analysed period with an annual average rate of 5.6% from 1.9 million tonnes in 2015 to 2.2 million in 2018. The average relative share of combined transport of total exports was 7.4%. This segment is completely dominated by maritime transport.

Imports of goods by combined transport grew steadily in the analysed period with an annual average rate of 5.5%, from 1.44 million tonnes in 2015 to 1.69 million in 2018. The average relative share of combined transport of total imports was 6.5%. This segment is completely dominated by maritime transport.

Transit through Bulgaria by combined transport is carried out only by rail. During the analysed period, the quantities remained relatively constant and represent on average about 5.4% of the total transit.

Unlike domestic transport, where the relative share of combined transport is negligibly small, this type of transport attracts on average about 6.7% of all transported goods through international traffic. For the analysed period, this type of transport increased by an average of 4.7% per year, with an advantage in growth for rail transport (9.3% on average per year) over the sea transport (3.6% on average per year).

**Table 40: Share of types of cargo transport from the total international transport**

(tonnes)	2015	2016	2017	2018
Railway	701 776	772 840	718 767	915 296
Sea	3 208 316	3 277 892	3 451 419	3 571 101
IWW	2 457	877	0	0
<b>Overall combined transportation</b>	<b>3 912 549</b>	<b>4 051 609</b>	<b>4 170 186</b>	<b>4 486 397</b>
Share of international transport	6.7%	6.6%	6.4%	7.1%

(tonnes)	2015	2 016	2017	2018
Railway	727 782	801 252	764 695	946 521
Sea	3 208 316	3 277 892	3 451 419	3 571 101
IWW	2 457	877	0	0
<b>Overall combined transportation</b>	<b>3 938 555</b>	<b>4 080 021</b>	<b>4 216 115</b>	<b>4 517 622</b>
Share of international transport	3.1%	3.3%	3.1%	3.5%

The cargo turnover through the Bulgarian river ports for the 2014-2019 period is shown in the table below.

**Table 41: Cargo turnover through the Bulgarian river ports between 2014-2019**

Cargo (thousand tonnes)						
Year	2014	2015	2016	2017	2018	2019
<b>Import</b>	1669	1707	1458	1714	1933	1830
<b>Export</b>	1410	1169	1313	892	2142	2485
<b>Local transportation</b>	1412	1695	1222	1092	850	1070
<b>OVERALL</b>	4491	4571	3993	3698	4925	5385

Source: Danube Commission

- Category of goods

The cargo turnover in the Bulgarian ports is based mainly on the import and export of cargo. While for the period until 2010 imports were higher than exports, in the period after 2012 things changed and exports in cargo surpassed imports.

The biggest trade exchange by water is with the Russian Federation, followed by Turkey, Romania and Ukraine. The amounts of processed cargo for other destinations are very small.

The main share of the cargo turnover in the Bulgarian ports belongs to liquid bulk cargo and it varies between 38% to 50%. The largest cargo turnovers were reached in 2008 and 2013, which is mainly due to the large export of grains.

The transportation of liquid cargo also has a major share in the growth of Bulgarian seaports – 32%, which is mainly processed in the ports at the sea. Despite the small decrease in 2009 -2011, there is constant growth.

Constant growth rate is also visible in the processing of containerized cargo as the cargo turnover for 2015 is 57.4%, higher than in 2007.

For the other types of cargo (general cargo), after the strong decrease in 2009 and 2010, there has since been a slight increase, but the level of the cargo turnover from 2007 has yet to be reached.

The biggest decrease can be seen in ro-ro cargo, as they have declined by over 4 times what they were compared to 2007 and 2008. This is mainly due to the drastic reduction in ro-ro traffic through the river ports, especially in the region of Lom and Vidin, the reason for which is the opening of Danube Bridge 2 in Vidin and redirection of road traffic through it.

The cargo turnover through the Bulgarian river ports, divided by type of cargo, is shown in the following table.

**Table 42: Cargo turnover through the Bulgarian river ports by types of cargo**

2019					
Imports		Exports		Cargo	
35.90%	657	52.57%	1306	Dry bulk	
27.60%	505	4.38%	109	General	
18.00%	329	2.25%	56	Liquid bulk	
18.50%	339	40.80%	1014	Ro-Ro	
<b>100.00%</b>	<b>1830</b>	<b>100.00%</b>	<b>2485</b>		

For the 2014-2017 period, this is the standardized division of the transported cargo through the Bulgarian river ports:

**Table 43: Transported cargo through the Bulgarian river ports for the 2014 - 2017 period**

Overall (thousand tonnes)				Cargo	
2014	2015	2016	2017	Code	Name
0	0	0	0		
1295	1097	1115	966	<b>01</b>	Agricultural products
863	581	395	519	<b>02</b>	Fuels
1378	1772	1299	1120	<b>03</b>	Ore
2	3	7	9	<b>04</b>	Foods and drinks
				<b>05</b>	Textile and leather
39	20	2	1	<b>06</b>	Wood, cellulose and paper
370	349	367	296	<b>07</b>	Coke and petroleum products
157	183	198	228	<b>08</b>	Chemicals and plastic
88	57	83	62	<b>09</b>	Non-metallic minerals
297	455	514	454	<b>10</b>	Metals and metal products
13	13	5	5	<b>11</b>	Machines and equipment
3	4	4	1	<b>12</b>	Transport equipment
				<b>13</b>	Furniture
5	12	12	13	<b>14</b>	Waste and scrap
				<b>15</b>	Mail
				<b>16</b>	Transportation equipment

				17	Luggage
				18	General cargo
				19	Unidentified cargo
		5	13	20	Others
4510	4546	4006	3687	<b>Overall</b>	

Source: Danube Commission

In the following the imports and exports of Bulgaria in relation with DR countries for year 2018 are presented by transport modes and type of goods.

## IMPORTS

**Table 44: Imports NSTR 0 Agricultural products, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
0 - Unknown	1	195		11	66	5
1 - Sea		464				
2 - Rail	17010	24		5312		2666
3 - Road	10566	65758	2319	7224	42248	1850
4 - Air	0	8	0	0	7	0
8 - Inland Waterway				1090	11070	
<b>Total</b>	27577	66449	2319	13637	53391	4521

**Table 45: Imports NSTR 1 Foodstuffs and animal fodder, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
0 - Unknown	0	132		2	2639	
1 - Sea		107			9425	
2 - Rail	19054	1023	9194	16708	3673	
3 - Road	29469	128203	15420	87122	427044	16629
4 - Air	1	1		2039	45916	0
8 - Inland Waterway	5433	718	20246	2200	72118	
<b>Total</b>	53957	130184	44860	108071	560815	16629

**Table 46: Imports NSTR 2 Solid Mineral Fuels, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
0 - Unknown						
1 - Sea						
2 - Rail						
3 - Road	285	3168			66	



<b>4 - Air</b>						
<b>8 - Inland Waterway</b>					77543	
<b>Total</b>	285	3168	0	0	77609	0

**Table 47: Imports NSTR 3 Petroleum products, tonnes, 2018**

<b>Mode/Country</b>	<b>Austria</b>	<b>Germany</b>	<b>Croatia</b>	<b>Hungary</b>	<b>Romania</b>	<b>Slovakia</b>
<b>0 - Unknown</b>	157	30		0	2	
<b>1 - Sea</b>					1828	
<b>2 - Rail</b>	0	0	4131	6884	396637	
<b>3 - Road</b>	709	7159	793	5902	98661	570
<b>4 - Air</b>	0	2			0	
<b>8 - Inland Waterway</b>	2996	9		2932	244816	
<b>Total</b>	3862	7200	4924	15718	741944	570

**Table 48: Imports NSTR 4 Ores and metal waste, tonnes, 2018**

<b>Mode/Country</b>	<b>Austria</b>	<b>Germany</b>	<b>Croatia</b>	<b>Hungary</b>	<b>Romania</b>	<b>Slovakia</b>
<b>0 - Unknown</b>						
<b>1 - Sea</b>		10703				
<b>2 - Rail</b>					48262	
<b>3 - Road</b>	228	303	2113	1298	86353	107
<b>4 - Air</b>						
<b>8 - Inland Waterway</b>						
<b>Total</b>	228	11006	2113	1298	134615	107

**Table 49: Imports NSTR 5 Metal products, tonnes, 2018**

<b>Mode/Country</b>	<b>Austria</b>	<b>Germany</b>	<b>Croatia</b>	<b>Hungary</b>	<b>Romania</b>	<b>Slovakia</b>
<b>0 - Unknown</b>	31	21		24	68	
<b>1 - Sea</b>		1965			5	
<b>2 - Rail</b>	5151	462		400	11337	5408
<b>3 - Road</b>	17882	36788	596	8578	101463	11023
<b>4 - Air</b>	4	45	0	0	2	0
<b>8 - Inland Waterway</b>	1126				93779	1391
<b>Total</b>	24194	39281	596	9002	206654	17822

**Table 50: Imports NSTR 6 Crude and manufactured minerals, building materials, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>	0	4		0	49	
<b>1 - Sea</b>		1903			3668	
<b>2 - Rail</b>	1643	159			179	88
<b>3 - Road</b>	7905	30974	5491	15514	96407	2734
<b>4 - Air</b>	0	2	21		39	
<b>8 - Inland Waterway</b>					26	
<b>Total</b>	9548	33042	5512	15514	100368	2822

**Table 51: Imports NSTR 7 Fertilizers, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>						
<b>1 - Sea</b>		506				
<b>2 - Rail</b>	100					
<b>3 - Road</b>	1486	13923	6035	44	27050	2457
<b>4 - Air</b>						
<b>8 - Inland Waterway</b>	23502	1600	26758	8093	39377	
<b>Total</b>	25088	16029	32793	8137	66427	2457

**Table 52: Imports NSTR 8 Chemicals, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>	23	106	1	2	184	26
<b>1 - Sea</b>		5103			1	
<b>2 - Rail</b>	5273	6075	595	20185	42798	2241
<b>3 - Road</b>	43266	154988	2833	36722	204712	16310
<b>4 - Air</b>	65	281	0	489	25	32
<b>8 - Inland Waterway</b>						
<b>Total</b>	48627	166553	3429	57398	247720	18609

**Table 53: Imports NSTR 9 Machinery, transport equipment, manufactured articles and miscellaneous articles, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>	4347	17064	100	575	2559	629
<b>1 - Sea</b>		665	1		16	
<b>2 - Rail</b>	16099	8751	53	514	2397	946
<b>3 - Road</b>	68390	279509	8219	87708	280545	31752

<b>4 - Air</b>	284	2608	18	184	55	6
<b>8 - Inland Waterway</b>	2	1291		5	473	
<b>Total</b>	89122	309888	8391	88986	286045	33333

The highest import flows are from Romania, for petroleum products with 742 thousand tonnes, of which 244 thousand tonnes on IWT. These are followed by foodstuffs and animal fodder with 562 thousand tonnes, of which 72 thousand tonnes by IWT and 427 thousand tonnes by road.

## EXPORTS

**Table 54: Exports NSTR 0 Agricultural products, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>	5	18	0	59	409	41
<b>1 - Sea</b>		291436			7704	
<b>2 - Rail</b>		0			19	
<b>3 - Road</b>	1727	15370	1586	10928	182194	3941
<b>4 - Air</b>	0	19	4	1	0	
<b>8 - Inland Waterway</b>					655196	
<b>Total</b>	1732	306843	1590	10988	845522	3982

**Table 55: Exports NSTR 1 Foodstuffs and animal fodder, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>	0	11		0	61	0
<b>1 - Sea</b>		16542	2		3350	
<b>2 - Rail</b>	65	14920			95	
<b>3 - Road</b>	27892	149734	10408	16313	394844	7487
<b>4 - Air</b>		0	5	15	7	0
<b>8 - Inland Waterway</b>	8947				35746	
<b>Total</b>	36904	181207	10415	16328	434103	7487

**Table 56: Exports NSTR 2 Solid Mineral Fuels, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>					0	
<b>1 - Sea</b>						
<b>2 - Rail</b>						
<b>3 - Road</b>					2582	
<b>4 - Air</b>						
<b>8 - Inland Waterway</b>						
<b>Total</b>	0	0	0	0	2582	0

**Table 57: Exports NSTR 3 Petroleum products, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>	4130				3692	
<b>1 - Sea</b>		213	59897			
<b>2 - Rail</b>				13846	118308	
<b>3 - Road</b>	58	103	1402	490	10888	374
<b>4 - Air</b>	5462	19441	66	48973	241	590
<b>8 - Inland Waterway</b>	2312	386		10910	3106	298
<b>Total</b>	11962	20143	61365	74219	136235	1262

**Table 58: Exports NSTR 4 Ores and metal waste, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>						
<b>1 - Sea</b>		730			6	
<b>2 - Rail</b>		2966			24	179824
<b>3 - Road</b>	5283	4761		2952	55245	606
<b>4 - Air</b>		0				
<b>8 - Inland Waterway</b>						
<b>Total</b>	5283	8457	0	2952	55275	180430

**Table 59: Exports NSTR 5 Metal products, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>		2			3	0
<b>1 - Sea</b>		479	15		1003	
<b>2 - Rail</b>	649	70098	1134	9480	49204	2983
<b>3 - Road</b>	26721	127837	15628	84914	290500	33076
<b>4 - Air</b>	0	0			0	
<b>8 - Inland Waterway</b>	183	78335			35524	
<b>Total</b>	27553	276751	16777	94394	376234	36059

**Table 60: Exports NSTR 6 Crude and manufactured minerals, building materials, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>					3	
<b>1 - Sea</b>		257			10450	
<b>2 - Rail</b>	3602				150120	
<b>3 - Road</b>	10065	12771	8492	16762	630369	1098

<b>4 - Air</b>		1				
<b>8 - Inland Waterway</b>					309844	
<b>Total</b>	13667	13029	8492	16762	1100786	1098

**Table 61: Exports NSTR 7 Fertilizers, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>						
<b>1 - Sea</b>						
<b>2 - Rail</b>				15668	37068	
<b>3 - Road</b>	401	130		1	311929	2
<b>4 - Air</b>						
<b>8 - Inland Waterway</b>	4058		20802	15791	1028	
<b>Total</b>	4459	130	20802	31460	350025	2

**Table 62: Exports NSTR 8 Chemicals, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>	1	14	0	1	20	1
<b>1 - Sea</b>		25			5097	
<b>2 - Rail</b>	3941	35912	31795	56075	46740	14463
<b>3 - Road</b>	4963	31443	8418	25961	314194	23475
<b>4 - Air</b>	3	12	0	0	2	0
<b>8 - Inland Waterway</b>	5318				30634	
<b>Total</b>	14226	67406	40213	82037	396687	37939

**Table 63: Exports NSTR 9 Machinery, transport equipment, manufactured articles and miscellaneous articles, tonnes, 2018**

Mode/Country	Austria	Germany	Croatia	Hungary	Romania	Slovakia
<b>0 - Unknown</b>	144	7132	31	158	1046	25
<b>1 - Sea</b>		38	108		54	
<b>2 - Rail</b>	3015	13685	0	963	1105	4300
<b>3 - Road</b>	41641	286334	14969	43955	314422	17174
<b>4 - Air</b>	45	492	3	8	118	28
<b>8 - Inland Waterway</b>	2253	386		1504	383	4
<b>Total</b>	47098	308067	15111	46588	317128	21531

The highest export flows are to Romania, for Crude and manufactured minerals, building materials with 1.1 million tonnes, of which 310 thousand tonnes on IWT. These are followed by Agricultural products with 846 thousand tonnes, of which 655 thousand tonnes by IWT. Most probable these are cereals which are in fact exported via the Port of Constanta,

### **Croatia**

Data from Croatia are provided in the transport chain structure, and it is presented below. It is observed that the total IWT flows for year 2018 are 411 thousand tonnes, on both directions, thus both loaded and unloaded in Vukovar.

Table 64: Vukovar freight flows 2015 - 2019

Year	Origin of flows of goods	Type of goods	Mode at Origin	Loading unit at origin	Tranship, 1	Mode between tranship.	Loading unit between tranship.	Tranship. 2	Mode at destination	Loading unit at destination	Destination	Freight volume in tonnes/year
	<b>locality or NUTS2</b>				<b>Port/ terminal</b>			<b>Port/ terminal</b>			<b>locality or NUTS2</b>	
	Croatia	0	1	port crane	Vukovar	2		Split	9			17.082
	Croatia	0	1	pneumatic vacuum conveyor	Vukovar	3		Constanta	9			69.595
	Croatia	0	1	pneumatic vacuum conveyor	Vukovar	3		Straubing	9		Germany	37.670
	Bosnia and Herzegovina	5	2	port crane	Vukovar	3		Drobeta Turn, Bralia	9		Romania	5.748
	Romania, Ukraine	5	9		Galati, Izmail	3	port crane	Vukovar	1 or 2		Croatia	7.198
	Croatia	6		port crane	Vukovar	3		Beočin	9		Serbia	7.803
<b>2015</b>	Croatia	7	2	port crane	Vukovar	3		Giurgiu, Bralia, Drobeta Turn Severin, Orsova, Budapest, Paks, smederevo	9		Romania, Hungary, Serbia	179.915



Croatia	7	1	port crane	Vukovar	3		Russe	9		Bulgaria	24.627
Austria, Germany, Ukraine, Romania	7	9		Enns, Krems, Hanau, Reni, Constanta	3	port crane	Vukovar	1		Croatia	60.743
Croatia	9	1	port crane	Vukovar	3		Ruse	9		Bulgaria	305
Bosnia and Herzegovina	10	1		Vukovar	3		Vienna	9		Austria	6.948
	10	9		Amsterdam	3		Vukovar	1		Bosnia and Herzegovina	5.295

	Croatia	0	1	port crane	Vukovar	2		Split	9		8.841
	Croatia	0	1	pneumatic vacuum conveyor	Vukovar	3		Constanta	9		44.912
	Croatia	0	1	pneumatic vacuum conveyor	Vukovar	3		Straubing, Mainz, Neuss, Mannheim	9	Germany	25.105
		2	9		Izmail, Constanta	3	port crane	Vukovar	1	Bosnia and Herzegovina	12.130
	Croatia	6	1	port crane	Vukovar	3		Beočin	9	Serbia	9.794
<b>2016</b>	Bosnia and Herzegovina	5	2	port crane	Vukovar	3		Drobeta Turn, Bralia	9	Romania	17.451

	Romania, Ukraine	5	9		Galati, Izmail	3	port crane	Vukovar	1 or 2		Croatia	14.909
	Croatia	7	2	port crane	Vukovar	3		Giurgiu, Bralia, Drobeta Turn Severin, Orsova, Budapest, Paks, smederevo	9		Romania, Hungary, Serbia	82.989
	Croatia	7	1	port crane	Vukovar	3		Russe	9	3		13.072
	Austria, Germany, Ukraine, Romania	7	9		Enns, Krems, Hanau, Reni, Constanta	3	port crane	Vukovar	1		Croatia	45.923
	Croatia	9	1	port crane	Vukovar	3		Ruse	9		Bulgaria	762
	Bosnia and Herzegovina	10	1	pump for liquid	Vukovar	3		Vienna	9		Austria	8.858
	Netherland	10	9		Amsterdam	3	pump for liquid	Vukovar	1		Bosnia and Herzegovina	2.148

<b>2017</b>	Croatia	0	1	port crane	Vukovar	2		Split	9			1.609
	Croatia	0	1	pneumatic vacuum conveyor	Vukovar	3		Constanta	9			8.648

			pneumatic vacuum conveyor	Vukovar	3		Straubing	8		Germany	51.816
	2	9		Izmail, Constanta	3	port crane	Vukovar	1		Bosnia and Herzegovina	68.128
Croatia	4	1	port crane	Vukovar	3		Constanta	4		Turkey	2.229
Bosnia and Herzegovina	5	2	port crane	Vukovar	3		Drobeta Turn, Braila, Galati	9		Romania	14.590
Ukraine, Romania	5	9	Izmail, Galati		3	port crane	Vukovar	1 or 2		Croatia	17.601
Croatia	6	2	port crane	Vukovar	3		Beočin	9		Serbia	9.657
Croatia	7	2	port crane	Vukovar	3		Vienna, Krems, Komarno, Budapest, Dunajvaros, Paks, Smederevo, Russe, Orsova, Drobeta Turn, Giurgiu, Constanta	9		Austria, Slovakia, Hungary, Serbia, Bulgaria, Romania	70.001
Croatia	7	1	port crane	Vukovar	3		Russe	9		Bulgaria	12.741
	7	9		Reni, Constanta, Russe, Hanau, Amsterdam	3	port crane	Vukovar	1		Croatia	34.532

	Croatia	9	1	port crane	Vukovar	3		Russe	9		Bulgaria	1.433
	Bosnia and Herzegovina	10	1	pump for liquid	Vukovar	3		Izmail	9		Ukraine	8.208
	Romania	10	9		Midia	3	pump for liquid	Vukovar	1		Bosnia and Herzegovina	1.018

	Croatia	0	1	port crane	Vukovar	2		Split	9			24.017
	Croatia	0	1	pneumatic vacuum conveyor	Vukovar	3		Constanta	9			6.115
	Croatia	0	1	pneumatic vacuum conveyor	Vukovar	3		Straubing	9		Germany	54.110
	Croatia	1	1	port crane	Vukovar	3		Ruse	9		Bulgaria	7.357
		2	9		Constanta, Izmail	3	port crane	Vukovar	1		Bosnia and Herzegovina	51.042
	Bosnia and Herzegovina	2	2	port crane	Vukovar	3		Galati	9		Romania	15.177
	Croatia	4	1	port crane	Vukovar	3		Constanta	4		Turkey	6.890
	Bosnia and Herzegovina	5	2	port crane	Vukovar	3		Ruse, Drobeta Turn, Bralialia	9		Romania	11.345
	Romania	5	9	Galati		3	port crane	Vukovar	1 or 2		Croatia	11.600
<b>2018</b>	Croatia	6	1	port crane	Vukovar	3		Giurgiu	9		Romania	24.626

	Croatia	7	2	port crane	Vukovar	3		Vienna, Krems, Budapest, Gonyu, Paks, Vidin, Lom, Ruse, Orsova, Drobeta Turn, Giurgiu, Galati	9		Austria, Hungary, Bulgaria, Romania	108.934
	Croatia	7	1	port crane	Vukovar	3		Russe	9		Bulgaria	13.418
	Netherland, Germany, Austria, Bulgaria, Romania, Ukraine	7	9		Amsterdan, Hanau, Enns, Ruse, Constanta, Reni	3	port crane	Vukovar	1		Croatia	54.961
	Croatia	9	1	port crane	Vukovar	3		Russe	9		Bulgaria	1.059
	Bosnia and Herzegovina	8	2	port crane	Vukovar	3		Izmail	9		Ukraine	2.598
	Bosnia and Herzegovina	10	1	pump for liquid	Vukovar	3		Izmail, Reni	9		Ukraine	5.298
	Romania	10	9		Midia	3	pump for liquid	Vukovar	1		Bosnia and Herzegovina	11.709

<b>2019</b>	Croatia	0	1	port crane	Vukovar	2		Split	9			10.319
	Croatia	0	1	port crane	Vukovar	3		Straubing	9		Germany	17.494

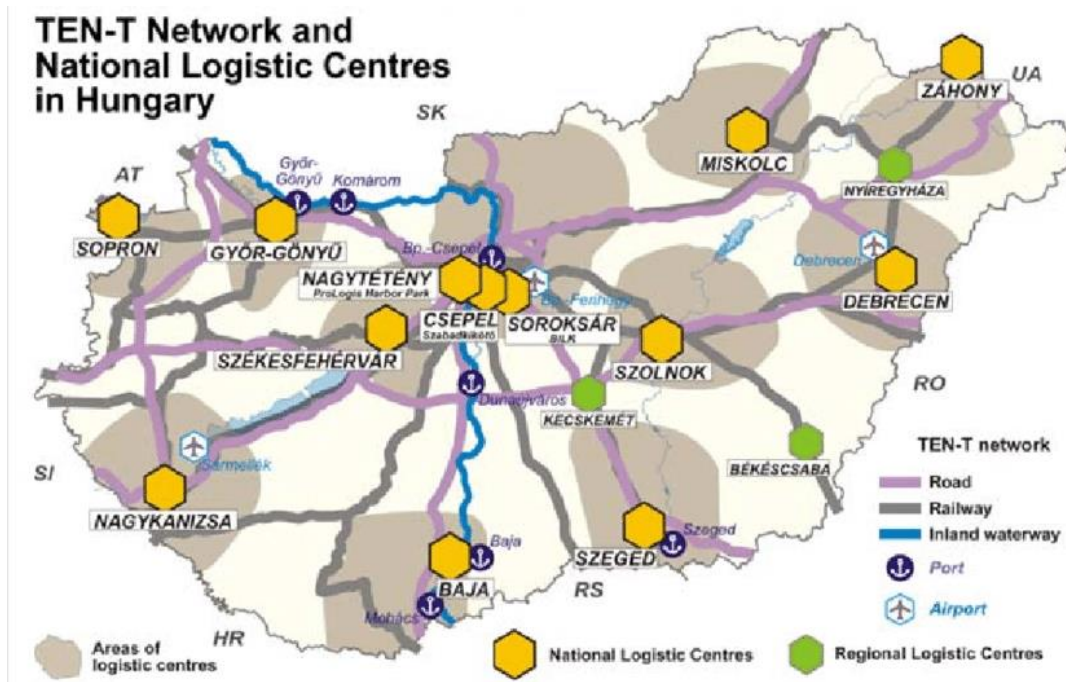
Croatia	0	1	pneumatic vacuum conveyor	Vukovar	3		Constanta	9		5.459
Croatia	0	1	pneumatic vacuum conveyor	Vukovar	3		Straubing	9	Germany	48.740
Croatia	1	1	port crane	Vukovar	3		Russe	9	Bulgaria	10.124
	2	9		Constanta	3	port crane	Vukovar	1	Bosnia and Herzegovina	88.470
Croatia	4	1	port crane	Vukovar	3		Constanta	4	Turkey	22.145
Bosnia and Herzegovina	5	2	port crane	Vukovar	3		Drobeta Turn, Bralia, Galati, Oltenia	9	Romania	45.646
Romania	5	9		Galati	3	port crane	Vukovar	1 or 2	Croatia	15.090
Croatia	6	1	port crane	Vukovar	3		Giurgiu	9	Romania	18.875
Croatia	7	2	port crane	Vukovar	3		Nurnberg, Krems, Budapest, Paks, Baja, Bogojovo, Bačka palanka, Drobeta Turn, Orsova, Constanta	9	Germany, Austria, Hungary, Serbia, Roamnia	34.749
Croatia	7	1	port crane	Vukovar	3		Russe	9	Bulgaria	26.543

	Germany, Austria, Romania, Ukraine	7	9		Hannau, Enns, Constanta, Reni	3	port crane	Vukovar	1		Croatia	54.470
	Bosnia and Herzegovina	8	2	port crane	Vukovar	3		Izmail	9		Ukraine	7.119



## Hungary

Figure 33: Hungarian TENT-T core network



The figure above shows the Hungarian TENT-T core network, the Logisztika Centres, and their catchment areas. These elements form the basis of international shipments.

Road freight transport is the most significant mode of transport in 2019; the performance of road freight transport in 2019 was 23,382 million freight tonne-kilometres; this, although a 17% decrease compared to 2015 performance - and showing the largest decline among all modes of transport - is still predominant in road transport in 2019: 57% of all freight tonne-kilometres travelled.

The performance of rail transport in 2019 accounted for 21% of total performance, water transport for 5.1% and pipeline for 15%. The performance of water transport in 2019 is 116% of



the performance of 2015, that of rail transport is 107%, and that of pipeline transport is 180%.

## **Romania**

### **Imports from DR Countries**

In the following the imports from DR countries by land modes, NTM 2020, are presented.

Table 65: Imports 0 Agricultural products 2020 NTM

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	2456	3087	862	0	608	1769	8781
	Rail	243	345	45	0	169	272	1073
	IWT	0	78	20	0	31	32	160
	<b>All modes</b>	<b>2698</b>	<b>3509</b>	<b>927</b>	<b>0</b>	<b>807</b>	<b>2073</b>	<b>10015</b>
2 South East	Road	48674	2810	153	192	687	2172	54688
	Rail	7424	922	36	55	313	2120	10871
	IWT	18192	524	466	0	1042	521	20744
	<b>All modes</b>	<b>74290</b>	<b>4256</b>	<b>656</b>	<b>247</b>	<b>2041</b>	<b>4813</b>	<b>86303</b>
3 South Muntenia	Road	8723	12527	435	8	305	974	22972
	Rail	1522	2125	28	6	199	673	4553
	IWT	0	355	65	0	99	70	589
	<b>All modes</b>	<b>10245</b>	<b>15007</b>	<b>529</b>	<b>14</b>	<b>603</b>	<b>1717</b>	<b>28115</b>
4 South West Oltenia	Road	6045	8818	348	46	613	1224	17095
	Rail	1576	818	37	23	60	318	2832
	IWT	5155	319	400	0	517	193	6584
	<b>All modes</b>	<b>12776</b>	<b>9955</b>	<b>785</b>	<b>69</b>	<b>1190</b>	<b>1735</b>	<b>26510</b>
5 West	Road	6845	77508	104	0	1016	6993	92466
	Rail	964	6743	6	0	631	4698	13042
	IWT	319	400	0	517	193	14	1442
	<b>All modes</b>	<b>8128</b>	<b>84652</b>	<b>110</b>	<b>517</b>	<b>1839</b>	<b>11704</b>	<b>106951</b>
6 North West	Road	2540	91784	1052	299	3964	4420	104059
	Rail	312	6732	75	35	669	2140	9963
	IWT	49	1	0	26	55	6	136
	<b>All modes</b>	<b>2900</b>	<b>98517</b>	<b>1128</b>	<b>360</b>	<b>4688</b>	<b>6566</b>	<b>114159</b>
7 Center	Road	4268	31389	1687	426	2203	9554	49527
	Rail	450	2877	131	34	406	2794	6692
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>4718</b>	<b>34267</b>	<b>1818</b>	<b>461</b>	<b>2609</b>	<b>12348</b>	<b>56220</b>
8 Bucharest Ilfov	Road	33777	14183	690	0	1236	6086	55972
	Rail	3420	653	34	0	57	380	4545
	IWT	149	8	0	41	38	0	236
	<b>All modes</b>	<b>37346</b>	<b>14844</b>	<b>724</b>	<b>41</b>	<b>1332</b>	<b>6466</b>	<b>60753</b>
All regions	Road	120174	319615	5435	972	11648	40185	498028
	Rail	16874	27958	399	154	3135	18094	66613
	IWT	24182	2085	951	1101	2167	848	31334
	<b>All modes</b>	<b>161230</b>	<b>349658</b>	<b>6786</b>	<b>2226</b>	<b>16949</b>	<b>59126</b>	<b>595975</b>

Table 66: Imports 1 Foodstuffs 2020 NTM

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	5548	8749	333	0	597	3256	18483
	Rail	568	806	26	0	174	988	2562
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>6115</b>	<b>9556</b>	<b>359</b>	<b>0</b>	<b>771</b>	<b>4244</b>	<b>21045</b>
2 South East	Road	16392	3804	102	145	552	2748	23743
	Rail	2033	702	5	24	89	801	3653
	IWT	2	0	0	0	0	0	2
	<b>All modes</b>	<b>18426</b>	<b>4507</b>	<b>106</b>	<b>169</b>	<b>641</b>	<b>3549</b>	<b>27398</b>
3 South Muntenia	Road	24428	10695	1220	1	610	3609	40564
	Rail	6689	2057	59	0	324	3022	12151
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>31118</b>	<b>12752</b>	<b>1279</b>	<b>1</b>	<b>935</b>	<b>6631</b>	<b>52716</b>
4 South West Oltenia	Road	6622	9923	270	0	1011	3912	21739
	Rail	1686	925	15	0	472	1014	4112
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>8309</b>	<b>10847</b>	<b>285</b>	<b>0</b>	<b>1483</b>	<b>4926</b>	<b>25851</b>
5 West	Road	12593	83138	778	2179	2052	7516	108255
	Rail	1776	7552	28	0	662	3829	13847
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>14370</b>	<b>90690</b>	<b>805</b>	<b>2179</b>	<b>2713</b>	<b>11344</b>	<b>122102</b>
6 North West	Road	6129	160603	3680	263	5127	4799	180602
	Rail	744	10982	167	31	1184	2128	15235
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>6872</b>	<b>171586</b>	<b>3847</b>	<b>294</b>	<b>6311</b>	<b>6927</b>	<b>195837</b>
7 Center	Road	6060	39249	1620	377	5620	18045	70970
	Rail	618	3695	118	30	620	2046	7128
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>6678</b>	<b>42944</b>	<b>1738</b>	<b>407</b>	<b>6240</b>	<b>20090</b>	<b>78097</b>
8 Bucharest Ilfov	Road	53000	28331	259	548	4007	11754	97899
	Rail	5304	1313	13	57	192	754	7633
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>58304</b>	<b>29644</b>	<b>272</b>	<b>605</b>	<b>4199</b>	<b>12508</b>	<b>105532</b>
All regions	Road	143365	427631	9040	5691	21628	63156	670510
	Rail	21195	35586	458	142	4378	18410	80168
	IWT	2	0	0	0	0	0	2
	<b>All modes</b>	<b>164561</b>	<b>463216</b>	<b>9498</b>	<b>5833</b>	<b>26007</b>	<b>81565</b>	<b>750680</b>

Table 67: Imports 2 Solid Mineral Fuels 2020 NTM

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	377	452	0	0	0	0	829
	Rail	240	9	0	0	0	0	249
	IWT	0	1	0	0	0	0	1
	<b>All modes</b>	<b>616</b>	<b>463</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1079</b>
2 South East	Road	34231	1475	2135	1272	5319	1675	46107
	Rail	33164	1420	1370	1279	2757	1477	41467
	IWT	46650	4855	18994	0	31062	8850	110412
	<b>All modes</b>	<b>114046</b>	<b>7750</b>	<b>22499</b>	<b>2552</b>	<b>39138</b>	<b>12002</b>	<b>197987</b>
3 South Muntenia	Road	13351	506	0	0	25	98	13979
	Rail	15414	155	0	0	25	136	15730
	IWT	0	13	0	0	1	9	23
	<b>All modes</b>	<b>28766</b>	<b>674</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>242</b>	<b>29733</b>
4 South West Oltenia	Road	526	786	1	1	497	1413	3224
	Rail	94	94	0	0	156	796	1141
	IWT	269	34	19	0	44	38	404
	<b>All modes</b>	<b>889</b>	<b>914</b>	<b>21</b>	<b>1</b>	<b>697</b>	<b>2247</b>	<b>4768</b>
5 West	Road	0	8113	0	0	1380	9374	18866
	Rail	0	21758	0	0	13773	65798	101330
	IWT	34	19	0	44	38	0	135
	<b>All modes</b>	<b>34</b>	<b>29890</b>	<b>0</b>	<b>44</b>	<b>15191</b>	<b>75173</b>	<b>120332</b>
6 North West	Road	226	27604	888	0	857	5200	34774
	Rail	23	2273	38	0	8816	41180	52331
	IWT	15	0	0	2	17	0	34
	<b>All modes</b>	<b>264</b>	<b>29877</b>	<b>926</b>	<b>2</b>	<b>9690</b>	<b>46380</b>	<b>87139</b>
7 Center	Road	0	859	0	0	15	1119	1992
	Rail	0	77	0	0	12	195	284
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>936</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>1314</b>	<b>2276</b>
8 Bucharest Ilfov	Road	989	918	0	0	0	0	1907
	Rail	105	48	0	0	0	0	153
	IWT	3	0	0	0	4	0	7
	<b>All modes</b>	<b>1097</b>	<b>965</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2067</b>
All regions	Road	49700	48825	3024	1273	9471	28253	140546
	Rail	49040	47594	1408	1280	39312	175380	314015
	IWT	47005	4942	19014	90	31204	8897	111152
	<b>All modes</b>	<b>145746</b>	<b>101360</b>	<b>23446</b>	<b>2642</b>	<b>79987</b>	<b>212530</b>	<b>565712</b>

**Table 68: Imports 3 Crude Oil 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2 South East</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>3 South Muntenia</b>	Road	2574	18	27	7	58	16	2699
	Rail	3668	2	4	5	26	12	3716
	IWT	0	2	44	0	52	12	110
	<b>All modes</b>	<b>6242</b>	<b>22</b>	<b>74</b>	<b>12</b>	<b>136</b>	<b>40</b>	<b>6525</b>
<b>4 South West Oltenia</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>5 West</b>	Road	0	1229	0	0	322	1660	3211
	Rail	0	4963	0	0	3352	14979	23294
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>6193</b>	<b>0</b>	<b>0</b>	<b>3675</b>	<b>16639</b>	<b>26506</b>
<b>6 North West</b>	Road	0	4697	0	0	214	1229	6140
	Rail	0	461	0	0	2221	9796	12478
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>5158</b>	<b>0</b>	<b>0</b>	<b>2435</b>	<b>11025</b>	<b>18618</b>
<b>7 Center</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>8 Bucharest Ilfov</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>All regions</b>	Road	2574	7173	27	7	916	4565	15262
	Rail	3668	10390	4	5	8951	39765	62782
	IWT	0	2	44	0	52	12	110
	<b>All modes</b>	<b>6242</b>	<b>17565</b>	<b>74</b>	<b>12</b>	<b>9920</b>	<b>44342</b>	<b>78154</b>



**Table 69: Imports 4 Ores, Metal Waste 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	3407	3211	395	0	669	1298	8980
	Rail	5022	369	29	0	185	200	5805
	IWT	0	87	8	0	34	30	159
	<b>All modes</b>	<b>8429</b>	<b>3667</b>	<b>432</b>	<b>0</b>	<b>888</b>	<b>1528</b>	<b>14944</b>
<b>2 South East</b>	Road	115012	14614	8304	4335	18470	18427	179162
	Rail	117486	19581	4310	4658	16029	44277	206340
	IWT	180895	18674	63706	0	109413	34714	407401
	<b>All modes</b>	<b>413392</b>	<b>52869</b>	<b>76320</b>	<b>8993</b>	<b>143911</b>	<b>97418</b>	<b>792903</b>
<b>3 South Muntenia</b>	Road	10983	6227	467	0	265	1212	19156
	Rail	6639	1198	21	0	188	731	8777
	IWT	0	202	12	0	45	67	325
	<b>All modes</b>	<b>17623</b>	<b>7627</b>	<b>501</b>	<b>0</b>	<b>498</b>	<b>2009</b>	<b>28258</b>
<b>4 South West Oltenia</b>	Road	6420	5561	327	0	301	1478	14087
	Rail	1075	442	14	0	36	301	1868
	IWT	29	176	10	0	102	49	365
	<b>All modes</b>	<b>7523</b>	<b>6179</b>	<b>351</b>	<b>0</b>	<b>439</b>	<b>1828</b>	<b>16320</b>
<b>5 West</b>	Road	7990	59264	120	0	1220	6345	74939
	Rail	3663	5918	7	0	1158	5768	16513
	IWT	176	10	0	102	49	15	352
	<b>All modes</b>	<b>11828</b>	<b>65192</b>	<b>127</b>	<b>102</b>	<b>2427</b>	<b>12128</b>	<b>91804</b>
<b>6 North West</b>	Road	2430	78079	1205	324	1413	4487	87938
	Rail	218	5440	82	24	858	3909	10530
	IWT	46	1	0	29	35	5	116
	<b>All modes</b>	<b>2694</b>	<b>83520</b>	<b>1287</b>	<b>377</b>	<b>2305</b>	<b>8401</b>	<b>98584</b>
<b>7 Center</b>	Road	5083	26904	1020	465	1913	8094	43479
	Rail	368	2373	75	20	236	653	3724
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>5450</b>	<b>29278</b>	<b>1095</b>	<b>485</b>	<b>2149</b>	<b>8746</b>	<b>47203</b>
<b>8 Bucharest Ilfov</b>	Road	34006	12350	308	0	799	4142	51606
	Rail	2103	632	14	0	37	156	2943
	IWT	117	3	0	20	28	0	167
	<b>All modes</b>	<b>36226</b>	<b>12986</b>	<b>322</b>	<b>20</b>	<b>864</b>	<b>4299</b>	<b>54716</b>
<b>All regions</b>	Road	193321	265474	12267	5124	26270	51829	554285
	Rail	140237	41872	4559	4702	19884	61761	273015
	IWT	181437	19162	63736	253	109754	34896	409237
	<b>All modes</b>	<b>514994</b>	<b>326508</b>	<b>80562</b>	<b>10079</b>	<b>155908</b>	<b>148486</b>	<b>1236538</b>



**Table 70: Imports 5 Metal Products 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	2677	6614	409	0	2475	5637	17813
	Rail	172	4114	30	0	1592	10261	16169
	IWT	0	347	8	0	173	420	948
	<b>All modes</b>	<b>2849</b>	<b>11075</b>	<b>448</b>	<b>0</b>	<b>4240</b>	<b>16319</b>	<b>34930</b>
<b>2 South East</b>	Road	8393	3534	125	198	695	3619	16564
	Rail	529	2229	6	26	696	5303	8787
	IWT	251	459	6	0	856	753	2324
	<b>All modes</b>	<b>9172</b>	<b>6221</b>	<b>137</b>	<b>224</b>	<b>2246</b>	<b>9675</b>	<b>27675</b>
<b>3 South Muntenia</b>	Road	12537	10561	506	8	1562	7654	32828
	Rail	3670	5307	25	3	2459	11050	22514
	IWT	0	574	52	0	511	860	1997
	<b>All modes</b>	<b>16207</b>	<b>16441</b>	<b>584</b>	<b>11</b>	<b>4532</b>	<b>19564</b>	<b>57338</b>
<b>4 South West Oltenia</b>	Road	7194	6148	335	1	467	2122	16266
	Rail	1388	512	14	0	172	939	3026
	IWT	260	192	27	0	144	75	697
	<b>All modes</b>	<b>8842</b>	<b>6852</b>	<b>376</b>	<b>1</b>	<b>782</b>	<b>3136</b>	<b>19990</b>
<b>5 West</b>	Road	8290	62391	124	0	1732	8681	81218
	Rail	1084	8927	7	0	3391	15327	28737
	IWT	16	47	1	0	47	62	173
	<b>All modes</b>	<b>9391</b>	<b>71366</b>	<b>132</b>	<b>0</b>	<b>5170</b>	<b>24070</b>	<b>110128</b>
<b>6 North West</b>	Road	2532	83649	1250	361	2142	7161	97095
	Rail	225	5968	86	27	2260	10189	18755
	IWT	6	0	0	0	0	0	6
	<b>All modes</b>	<b>2763</b>	<b>89617</b>	<b>1336</b>	<b>388</b>	<b>4402</b>	<b>17350</b>	<b>115856</b>
<b>7 Center</b>	Road	5256	27818	1054	515	2238	9080	45962
	Rail	375	2446	78	0	281	768	3948
	IWT	0	120	3	0	24	33	180
	<b>All modes</b>	<b>5630</b>	<b>30385</b>	<b>1135</b>	<b>515</b>	<b>2544</b>	<b>9881</b>	<b>50090</b>
<b>8 Bucharest Ilfov</b>	Road	35798	13063	315	0	1218	5675	56069
	Rail	4579	2217	14	0	770	3432	11013
	IWT	0	519	11	0	76	271	877
	<b>All modes</b>	<b>40377</b>	<b>15799</b>	<b>341</b>	<b>0</b>	<b>2064</b>	<b>9378</b>	<b>67959</b>
<b>All regions</b>	Road	90968	276169	4243	1083	14261	58310	445033
	Rail	13106	40649	267	56	15012	72596	141687
	IWT	549	2304	110	0	1876	2536	7375
	<b>All modes</b>	<b>104624</b>	<b>319121</b>	<b>4620</b>	<b>1139</b>	<b>31149</b>	<b>133442</b>	<b>594095</b>

**Table 71: Imports 6 Building Minerals & Materials 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	3653	5552	2593	0	1950	5697	19445
	Rail	377	722	257	0	400	1379	3135
	IWT	0	166	73	0	85	148	473
	<b>All modes</b>	<b>4030</b>	<b>6439</b>	<b>2923</b>	<b>0</b>	<b>2435</b>	<b>7225</b>	<b>23053</b>
2 South East	Road	32465	2710	766	506	1559	1629	39635
	Rail	12438	1332	343	404	1136	1701	17355
	IWT	17807	1496	4964	0	8255	2481	35003
	<b>All modes</b>	<b>62709</b>	<b>5539</b>	<b>6073</b>	<b>909</b>	<b>10951</b>	<b>5812</b>	<b>91993</b>
3 South Muntenia	Road	46981	22438	682	78	6214	19216	95610
	Rail	11353	7224	76	55	5892	23978	48577
	IWT	462	796	607	0	1382	1073	4319
	<b>All modes</b>	<b>58796</b>	<b>30458</b>	<b>1364</b>	<b>134</b>	<b>13488</b>	<b>44267</b>	<b>148506</b>
4 South West Oltenia	Road	10508	6673	971	1424	469	2036	22081
	Rail	2293	1336	44	219	375	1931	6198
	IWT	431	297	57	0	185	123	1094
	<b>All modes</b>	<b>13232</b>	<b>8306</b>	<b>1071</b>	<b>1643</b>	<b>1029</b>	<b>4090</b>	<b>29373</b>
5 West	Road	8748	134694	136	0	2289	9135	155003
	Rail	2379	14999	8	0	4060	16029	37475
	IWT	297	57	0	185	123	16	679
	<b>All modes</b>	<b>11424</b>	<b>149750</b>	<b>144</b>	<b>185</b>	<b>6473</b>	<b>25179</b>	<b>193157</b>
6 North West	Road	4674	291230	18158	351	3902	13327	331642
	Rail	636	23268	2123	41	2524	12352	40945
	IWT	71	1	0	70	80	8	230
	<b>All modes</b>	<b>5382</b>	<b>314499</b>	<b>20281</b>	<b>462</b>	<b>6506</b>	<b>25687</b>	<b>372817</b>
7 Center	Road	6938	53031	1074	503	9115	12304	82965
	Rail	704	5705	92	41	2368	4364	13273
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>7642</b>	<b>58736</b>	<b>1165</b>	<b>543</b>	<b>11483</b>	<b>16669</b>	<b>96238</b>
8 Bucharest Ilfov	Road	97519	22588	325	1	1081	6118	127633
	Rail	18868	1767	16	0	315	1595	22562
	IWT	268	3	0	139	61	0	472
	<b>All modes</b>	<b>116655</b>	<b>24358</b>	<b>342</b>	<b>141</b>	<b>1458</b>	<b>7713</b>	<b>150666</b>
All regions	Road	220235	673611	24840	2863	28870	78598	1029017
	Rail	51427	71352	2966	760	21131	79358	226994
	IWT	19633	2873	5702	580	10296	3865	42949
	<b>All modes</b>	<b>291295</b>	<b>747836</b>	<b>33508</b>	<b>4203</b>	<b>60297</b>	<b>161821</b>	<b>1298960</b>

**Table 72: Imports 7 Fertilizers 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	2135	2575	330	0	588	1075	6703
	Rail	217	312	26	0	163	204	922
	IWT	0	70	7	0	30	26	133
	<b>All modes</b>	<b>2351</b>	<b>2957</b>	<b>363</b>	<b>0</b>	<b>781</b>	<b>1305</b>	<b>7758</b>
<b>2 South East</b>	Road	12358	1165	149	177	261	446	14556
	Rail	26749	289	36	53	119	360	27605
	IWT	3838	186	465	0	793	258	5541
	<b>All modes</b>	<b>42945</b>	<b>1640</b>	<b>650</b>	<b>230</b>	<b>1174</b>	<b>1064</b>	<b>47701</b>
<b>3 South Muntenia</b>	Road	10105	5504	529	58	522	1111	17830
	Rail	2175	1051	59	41	270	736	4332
	IWT	312	263	460	0	729	249	2013
	<b>All modes</b>	<b>12592</b>	<b>6818</b>	<b>1048</b>	<b>99</b>	<b>1521</b>	<b>2096</b>	<b>24175</b>
<b>4 South West Oltenia</b>	Road	5994	4520	330	29	434	1487	12794
	Rail	1365	464	29	19	94	485	2456
	IWT	11923	368	849	0	1507	462	15109
	<b>All modes</b>	<b>19282</b>	<b>5352</b>	<b>1209</b>	<b>48</b>	<b>2035</b>	<b>2433</b>	<b>30359</b>
<b>5 West</b>	Road	6226	48196	108	0	977	4692	60200
	Rail	890	4628	6	0	564	3000	9088
	IWT	13	38	1	0	26	31	109
	<b>All modes</b>	<b>7129</b>	<b>52862</b>	<b>115</b>	<b>0</b>	<b>1567</b>	<b>7723</b>	<b>69396</b>
<b>6 North West</b>	Road	1994	64857	1024	276	1953	3304	73408
	Rail	262	5088	75	32	670	2014	8141
	IWT	5	0	0	0	0	0	5
	<b>All modes</b>	<b>2260</b>	<b>69945</b>	<b>1099</b>	<b>308</b>	<b>2623</b>	<b>5318</b>	<b>81554</b>
<b>7 Center</b>	Road	4309	27930	855	390	1689	6670	41844
	Rail	503	3272	73	0	352	1369	5570
	IWT	0	105	3	0	19	26	152
	<b>All modes</b>	<b>4812</b>	<b>31308</b>	<b>930</b>	<b>390</b>	<b>2060</b>	<b>8065</b>	<b>47566</b>
<b>8 Bucharest Ilfov</b>	Road	28105	9849	258	1	781	3531	42526
	Rail	2846	453	13	0	37	221	3570
	IWT	0	329	9	0	26	90	454
	<b>All modes</b>	<b>30951</b>	<b>10632</b>	<b>280</b>	<b>1</b>	<b>843</b>	<b>3843</b>	<b>46550</b>
<b>All regions</b>	Road	77452	212793	3692	931	8181	27010	330059
	Rail	35896	20185	323	145	2834	11389	70773
	IWT	16105	1398	1794	0	3156	1171	23624
	<b>All modes</b>	<b>129453</b>	<b>234375</b>	<b>5810</b>	<b>1076</b>	<b>14171</b>	<b>39570</b>	<b>424456</b>

**Table 73: Imports 8 Chemicals 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	8077	9951	411	0	792	4418	23648
	Rail	2076	1950	30	0	371	1148	5575
	IWT	0	294	8	0	44	103	448
	<b>All modes</b>	<b>10153</b>	<b>12195</b>	<b>449</b>	<b>0</b>	<b>1206</b>	<b>5668</b>	<b>29671</b>
<b>2 South East</b>	Road	16850	3359	125	197	530	925	21986
	Rail	1339	635	6	25	183	452	2640
	IWT	438	182	6	0	76	95	796
	<b>All modes</b>	<b>18627</b>	<b>4176</b>	<b>137</b>	<b>222</b>	<b>789</b>	<b>1471</b>	<b>25423</b>
<b>3 South Muntenia</b>	Road	36806	18939	499	4	2088	7001	65338
	Rail	16677	3717	24	2	1341	5678	27438
	IWT	154	529	36	0	175	277	1171
	<b>All modes</b>	<b>53636</b>	<b>23185</b>	<b>559</b>	<b>6</b>	<b>3604</b>	<b>12956</b>	<b>93947</b>
<b>4 South West Oltenia</b>	Road	26203	16360	845	0	690	3435	47532
	Rail	6386	1609	54	0	441	2125	10615
	IWT	31	405	36	0	127	99	698
	<b>All modes</b>	<b>32619</b>	<b>18374</b>	<b>935</b>	<b>0</b>	<b>1258</b>	<b>5659</b>	<b>58845</b>
<b>5 West</b>	Road	14946	111949	133	0	1505	11257	139791
	Rail	1421	10695	8	0	1751	8557	22432
	IWT	28	56	1	0	97	117	300
	<b>All modes</b>	<b>16396</b>	<b>122699</b>	<b>142</b>	<b>0</b>	<b>3353</b>	<b>19931</b>	<b>162522</b>
<b>6 North West</b>	Road	3410	147839	1261	361	2641	12062	167574
	Rail	806	10616	87	27	592	3122	15249
	IWT	9	0	0	0	0	0	9
	<b>All modes</b>	<b>4225</b>	<b>158455</b>	<b>1348</b>	<b>388</b>	<b>3233</b>	<b>15184</b>	<b>182832</b>
<b>7 Center</b>	Road	7207	70615	4501	517	3097	11174	97112
	Rail	1676	6534	366	0	340	965	9881
	IWT	0	189	14	0	31	35	268
	<b>All modes</b>	<b>8883</b>	<b>77338</b>	<b>4881</b>	<b>517</b>	<b>3468</b>	<b>12174</b>	<b>107261</b>
<b>8 Bucharest Ilfov</b>	Road	61391	25867	801	1	2362	7646	98069
	Rail	4386	1557	37	0	283	1067	7330
	IWT	0	886	27	0	87	231	1232
	<b>All modes</b>	<b>65777</b>	<b>28311</b>	<b>865</b>	<b>2</b>	<b>2732</b>	<b>8945</b>	<b>106631</b>
<b>All regions</b>	Road	189836	516828	8709	1081	15210	69177	800840
	Rail	36189	48007	619	54	7052	31670	123592
	IWT	688	2598	129	0	734	1073	5222
	<b>All modes</b>	<b>226713</b>	<b>567432</b>	<b>9457</b>	<b>1135</b>	<b>22996</b>	<b>101920</b>	<b>929654</b>

**Table 74: Imports 9 Machinery & Heavy Manufacturing 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	4732	10707	165	0	899	1463	17965
	Rail	476	1428	18	0	118	480	2520
	IWT	0	352	8	0	37	42	439
	<b>All modes</b>	<b>5207</b>	<b>12486</b>	<b>191</b>	<b>0</b>	<b>1054</b>	<b>1985</b>	<b>20924</b>
2 South East	Road	25902	8332	284	0	28	1929	36475
	Rail	3016	1834	23	0	57	1215	6145
	IWT	427	618	21	0	93	176	1335
	<b>All modes</b>	<b>29345</b>	<b>10784</b>	<b>329</b>	<b>0</b>	<b>177</b>	<b>3320</b>	<b>43955</b>
3 South Muntenia	Road	32003	29825	1831	0	1640	7690	72989
	Rail	4109	7307	116	0	945	4520	16997
	IWT	7	845	52	0	354	310	1569
	<b>All modes</b>	<b>36120</b>	<b>37977</b>	<b>1999</b>	<b>0</b>	<b>2939</b>	<b>12520</b>	<b>91555</b>
4 South West Oltenia	Road	12882	13734	383	0	561	1435	28995
	Rail	2379	1439	33	0	177	133	4161
	IWT	0	420	19	0	11	30	480
	<b>All modes</b>	<b>15262</b>	<b>15593</b>	<b>436</b>	<b>0</b>	<b>749</b>	<b>1597</b>	<b>33636</b>
5 West	Road	9958	54195	0	0	305	6322	70779
	Rail	1439	8616	0	0	2780	12858	25692
	IWT	15	37	0	0	1	42	95
	<b>All modes</b>	<b>11412</b>	<b>62847</b>	<b>0</b>	<b>0</b>	<b>3086</b>	<b>19222</b>	<b>96567</b>
6 North West	Road	3893	97254	7372	0	2226	11090	121834
	Rail	520	8617	795	0	820	4872	15624
	IWT	11	0	0	0	0	0	11
	<b>All modes</b>	<b>4424</b>	<b>105871</b>	<b>8167</b>	<b>0</b>	<b>3045</b>	<b>15961</b>	<b>137469</b>
7 Center	Road	4484	44676	1036	0	4453	9464	64114
	Rail	503	4153	115	0	515	1470	6756
	IWT	0	191	0	0	40	16	247
	<b>All modes</b>	<b>4987</b>	<b>49020</b>	<b>1152</b>	<b>0</b>	<b>5008</b>	<b>10950</b>	<b>71116</b>
8 Bucharest Ilfov	Road	106648	20725	505	1159	4764	12718	146519
	Rail	10855	956	25	121	224	806	12986
	IWT	0	692	17	0	157	319	1185
	<b>All modes</b>	<b>117503</b>	<b>22374</b>	<b>547</b>	<b>1280</b>	<b>5144</b>	<b>13843</b>	<b>160690</b>
All regions	Road	210458	333643	11577	1160	15180	58433	630451
	Rail	24737	42965	1125	121	8415	39210	116573
	IWT	477	3192	118	0	694	977	5457
	<b>All modes</b>	<b>235672</b>	<b>379800</b>	<b>12820</b>	<b>1280</b>	<b>24289</b>	<b>98620</b>	<b>752481</b>

**Table 75: Imports 10 Petroleum Products 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	1584	2269	0	0	30	837	4719
	Rail	174	268	0	0	92	322	856
	IWT	0	65	0	0	4	24	93
	<b>All modes</b>	<b>1758</b>	<b>2601</b>	<b>0</b>	<b>0</b>	<b>125</b>	<b>1183</b>	<b>5668</b>
<b>2 South East</b>	Road	4142	478	0	0	0	110	4730
	Rail	485	789	0	0	2	334	1609
	IWT	190	150	0	0	0	48	388
	<b>All modes</b>	<b>4817</b>	<b>1417</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>491</b>	<b>6726</b>
<b>3 South Muntenia</b>	Road	14573	3141	525	0	34	837	19109
	Rail	16816	823	48	0	123	1292	19102
	IWT	0	154	15	0	7	43	219
	<b>All modes</b>	<b>31389</b>	<b>4118</b>	<b>588</b>	<b>0</b>	<b>163</b>	<b>2171</b>	<b>38430</b>
<b>4 South West Oltenia</b>	Road	5227	3556	0	0	262	1227	10272
	Rail	2225	818	0	0	242	1763	5049
	IWT	0	158	0	0	19	59	236
	<b>All modes</b>	<b>7453</b>	<b>4531</b>	<b>0</b>	<b>0</b>	<b>523</b>	<b>3049</b>	<b>15557</b>
<b>5 West</b>	Road	4110	29866	0	0	5190	25963	65129
	Rail	588	37945	0	0	27922	125143	191598
	IWT	5	26	0	0	672	545	1247
	<b>All modes</b>	<b>4703</b>	<b>67836</b>	<b>0</b>	<b>0</b>	<b>33783</b>	<b>151651</b>	<b>257975</b>
<b>6 North West</b>	Road	1538	65241	0	0	1019	5718	73516
	Rail	217	5578	0	0	10160	44465	60420
	IWT	3	0	0	0	0	0	3
	<b>All modes</b>	<b>1758</b>	<b>70819</b>	<b>0</b>	<b>0</b>	<b>11179</b>	<b>50183</b>	<b>133939</b>
<b>7 Center</b>	Road	1854	11223	0	0	766	4050	17893
	Rail	243	1698	0	0	730	3586	6256
	IWT	0	28	0	0	26	33	87
	<b>All modes</b>	<b>2097</b>	<b>12949</b>	<b>0</b>	<b>0</b>	<b>1522</b>	<b>7668</b>	<b>24236</b>
<b>8 Bucharest Ilfov</b>	Road	5772	2935	0	203	0	0	8911
	Rail	663	135	0	21	0	0	820
	IWT	0	98	0	0	0	0	98
	<b>All modes</b>	<b>6436</b>	<b>3169</b>	<b>0</b>	<b>224</b>	<b>0</b>	<b>0</b>	<b>9829</b>
<b>All regions</b>	Road	42911	148574	525	203	12490	64704	269408
	Rail	22000	85997	48	21	67193	302048	477308
	IWT	203	705	15	0	1399	1297	3619
	<b>All modes</b>	<b>65114</b>	<b>235277</b>	<b>588</b>	<b>224</b>	<b>81082</b>	<b>368050</b>	<b>750334</b>

**Table 76: Imports 11 Mail & Parcels 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	4	26	0	0	3	30	63
	Rail	0	4	0	0	0	5	9
	IWT	0	1	0	0	0	1	2
	<b>All modes</b>	<b>4</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>35</b>	<b>73</b>
<b>2 South East</b>	Road	63	11	0	0	0	2	76
	Rail	7	4	0	0	0	1	11
	IWT	2	1	0	0	0	0	3
	<b>All modes</b>	<b>71</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>89</b>
<b>3 South Muntenia</b>	Road	36	79	0	0	0	12	128
	Rail	16	15	0	0	0	8	39
	IWT	0	3	0	0	0	0	4
	<b>All modes</b>	<b>52</b>	<b>98</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>170</b>
<b>4 South West Oltenia</b>	Road	72	66	0	0	5	4	148
	Rail	14	5	0	0	0	2	21
	IWT	0	4	0	0	0	0	4
	<b>All modes</b>	<b>86</b>	<b>75</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>173</b>
<b>5 West</b>	Road	12	1254	8	0	3	90	1368
	Rail	2	97	1	0	5	19	124
	IWT	4	0	0	0	0	0	4
	<b>All modes</b>	<b>18</b>	<b>1352</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>109</b>	<b>1496</b>
<b>6 North West</b>	Road	0	1227	6	0	13	16	1262
	Rail	0	73	0	0	2	10	85
	IWT	1	0	0	0	1	0	2
	<b>All modes</b>	<b>1</b>	<b>1301</b>	<b>6</b>	<b>0</b>	<b>15</b>	<b>26</b>	<b>1349</b>
<b>7 Center</b>	Road	14	284	3	0	4	125	429
	Rail	1	26	0	0	0	15	43
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>15</b>	<b>310</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>141</b>	<b>473</b>
<b>8 Bucharest Ilfov</b>	Road	178	138	3	1	370	392	1083
	Rail	18	6	0	0	19	23	66
	IWT	1	0	0	0	0	0	1
	<b>All modes</b>	<b>197</b>	<b>145</b>	<b>3</b>	<b>1</b>	<b>390</b>	<b>415</b>	<b>1150</b>
<b>All regions</b>	Road	391	4341	28	1	401	762	5924
	Rail	60	328	2	0	32	101	522
	IWT	11	9	0	1	2	1	24
	<b>All modes</b>	<b>462</b>	<b>4678</b>	<b>30</b>	<b>2</b>	<b>435</b>	<b>864</b>	<b>6470</b>



**Table 77: Imports 12 Manufactured Goods 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	7508	8530	413	0	915	2004	19370
	Rail	750	1242	32	0	390	2083	4498
	IWT	0	288	8	0	53	86	435
	<b>All modes</b>	<b>8258</b>	<b>10060</b>	<b>454</b>	<b>0</b>	<b>1358</b>	<b>4172</b>	<b>24302</b>
2 South East	Road	57933	7364	127	495	182	1709	67810
	Rail	6871	974	6	80	88	981	9000
	IWT	765	466	6	0	58	142	1437
	<b>All modes</b>	<b>65570</b>	<b>8803</b>	<b>139</b>	<b>575</b>	<b>328</b>	<b>2832</b>	<b>78247</b>
3 South Muntenia	Road	28177	14430	1339	608	1361	4012	49928
	Rail	8047	2643	154	151	1101	4388	16483
	IWT	686	630	843	0	1426	624	4210
	<b>All modes</b>	<b>36910</b>	<b>17704</b>	<b>2336</b>	<b>759</b>	<b>3888</b>	<b>9024</b>	<b>70621</b>
4 South West Oltenia	Road	9948	11722	915	89	1008	1686	25368
	Rail	2782	1062	98	45	93	429	4508
	IWT	10268	486	810	0	1027	378	12969
	<b>All modes</b>	<b>22997</b>	<b>13270</b>	<b>1824</b>	<b>134</b>	<b>2128</b>	<b>2492</b>	<b>42845</b>
5 West	Road	15292	138248	741	44	4053	8955	167333
	Rail	2203	18570	58	0	5622	24165	50618
	IWT	2891	146	205	0	471	150	3863
	<b>All modes</b>	<b>20385</b>	<b>156964</b>	<b>1005</b>	<b>44</b>	<b>10146</b>	<b>33270</b>	<b>221814</b>
6 North West	Road	6027	197141	1297	346	2484	11313	218609
	Rail	741	14677	92	40	4814	23164	43528
	IWT	18	0	0	0	0	0	18
	<b>All modes</b>	<b>6786</b>	<b>211818</b>	<b>1389</b>	<b>386</b>	<b>7298</b>	<b>34477</b>	<b>262154</b>
7 Center	Road	5113	48914	2224	1789	2750	15776	76567
	Rail	546	4532	208	0	807	3995	10088
	IWT	0	216	3	0	44	74	337
	<b>All modes</b>	<b>5659</b>	<b>53662</b>	<b>2436</b>	<b>1789</b>	<b>3602</b>	<b>19845</b>	<b>86993</b>
8 Bucharest Ilfov	Road	121610	29961	323	1	3012	8725	163631
	Rail	12334	1884	16	0	363	1571	16167
	IWT	0	1023	11	0	110	253	1396
	<b>All modes</b>	<b>133943</b>	<b>32867</b>	<b>350</b>	<b>2</b>	<b>3484</b>	<b>10548</b>	<b>181194</b>
All regions	Road	266899	594559	8120	3416	19818	63135	955948
	Rail	36476	64153	723	316	18900	84939	205507
	IWT	17518	3400	2094	0	3659	1857	28528
	<b>All modes</b>	<b>320894</b>	<b>662112</b>	<b>10937</b>	<b>3733</b>	<b>42378</b>	<b>149931</b>	<b>1189984</b>

**Table 78: Imports 13 Domestic & Industrial Waste 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2 South East</b>	Road	1	0	0	0	0	0	1
	Rail	2	0	0	0	0	0	2
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>3 South Muntenia</b>	Road	152	0	0	0	0	0	152
	Rail	247	0	0	0	0	0	247
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>399</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>399</b>
<b>4 South West Oltenia</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>5 West</b>	Road	0	85	0	0	23	114	222
	Rail	0	343	0	0	239	1033	1615
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>428</b>	<b>0</b>	<b>0</b>	<b>262</b>	<b>1147</b>	<b>1837</b>
<b>6 North West</b>	Road	0	323	0	0	15	85	423
	Rail	0	32	0	0	158	674	864
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>355</b>	<b>0</b>	<b>0</b>	<b>173</b>	<b>759</b>	<b>1287</b>
<b>7 Center</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>8 Bucharest Ilfov</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>All regions</b>	Road	153	493	0	0	61	313	1020
	Rail	248	718	0	0	636	2740	4342
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>402</b>	<b>1211</b>	<b>0</b>	<b>0</b>	<b>697</b>	<b>3053</b>	<b>5363</b>

**Table 79: Imports 14 Forestry Products 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	3249	14182	461	0	1736	2687	22315
	Rail	139	1007	13	0	330	211	1700
	IWT	0	203	11	0	62	49	325
	<b>All modes</b>	<b>3389</b>	<b>15392</b>	<b>485</b>	<b>0</b>	<b>2128</b>	<b>2947</b>	<b>24341</b>
2 South East	Road	15403	5554	1	1	3	831	21793
	Rail	760	1760	1	1	2	115	2639
	IWT	336	460	11	0	16	49	872
	<b>All modes</b>	<b>16500</b>	<b>7773</b>	<b>13</b>	<b>2</b>	<b>21</b>	<b>996</b>	<b>25304</b>
3 South Muntenia	Road	9127	12462	587	0	1209	1891	25275
	Rail	1393	2119	16	0	262	1240	5030
	IWT	0	440	14	0	30	39	523
	<b>All modes</b>	<b>10520</b>	<b>15021</b>	<b>618</b>	<b>0</b>	<b>1500</b>	<b>3170</b>	<b>30828</b>
4 South West Oltenia	Road	4396	2943	1760	3	7	134	9243
	Rail	700	130	47	0	1	86	964
	IWT	767	114	93	0	89	28	1091
	<b>All modes</b>	<b>5864</b>	<b>3186</b>	<b>1900</b>	<b>3</b>	<b>97</b>	<b>248</b>	<b>11298</b>
5 West	Road	5148	59748	805	0	24	15945	81670
	Rail	561	4034	34	0	15	751	5396
	IWT	7	60	6	0	1	31	106
	<b>All modes</b>	<b>5716</b>	<b>63842</b>	<b>845</b>	<b>0</b>	<b>40</b>	<b>16727</b>	<b>87171</b>
6 North West	Road	1215	175961	2538	0	7761	4697	192172
	Rail	117	9892	167	0	667	194	11037
	IWT	2	0	0	0	0	0	2
	<b>All modes</b>	<b>1334</b>	<b>185853</b>	<b>2705</b>	<b>0</b>	<b>8428</b>	<b>4891</b>	<b>203210</b>
7 Center	Road	2456	72732	1693	0	7477	14822	99181
	Rail	128	5900	94	0	586	1806	8514
	IWT	0	226	6	0	33	43	308
	<b>All modes</b>	<b>2584</b>	<b>78858</b>	<b>1793</b>	<b>0</b>	<b>8096</b>	<b>16671</b>	<b>108003</b>
8 Bucharest Ilfov	Road	54493	11580	716	0	3733	6411	76933
	Rail	3290	523	33	0	174	243	4262
	IWT	0	387	24	0	122	157	690
	<b>All modes</b>	<b>57782</b>	<b>12489</b>	<b>773</b>	<b>0</b>	<b>4029</b>	<b>6810</b>	<b>81884</b>
All regions	Road	100636	414909	9367	4	21973	63363	610252
	Rail	7649	29398	439	1	2053	5397	44937
	IWT	1121	1950	171	0	353	427	4022
	<b>All modes</b>	<b>109406</b>	<b>446257</b>	<b>9977</b>	<b>5</b>	<b>24380</b>	<b>69188</b>	<b>659211</b>

**Table 80: Imports 15 Livestock 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	3569	2413	0	0	47	833	6862
	Rail	273	179	0	0	3	85	540
	IWT	0	60	0	0	1	7	69
	<b>All modes</b>	<b>3842</b>	<b>2652</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>925</b>	<b>7471</b>
<b>2 South East</b>	Road	968	662	0	0	0	2251	3880
	Rail	68	113	0	0	0	946	1127
	IWT	5	29	0	0	0	116	149
	<b>All modes</b>	<b>1040</b>	<b>804</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3313</b>	<b>5157</b>
<b>3 South Muntenia</b>	Road	6106	5721	392	0	0	1475	13694
	Rail	1494	972	17	0	0	1235	3717
	IWT	4	206	121	0	0	40	372
	<b>All modes</b>	<b>7604</b>	<b>6899</b>	<b>530</b>	<b>0</b>	<b>0</b>	<b>2751</b>	<b>17783</b>
<b>4 South West Oltenia</b>	Road	1497	1809	6	0	0	0	3312
	Rail	297	175	1	0	0	0	473
	IWT	0	77	0	0	0	0	78
	<b>All modes</b>	<b>1794</b>	<b>2061</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3862</b>
<b>5 West</b>	Road	1166	37691	567	0	2207	9679	51311
	Rail	325	2877	24	0	229	1066	4521
	IWT	77	0	0	0	0	0	78
	<b>All modes</b>	<b>1569</b>	<b>40569</b>	<b>591</b>	<b>0</b>	<b>2437</b>	<b>10745</b>	<b>55910</b>
<b>6 North West</b>	Road	3440	47044	1503	0	0	1861	53848
	Rail	447	3325	55	0	0	771	4597
	IWT	6	4	0	95	31	5	141
	<b>All modes</b>	<b>3893</b>	<b>50373</b>	<b>1558</b>	<b>95</b>	<b>31</b>	<b>2636</b>	<b>58587</b>
<b>7 Center</b>	Road	5858	19972	0	0	53	8111	33994
	Rail	505	1524	0	0	2	803	2835
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>6363</b>	<b>21496</b>	<b>0</b>	<b>0</b>	<b>55</b>	<b>8915</b>	<b>36829</b>
<b>8 Bucharest Ilfov</b>	Road	43534	21239	0	0	0	6594	71367
	Rail	4411	938	0	0	0	413	5762
	IWT	50	0	0	0	21	0	71
	<b>All modes</b>	<b>47995</b>	<b>22176</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>7007</b>	<b>77200</b>
<b>All regions</b>	Road	67303	174242	3035	0	4515	40484	289580
	Rail	8145	12980	121	0	464	6384	28094
	IWT	220	377	121	96	53	169	1035
	<b>All modes</b>	<b>75668</b>	<b>187599</b>	<b>3277</b>	<b>96</b>	<b>5032</b>	<b>47037</b>	<b>318709</b>

The above information is useful also in the next stage for identifying the IWT potential for Romanian imports from DR countries. In this respect, of high interest are flows related to regions with a good accessibility to the Danube ports, namely regions Sud Est, Sud Muntenia, Sud Vest Oltenia, Bucuresti Ilfov. These regions have a quite good accessibility to the Danube ports.

### **Exports to DR Countries**

In the following the exports to DR countries by land modes, NTM 2020, are presented.

**Table 81: Exports 0 Agricultural products 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	2413	3518	947	0	798	2199	9875
	Rail	58	629	1	0	300	1202	2190
	IWT	0	30	9	0	5	12	55
	<b>All modes</b>	<b>2471</b>	<b>4177</b>	<b>956</b>	<b>0</b>	<b>1103</b>	<b>3412</b>	<b>12120</b>
2 South East	Road	72400	2322	515	4996	16506	3046	99785
	Rail	29894	972	295	3696	7170	1754	43782
	IWT	59284	4456	3056	0	92359	15699	174854
	<b>All modes</b>	<b>161578</b>	<b>7751</b>	<b>3865</b>	<b>8692</b>	<b>116035</b>	<b>20500</b>	<b>318421</b>
3 South Muntenia	Road	7701	13386	386	10	434	1515	23432
	Rail	131	64	1	8	19	16	239
	IWT	75	73	11	0	212	43	414
	<b>All modes</b>	<b>7908</b>	<b>13524</b>	<b>397</b>	<b>18</b>	<b>665</b>	<b>1574</b>	<b>24085</b>
4 South West Oltenia	Road	5962	9185	320	203	1810	1539	19019
	Rail	1132	209	7	57	105	76	1586
	IWT	8606	376	177	0	4625	816	14600
	<b>All modes</b>	<b>15700</b>	<b>9770</b>	<b>505</b>	<b>260</b>	<b>6540</b>	<b>2431</b>	<b>35205</b>
5 West	Road	6871	80292	102	0	1027	8438	96730
	Rail	0	509	0	0	321	1467	2297
	IWT	376	177	0	4625	816	0	5995
	<b>All modes</b>	<b>7247</b>	<b>80979</b>	<b>102</b>	<b>4625</b>	<b>2164</b>	<b>9905</b>	<b>105021</b>
6 North West	Road	2384	100809	1325	249	4228	5376	114371
	Rail	43	1217	4	8	16	45	1333
	IWT	1	0	0	0	4	1	5
	<b>All modes</b>	<b>2428</b>	<b>102026</b>	<b>1329</b>	<b>257</b>	<b>4247</b>	<b>5422</b>	<b>115710</b>
7 Center	Road	4136	31054	1583	416	1682	8566	47438
	Rail	31	167	6	1	2	24	231
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>4167</b>	<b>31221</b>	<b>1589</b>	<b>417</b>	<b>1684</b>	<b>8590</b>	<b>47669</b>
8 Bucharest Ilfov	Road	32279	13943	635	0	1244	5836	53936
	Rail	132	36	2	0	3	16	189
	IWT	54	3	0	5	13	0	75
	<b>All modes</b>	<b>32465</b>	<b>13982</b>	<b>637</b>	<b>5</b>	<b>1259</b>	<b>5852</b>	<b>54200</b>
All regions	Road	141016	334802	5915	5874	28755	44953	561316
	Rail	31422	4312	316	3771	8257	6066	54144
	IWT	68771	5293	3252	9255	98849	16571	201992
	<b>All modes</b>	<b>241210</b>	<b>344407</b>	<b>9483</b>	<b>18901</b>	<b>135861</b>	<b>67590</b>	<b>817452</b>

**Table 82: Exports 1 Foodstuffs 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	5512	9674	349	0	798	4779	21112
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>5512</b>	<b>9674</b>	<b>349</b>	<b>0</b>	<b>798</b>	<b>4779</b>	<b>21112</b>
2 South East	Road	16263	6480	94	133	1726	7544	32239
	Rail	879	3369	2	15	1525	7048	12839
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>17142</b>	<b>9849</b>	<b>96</b>	<b>147</b>	<b>3251</b>	<b>14591</b>	<b>45077</b>
3 South Muntenia	Road	29178	11658	1239	0	746	5812	48633
	Rail	45	3	0	0	0	7	56
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>29223</b>	<b>11661</b>	<b>1239</b>	<b>0</b>	<b>746</b>	<b>5820</b>	<b>48689</b>
4 South West Oltenia	Road	5922	10015	292	0	1194	3858	21282
	Rail	43	83	1	0	5	14	146
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>5965</b>	<b>10098</b>	<b>293</b>	<b>0</b>	<b>1199</b>	<b>3872</b>	<b>21427</b>
5 West	Road	12201	82703	723	2010	2251	8428	108316
	Rail	12	112	0	0	1	8	133
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>12213</b>	<b>82815</b>	<b>723</b>	<b>2010</b>	<b>2253</b>	<b>8436</b>	<b>108449</b>
6 North West	Road	5834	173657	5137	242	7177	6912	198959
	Rail	10	3137	9	9	84	13	3261
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>5844</b>	<b>176793</b>	<b>5146</b>	<b>251</b>	<b>7261</b>	<b>6925</b>	<b>202221</b>
7 Center	Road	6000	41711	1760	406	6242	19353	75473
	Rail	30	22	0	0	0	0	53
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>6031</b>	<b>41733</b>	<b>1760</b>	<b>406</b>	<b>6242</b>	<b>19354</b>	<b>75526</b>
8 Bucharest Ilfov	Road	50126	27400	250	506	3948	11521	93751
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>50126</b>	<b>27400</b>	<b>250</b>	<b>506</b>	<b>3948</b>	<b>11521</b>	<b>93751</b>
All regions	Road	143237	446000	10567	5306	26333	76636	708080
	Rail	1032	6838	13	23	1618	7098	16621
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>144269</b>	<b>452838</b>	<b>10580</b>	<b>5330</b>	<b>27951</b>	<b>83734</b>	<b>724701</b>



**Table 83: Exports 2 Solid Mineral Fuels 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	359	432	0	0	0	0	791
	Rail	112	8	0	0	0	0	121
	IWT	0	1	0	0	0	0	1
	<b>All modes</b>	<b>471</b>	<b>441</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>912</b>
2 South East	Road	1394	5702	21	245	2319	709	10391
	Rail	1251	19665	15	189	12224	50676	84021
	IWT	2269	367	156	0	4801	812	8405
	<b>All modes</b>	<b>4914</b>	<b>25734</b>	<b>192</b>	<b>434</b>	<b>19344</b>	<b>52198</b>	<b>102816</b>
3 South Muntenia	Road	3504	501	0	0	4	8	4017
	Rail	1494	78	0	0	26	112	1711
	IWT	2	7	0	0	9	3	21
	<b>All modes</b>	<b>5000</b>	<b>585</b>	<b>0</b>	<b>1</b>	<b>39</b>	<b>123</b>	<b>5749</b>
4 South West Oltenia	Road	573	36	1	5	409	329	1353
	Rail	99	5	0	3	32	72	211
	IWT	622	15	11	0	327	55	1029
	<b>All modes</b>	<b>1294</b>	<b>56</b>	<b>11</b>	<b>8</b>	<b>768</b>	<b>457</b>	<b>2594</b>
5 West	Road	0	3196	0	0	62	2364	5623
	Rail	0	622	0	0	360	1579	2561
	IWT	15	11	0	327	55	0	407
	<b>All modes</b>	<b>15</b>	<b>3829</b>	<b>0</b>	<b>327</b>	<b>478</b>	<b>3943</b>	<b>8591</b>
6 North West	Road	220	3760	1048	0	0	0	5028
	Rail	25	5202	69	0	0	0	5296
	IWT	11	0	0	1	3	0	15
	<b>All modes</b>	<b>256</b>	<b>8962</b>	<b>1117</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>10338</b>
7 Center	Road	0	1145	0	0	0	1020	2165
	Rail	0	71	0	0	1	110	182
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>1216</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1130</b>	<b>2347</b>
8 Bucharest Ilfov	Road	971	887	0	0	0	0	1858
	Rail	99	56	0	0	0	0	154
	IWT	1	0	0	0	1	0	3
	<b>All modes</b>	<b>1071</b>	<b>943</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2015</b>
All regions	Road	7021	18855	1069	250	2857	6796	36848
	Rail	3080	26329	84	193	13003	54128	96818
	IWT	2935	411	167	654	5250	871	10287
	<b>All modes</b>	<b>13036</b>	<b>45594</b>	<b>1321</b>	<b>1096</b>	<b>21111</b>	<b>61794</b>	<b>143953</b>

**Table 84: Exports 3 Crude Oil 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2 South East</b>	Road	273	13	4	48	148	26	512
	Rail	262	4	3	43	98	19	430
	IWT	678	43	33	0	987	166	1907
	<b>All modes</b>	<b>1214</b>	<b>60</b>	<b>40</b>	<b>91</b>	<b>1233</b>	<b>211</b>	<b>2849</b>
<b>3 South Muntenia</b>	Road	1	0	0	0	1	0	2
	Rail	1	0	0	0	0	0	1
	IWT	1	0	0	0	2	0	3
	<b>All modes</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>6</b>
<b>4 South West Oltenia</b>	Road	17161	1577	319	2859	11649	1832	35397
	Rail	9340	147	144	2197	3834	828	16489
	IWT	83336	1125	1456	0	43502	7411	136829
	<b>All modes</b>	<b>109837</b>	<b>2848</b>	<b>1919</b>	<b>5055</b>	<b>58984</b>	<b>10071</b>	<b>188715</b>
<b>5 West</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	1125	1456	0	43502	7411	0	53493
	<b>All modes</b>	<b>1125</b>	<b>1456</b>	<b>0</b>	<b>43502</b>	<b>7411</b>	<b>0</b>	<b>53493</b>
<b>6 North West</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7 Center</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>8 Bucharest Ilfov</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>All regions</b>	Road	17435	1590	324	2907	11798	1858	35911
	Rail	9603	151	147	2240	3932	847	16920
	IWT	86264	4080	1489	87004	59312	7577	245726
	<b>All modes</b>	<b>113302</b>	<b>5821</b>	<b>1960</b>	<b>92150</b>	<b>75042</b>	<b>10282</b>	<b>298556</b>

**Table 85: Exports 4 Ores, Metal Waste 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	2782	3820	461	0	1163	1815	10041
	Rail	118	282	31	0	150	124	705
	IWT	0	58	5	0	19	13	96
	<b>All modes</b>	<b>2900</b>	<b>4160</b>	<b>498</b>	<b>0</b>	<b>1332</b>	<b>1952</b>	<b>10842</b>
2 South East	Road	14788	1444	222	1296	3904	1233	22887
	Rail	3586	622	51	659	1573	510	7000
	IWT	15931	867	647	0	19361	3311	40116
	<b>All modes</b>	<b>34305</b>	<b>2933</b>	<b>919</b>	<b>1955</b>	<b>24837</b>	<b>5054</b>	<b>70003</b>
3 South Muntenia	Road	10138	7086	498	2	588	1960	20273
	Rail	385	135	4	0	17	56	598
	IWT	8	104	8	0	31	18	169
	<b>All modes</b>	<b>10531</b>	<b>7326</b>	<b>510</b>	<b>2</b>	<b>636</b>	<b>2034</b>	<b>21039</b>
4 South West Oltenia	Road	8655	5730	430	454	1887	1888	19045
	Rail	849	172	16	82	203	91	1413
	IWT	11133	321	207	0	6240	1063	18964
	<b>All modes</b>	<b>20637</b>	<b>6223</b>	<b>654</b>	<b>536</b>	<b>8331</b>	<b>3042</b>	<b>39422</b>
5 West	Road	8249	61582	133	0	1560	6587	78111
	Rail	372	1783	4	0	65	201	2425
	IWT	321	207	0	6240	1063	26	7857
	<b>All modes</b>	<b>8943</b>	<b>63572</b>	<b>137</b>	<b>6240</b>	<b>2687</b>	<b>6814</b>	<b>88393</b>
6 North West	Road	2541	88041	1737	396	2657	5869	101242
	Rail	89	3345	102	20	336	390	4282
	IWT	33	1	0	33	19	10	96
	<b>All modes</b>	<b>2663</b>	<b>91387</b>	<b>1839</b>	<b>449</b>	<b>3013</b>	<b>6269</b>	<b>105621</b>
7 Center	Road	5466	28159	1124	659	2563	8760	46732
	Rail	301	1147	60	1	78	153	1740
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>5768</b>	<b>29306</b>	<b>1184</b>	<b>660</b>	<b>2641</b>	<b>8913</b>	<b>48472</b>
8 Bucharest Ilfov	Road	35908	12220	321	0	1032	4185	53667
	Rail	611	190	5	0	13	38	856
	IWT	54	2	0	17	15	0	88
	<b>All modes</b>	<b>36573</b>	<b>12413</b>	<b>326</b>	<b>17</b>	<b>1061</b>	<b>4222</b>	<b>54611</b>
All regions	Road	96777	269665	5059	2807	16915	38885	430109
	Rail	6683	9459	278	762	2499	1763	21443
	IWT	27802	1767	866	12530	27812	4468	75244
	<b>All modes</b>	<b>131262</b>	<b>280891</b>	<b>6203</b>	<b>16100</b>	<b>47225</b>	<b>45115</b>	<b>526796</b>

**Table 86: Exports 5 Metal Products 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	2689	4545	434	0	1330	2904	11902
	Rail	110	479	33	0	191	783	1596
	IWT	0	36	3	0	10	14	63
	<b>All modes</b>	<b>2799</b>	<b>5060</b>	<b>469</b>	<b>0</b>	<b>1530</b>	<b>3702</b>	<b>13561</b>
2 South East	Road	8394	1377	117	181	163	709	10942
	Rail	546	1081	5	25	401	1421	3478
	IWT	11	0	0	0	4	1	16
	<b>All modes</b>	<b>8951</b>	<b>2458</b>	<b>122</b>	<b>206</b>	<b>568</b>	<b>2131</b>	<b>14435</b>
3 South Muntenia	Road	12198	7184	475	0	532	2102	22492
	Rail	13870	480	12	0	132	577	15071
	IWT	0	33	4	0	6	7	49
	<b>All modes</b>	<b>26068</b>	<b>7697</b>	<b>491</b>	<b>0</b>	<b>670</b>	<b>2686</b>	<b>37612</b>
4 South West Oltenia	Road	6226	5668	368	0	313	1709	14284
	Rail	861	295	16	0	18	94	1285
	IWT	0	2	0	0	0	0	2
	<b>All modes</b>	<b>7087</b>	<b>5964</b>	<b>384</b>	<b>0</b>	<b>332</b>	<b>1803</b>	<b>15570</b>
5 West	Road	8307	61487	127	0	1390	6810	78120
	Rail	762	2902	6	0	143	571	4384
	IWT	0	6	0	0	0	0	6
	<b>All modes</b>	<b>9068</b>	<b>64395</b>	<b>132</b>	<b>0</b>	<b>1534</b>	<b>7381</b>	<b>82510</b>
6 North West	Road	2410	87353	1624	334	2345	6328	100394
	Rail	180	5874	107	22	982	3467	10632
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>2590</b>	<b>93226</b>	<b>1731</b>	<b>356</b>	<b>3327</b>	<b>9795</b>	<b>111025</b>
7 Center	Road	6018	28001	1061	552	2155	8561	46348
	Rail	462	1655	74	0	131	245	2566
	IWT	0	41	1	0	7	10	59
	<b>All modes</b>	<b>6479</b>	<b>29696</b>	<b>1137</b>	<b>552</b>	<b>2292</b>	<b>8817</b>	<b>48974</b>
8 Bucharest Ilfov	Road	34515	12357	307	0	936	4375	52491
	Rail	1761	524	14	0	38	129	2466
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>36276</b>	<b>12881</b>	<b>321</b>	<b>0</b>	<b>975</b>	<b>4504</b>	<b>54957</b>
All regions	Road	89063	269459	4639	1068	10555	40308	415092
	Rail	19313	16193	272	47	2179	7858	45861
	IWT	11	122	9	0	27	33	202
	<b>All modes</b>	<b>108387</b>	<b>285774</b>	<b>4920</b>	<b>1114</b>	<b>12761</b>	<b>48199</b>	<b>461156</b>

**Table 87: Exports 6 Building Minerals & Materials 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	3770	7592	2561	0	2665	6988	23577
	Rail	2	1027	12	0	638	3973	5653
	IWT	0	102	36	0	46	50	234
	<b>All modes</b>	<b>3772</b>	<b>8721</b>	<b>2609</b>	<b>0</b>	<b>3349</b>	<b>11012</b>	<b>29463</b>
2 South East	Road	94206	4507	1273	13159	38683	7159	158988
	Rail	67735	1115	783	10300	24243	4635	108810
	IWT	135933	12707	8963	0	272531	46064	476196
	<b>All modes</b>	<b>297874</b>	<b>18329</b>	<b>11019</b>	<b>23459</b>	<b>335457</b>	<b>57858</b>	<b>743995</b>
3 South Muntenia	Road	37048	8847	486	23	2755	2401	51561
	Rail	1110	20	0	0	3	7	1140
	IWT	212	143	18	0	374	72	818
	<b>All modes</b>	<b>38370</b>	<b>9010</b>	<b>504</b>	<b>23</b>	<b>3132</b>	<b>2480</b>	<b>53519</b>
4 South West Oltenia	Road	10248	6426	1067	1394	657	1661	21453
	Rail	0	0	0	0	0	0	0
	IWT	2243	276	57	0	1329	237	4141
	<b>All modes</b>	<b>12491</b>	<b>6702</b>	<b>1124</b>	<b>1394</b>	<b>1986</b>	<b>1898</b>	<b>25595</b>
5 West	Road	8686	137064	138	0	2260	6510	154658
	Rail	0	1009	0	0	12	60	1082
	IWT	276	57	0	1329	237	24	1922
	<b>All modes</b>	<b>8962</b>	<b>138130</b>	<b>138</b>	<b>1329</b>	<b>2509</b>	<b>6594</b>	<b>157662</b>
6 North West	Road	4320	302665	17251	327	4837	10373	339772
	Rail	11	825	240	23	17	23	1139
	IWT	40	1	0	32	18	13	104
	<b>All modes</b>	<b>4371</b>	<b>303491</b>	<b>17490</b>	<b>382</b>	<b>4872</b>	<b>10408</b>	<b>341015</b>
7 Center	Road	6879	51913	1089	547	9664	12089	82181
	Rail	33	2261	0	0	1264	5744	9302
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>6912</b>	<b>54174</b>	<b>1089</b>	<b>547</b>	<b>10928</b>	<b>17833</b>	<b>91483</b>
8 Bucharest Ilfov	Road	94253	21573	318	1	910	5072	122127
	Rail	0	0	0	0	0	0	0
	IWT	113	2	0	85	26	0	226
	<b>All modes</b>	<b>94366</b>	<b>21575</b>	<b>318</b>	<b>86</b>	<b>937</b>	<b>5072</b>	<b>122353</b>
All regions	Road	268098	677651	24320	15451	64693	58763	1108976
	Rail	68891	7266	1035	10323	26190	14501	128207
	IWT	139092	13344	9073	2774	274798	46482	485564
	<b>All modes</b>	<b>476081</b>	<b>698261</b>	<b>34429</b>	<b>28548</b>	<b>365680</b>	<b>119747</b>	<b>1722747</b>

**Table 88: Exports 7 Fertilizers 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	2209	3016	345	0	782	1428	7780
	Rail	1631	320	32	0	127	192	2302
	IWT	0	28	3	0	6	7	44
	<b>All modes</b>	<b>3840</b>	<b>3364</b>	<b>379</b>	<b>0</b>	<b>916</b>	<b>1627</b>	<b>10126</b>
2 South East	Road	10030	1064	147	733	2114	783	14871
	Rail	3955	573	42	483	1025	430	6510
	IWT	5074	554	371	0	11205	1936	19140
	<b>All modes</b>	<b>19059</b>	<b>2191</b>	<b>560</b>	<b>1216</b>	<b>14344</b>	<b>3149</b>	<b>40520</b>
3 South Muntenia	Road	7704	6152	383	1	397	1588	16225
	Rail	1238	445	26	1	38	182	1929
	IWT	0	30	4	0	3	3	40
	<b>All modes</b>	<b>8942</b>	<b>6626</b>	<b>413</b>	<b>1</b>	<b>438</b>	<b>1773</b>	<b>18194</b>
4 South West Oltenia	Road	7913	5370	294	10	551	2437	16576
	Rail	4798	538	19	8	291	1593	7248
	IWT	23	28	1	0	80	17	149
	<b>All modes</b>	<b>12735</b>	<b>5937</b>	<b>314</b>	<b>18</b>	<b>922</b>	<b>4047</b>	<b>23973</b>
5 West	Road	6292	48521	108	0	1034	4948	60903
	Rail	915	3562	7	0	114	656	5253
	IWT	0	0	0	0	5	0	5
	<b>All modes</b>	<b>7206</b>	<b>52083</b>	<b>115</b>	<b>0</b>	<b>1153</b>	<b>5604</b>	<b>66161</b>
6 North West	Road	1913	71170	1310	235	3693	4330	82652
	Rail	4659	100	30	537	602	6091	12019
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>6572</b>	<b>71270</b>	<b>1340</b>	<b>773</b>	<b>4295</b>	<b>10422</b>	<b>94671</b>
7 Center	Road	4220	28906	851	405	1823	7461	43665
	Rail	74	37	4103	18485	2828	526	26052
	IWT	0	38	1	0	5	9	53
	<b>All modes</b>	<b>4294</b>	<b>28980</b>	<b>4955</b>	<b>18890</b>	<b>4656</b>	<b>7995</b>	<b>69770</b>
8 Bucharest Ilfov	Road	27727	9820	252	1	743	3426	41969
	Rail	15	0	38	205	0	0	258
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>27742</b>	<b>9820</b>	<b>290</b>	<b>206</b>	<b>743</b>	<b>3426</b>	<b>42227</b>
All regions	Road	74299	222539	3799	1385	12172	31348	345542
	Rail	18201	9137	4302	19719	5139	10326	66824
	IWT	5098	678	380	0	11310	1972	19437
	<b>All modes</b>	<b>97598</b>	<b>232354</b>	<b>8481</b>	<b>21104</b>	<b>28621</b>	<b>43646</b>	<b>431803</b>

**Table 89: Exports 8 Chemicals 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	7794	11472	434	0	1202	5994	26895
	Rail	3642	3117	33	0	856	3503	11152
	IWT	0	124	3	0	9	22	159
	<b>All modes</b>	<b>11436</b>	<b>14713</b>	<b>470</b>	<b>0</b>	<b>2067</b>	<b>9520</b>	<b>38206</b>
<b>2 South East</b>	Road	17015	2102	117	184	178	986	20583
	Rail	1215	2142	5	25	606	308	4301
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>18230</b>	<b>4244</b>	<b>122</b>	<b>210</b>	<b>784</b>	<b>1294</b>	<b>24884</b>
<b>3 South Muntenia</b>	Road	37085	17376	478	0	1538	4296	60773
	Rail	1922	761	5	0	72	437	3197
	IWT	0	126	6	0	17	9	159
	<b>All modes</b>	<b>39007</b>	<b>18264</b>	<b>489</b>	<b>0</b>	<b>1628</b>	<b>4742</b>	<b>64129</b>
<b>4 South West Oltenia</b>	Road	27609	15704	843	0	446	2465	47067
	Rail	14222	1089	47	0	132	707	16199
	IWT	0	61	0	0	0	2	64
	<b>All modes</b>	<b>41831</b>	<b>16855</b>	<b>890</b>	<b>0</b>	<b>579</b>	<b>3174</b>	<b>63329</b>
<b>5 West</b>	Road	15078	113209	135	0	1342	10544	140309
	Rail	1277	5821	7	0	94	513	7712
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>16355</b>	<b>119030</b>	<b>142</b>	<b>0</b>	<b>1436</b>	<b>11057</b>	<b>148021</b>
<b>6 North West</b>	Road	2934	185359	1641	333	10713	41486	242465
	Rail	216	56274	106	22	27009	125643	209270
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>3150</b>	<b>241633</b>	<b>1747</b>	<b>355</b>	<b>37722</b>	<b>167129</b>	<b>451735</b>
<b>7 Center</b>	Road	7510	72184	4787	551	3121	11992	100145
	Rail	622	4716	317	21	140	463	6277
	IWT	0	71	1	0	7	14	93
	<b>All modes</b>	<b>8132</b>	<b>76971</b>	<b>5105</b>	<b>572</b>	<b>3268</b>	<b>12468</b>	<b>106516</b>
<b>8 Bucharest Ilfov</b>	Road	58185	25546	758	1	2182	7103	93775
	Rail	2743	1005	32	0	83	195	4058
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>60928</b>	<b>26551</b>	<b>790</b>	<b>1</b>	<b>2265</b>	<b>7297</b>	<b>97833</b>
<b>All regions</b>	Road	188288	556160	9328	1070	22064	95409	872320
	Rail	27136	80746	560	68	29086	132281	269877
	IWT	0	383	10	0	34	47	474
	<b>All modes</b>	<b>215425</b>	<b>637290</b>	<b>9898</b>	<b>1138</b>	<b>51183</b>	<b>227737</b>	<b>1142672</b>



**Table 90: Exports 9 Machinery & Heavy Manufacturing 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	4606	12189	226	0	793	1804	19617
	Rail	0	0	0	0	0	0	0
	IWT	0	170	5	0	11	10	196
	<b>All modes</b>	<b>4606</b>	<b>12358</b>	<b>231</b>	<b>0</b>	<b>803</b>	<b>1814</b>	<b>19813</b>
2 South East	Road	26571	7818	313	0	0	1319	36021
	Rail	2402	676	24	0	0	142	3244
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>28973</b>	<b>8493</b>	<b>337</b>	<b>0</b>	<b>0</b>	<b>1461</b>	<b>39265</b>
3 South Muntenia	Road	30318	39682	1760	0	4389	18847	94995
	Rail	14	12453	0	0	5415	24678	42559
	IWT	0	591	22	0	119	239	971
	<b>All modes</b>	<b>30332</b>	<b>52726</b>	<b>1782</b>	<b>0</b>	<b>9923</b>	<b>43763</b>	<b>138526</b>
4 South West Oltenia	Road	12355	14480	431	0	746	1431	29442
	Rail	1577	173	34	0	0	86	1869
	IWT	0	13	0	0	0	0	13
	<b>All modes</b>	<b>13932</b>	<b>14665</b>	<b>464</b>	<b>0</b>	<b>746</b>	<b>1517</b>	<b>31324</b>
5 West	Road	9429	55460	0	0	60	4944	69894
	Rail	113	472	0	0	178	799	1561
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>9542</b>	<b>55932</b>	<b>0</b>	<b>0</b>	<b>238</b>	<b>5742</b>	<b>71455</b>
6 North West	Road	3984	117167	8492	0	5277	18756	153676
	Rail	44	486	79	0	0	4	613
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>4028</b>	<b>117653</b>	<b>8571</b>	<b>0</b>	<b>5277</b>	<b>18760</b>	<b>154289</b>
7 Center	Road	3867	45132	958	0	4544	9482	63983
	Rail	0	431	0	0	0	33	464
	IWT	0	68	0	0	13	5	86
	<b>All modes</b>	<b>3867</b>	<b>45631</b>	<b>958</b>	<b>0</b>	<b>4557</b>	<b>9520</b>	<b>64533</b>
8 Bucharest Ilfov	Road	104727	20385	468	1070	4580	11984	143214
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>104727</b>	<b>20385</b>	<b>468</b>	<b>1070</b>	<b>4580</b>	<b>11984</b>	<b>143214</b>
All regions	Road	205285	367773	12648	1070	20450	73510	680736
	Rail	4262	15161	136	0	5771	26540	51871
	IWT	0	843	27	0	143	254	1267
	<b>All modes</b>	<b>209547</b>	<b>383777</b>	<b>12812</b>	<b>1070</b>	<b>26364</b>	<b>100304</b>	<b>733874</b>



Table 91: Exports 10 Petroleum Products 2020 NTM

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	1721	2186	0	0	1	697	4605
	Rail	621	192	0	0	9	102	923
	IWT	0	23	0	0	0	5	27
	<b>All modes</b>	<b>2342</b>	<b>2400</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>804</b>	<b>5556</b>
2 South East	Road	13615	1167	0	0	0	355	15137
	Rail	32757	49	0	0	0	27	32833
	IWT	324	0	0	0	0	0	324
	<b>All modes</b>	<b>46696</b>	<b>1215</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>382</b>	<b>48294</b>
3 South Muntenia	Road	14774	4145	482	0	76	1517	20994
	Rail	19668	533	53	0	272	1349	21876
	IWT	0	16	0	0	3	10	29
	<b>All modes</b>	<b>34442</b>	<b>4695</b>	<b>536</b>	<b>0</b>	<b>352</b>	<b>2875</b>	<b>42899</b>
4 South West Oltenia	Road	1050	2975	0	0	1	674	4700
	Rail	1111	253	0	0	1	64	1429
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>2161</b>	<b>3228</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>738</b>	<b>6130</b>
5 west	Road	3812	7051	0	0	4	16	10882
	Rail	555	493	0	0	32	139	1219
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>4367</b>	<b>7544</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>154</b>	<b>12101</b>
6 North West	Road	2413	48433	0	0	129	523	51498
	Rail	5435	3497	0	0	595	2607	12134
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>7848</b>	<b>51929</b>	<b>0</b>	<b>0</b>	<b>724</b>	<b>3130</b>	<b>63632</b>
7 Center	Road	1947	8333	0	0	0	660	10940
	Rail	391	1044	0	0	0	90	1525
	IWT	0	3	0	0	0	0	3
	<b>All modes</b>	<b>2337</b>	<b>9380</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750</b>	<b>12467</b>
8 Bucharest Ilfov	Road	5897	2945	0	187	0	0	9030
	Rail	670	158	0	20	0	0	847
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>6567</b>	<b>3103</b>	<b>0</b>	<b>207</b>	<b>0</b>	<b>0</b>	<b>9877</b>
All regions	Road	49040	84286	482	187	216	4456	138669
	Rail	61762	6711	53	20	940	4517	74004
	IWT	324	41	0	0	4	14	383
	<b>All modes</b>	<b>111127</b>	<b>91039</b>	<b>536</b>	<b>207</b>	<b>1160</b>	<b>8988</b>	<b>213056</b>

**Table 92: Exports 11 Mail & Parcels 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	4	30	0	0	2	39	76
	Rail	0	1	0	0	0	1	2
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>4</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>40</b>	<b>77</b>
<b>2 SouthEast</b>	Road	62	10	0	913	0	1	987
	Rail	2	2	0	702	0	1	707
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>64</b>	<b>13</b>	<b>0</b>	<b>1615</b>	<b>0</b>	<b>2</b>	<b>1694</b>
<b>3 South Muntenia</b>	Road	58	96	0	0	1	22	176
	Rail	0	10	0	0	4	20	35
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>58</b>	<b>106</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>42</b>	<b>211</b>
<b>4 South West Oltenia</b>	Road	68	65	0	0	6	6	145
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>68</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>145</b>
<b>5 West</b>	Road	12	1260	8	0	15	105	1399
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>12</b>	<b>1260</b>	<b>8</b>	<b>0</b>	<b>15</b>	<b>105</b>	<b>1399</b>
<b>6 North West</b>	Road	0	1345	6	0	18	33	1402
	Rail	0	2	0	0	0	0	2
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>1347</b>	<b>6</b>	<b>0</b>	<b>18</b>	<b>33</b>	<b>1404</b>
<b>7 Center</b>	Road	14	297	2	0	3	126	442
	Rail	0	5	0	0	0	0	5
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>14</b>	<b>301</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>126</b>	<b>447</b>
<b>8 Bucharest Ilfov</b>	Road	182	531	3	1	136	165	1019
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>182</b>	<b>531</b>	<b>3</b>	<b>1</b>	<b>136</b>	<b>165</b>	<b>1020</b>
<b>All regions</b>	Road	411	4893	27	914	198	601	7044
	Rail	2	20	0	702	4	22	751
	IWT	0	0	0	0	0	0	1
	<b>All modes</b>	<b>414</b>	<b>4913</b>	<b>27</b>	<b>1617</b>	<b>203</b>	<b>623</b>	<b>7796</b>

**Table 93: Exports 12 Manufactured Goods 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	7129	9304	433	0	990	2534	20390
	Rail	0	0	0	0	0	0	0
	IWT	0	38	3	0	2	4	48
	<b>All modes</b>	<b>7129</b>	<b>9343</b>	<b>436</b>	<b>0</b>	<b>993</b>	<b>2538</b>	<b>20438</b>
2 South East	Road	57793	6330	159	940	1736	1920	68878
	Rail	6437	927	34	435	760	261	8854
	IWT	3206	486	317	0	9565	1653	15227
	<b>All modes</b>	<b>67436</b>	<b>7743</b>	<b>510</b>	<b>1375</b>	<b>12061</b>	<b>3833</b>	<b>92958</b>
3 South Muntenia	Road	25017	14434	1084	363	1089	4826	46812
	Rail	75	8	0	0	3	58	145
	IWT	0	61	4	0	4	10	78
	<b>All modes</b>	<b>25092</b>	<b>14503</b>	<b>1087</b>	<b>363</b>	<b>1096</b>	<b>4894</b>	<b>47036</b>
4 South West Oltenia	Road	8858	11703	786	2	326	1731	23405
	Rail	35	15	1	0	4	11	66
	IWT	77	8	1	0	91	15	192
	<b>All modes</b>	<b>8971</b>	<b>11726</b>	<b>788</b>	<b>2</b>	<b>420</b>	<b>1756</b>	<b>23663</b>
5 West	Road	14800	183597	758	0	17964	73858	290976
	Rail	0	113179	0	0	74708	334294	522182
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>14800</b>	<b>296776</b>	<b>758</b>	<b>0</b>	<b>92672</b>	<b>408152</b>	<b>813157</b>
6 North West	Road	5642	212160	1715	317	2159	12182	234176
	Rail	40	1779	0	13	0	7	1839
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>5682</b>	<b>213940</b>	<b>1715</b>	<b>330</b>	<b>2159</b>	<b>12189</b>	<b>236015</b>
7 Center	Road	5334	48669	2551	1718	2677	15505	76452
	Rail	43	27	0	0	0	48	117
	IWT	0	74	1	0	9	16	101
	<b>All modes</b>	<b>5376</b>	<b>48769</b>	<b>2552</b>	<b>1718</b>	<b>2686</b>	<b>15568</b>	<b>76670</b>
8 Bucharest Ilfov	Road	116496	29424	313	1	2749	8033	157018
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>116496</b>	<b>29424</b>	<b>313</b>	<b>1</b>	<b>2749</b>	<b>8033</b>	<b>157018</b>
All regions	Road	255869	699218	8556	3341	47654	194445	1209084
	Rail	6630	229115	35	448	150184	668973	1055384
	IWT	3283	667	327	0	9671	1698	15645
	<b>All modes</b>	<b>265782</b>	<b>929000</b>	<b>8918</b>	<b>3789</b>	<b>207509</b>	<b>865115</b>	<b>2280113</b>

**Table 94: Exports 13 Domestic & Industrial Waste 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2 South East</b>	Road	1	0	0	0	0	0	1
	Rail	39	1	1	0	12	2	56
	IWT	1	0	0	0	0	0	1
	<b>All modes</b>	<b>42</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>2</b>	<b>58</b>
<b>3 South Muntenia</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>4 South West Oltenia</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>5 West</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6 North West</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7 Center</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>8 Bucharest Ilfov</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>All regions</b>	Road	1	0	0	0	0	0	1
	Rail	39	1	1	0	12	2	56
	IWT	1	0	0	0	0	0	2
	<b>All modes</b>	<b>42</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>2</b>	<b>58</b>

**Table 95: Exports 15 Forestry Products 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	3430	15031	584	0	2197	3366	24608
	Rail	130	1478	15	0	375	377	2374
	IWT	0	105	0	0	27	15	147
	<b>All modes</b>	<b>3560</b>	<b>16614</b>	<b>599</b>	<b>0</b>	<b>2599</b>	<b>3758</b>	<b>27130</b>
2 South East	Road	17058	6321	14	164	545	866	24968
	Rail	1551	724	10	121	236	303	2945
	IWT	944	140	94	0	2834	484	4495
	<b>All modes</b>	<b>19552</b>	<b>7185</b>	<b>118</b>	<b>285</b>	<b>3615</b>	<b>1654</b>	<b>32409</b>
3 South Muntenia	Road	9268	13606	636	0	1423	3001	27935
	Rail	113	383	0	0	40	5	541
	IWT	0	46	7	0	0	7	60
	<b>All modes</b>	<b>9381</b>	<b>14034</b>	<b>644</b>	<b>0</b>	<b>1463</b>	<b>3013</b>	<b>28537</b>
4 South West Oltenia	Road	4103	3240	1905	13	66	357	9684
	Rail	359	97	16	4	9	8	494
	IWT	378	109	14	0	195	34	730
	<b>All modes</b>	<b>4840</b>	<b>3447</b>	<b>1935</b>	<b>18</b>	<b>270</b>	<b>399</b>	<b>10908</b>
5 West	Road	5388	64097	736	0	7	15015	85244
	Rail	458	3109	28	0	101	723	4419
	IWT	0	10	0	0	0	0	10
	<b>All modes</b>	<b>5846</b>	<b>67216</b>	<b>764</b>	<b>0</b>	<b>108</b>	<b>15739</b>	<b>89673</b>
6 North West	Road	1180	205354	3180	0	11174	4926	225814
	Rail	0	11399	175	0	1481	4682	50591
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>9455</b>	<b>216752</b>	<b>3355</b>	<b>0</b>	<b>12655</b>	<b>9608</b>	<b>506596</b>
7 Center	Road	2531	81699	1821	0	7969	17219	111239
	Rail	121	4254	55	0	600	1748	6779
	IWT	0	85	3	0	7	12	107
	<b>All modes</b>	<b>2652</b>	<b>86037</b>	<b>1879</b>	<b>0</b>	<b>8576</b>	<b>18980</b>	<b>118125</b>
8 Bucharest Ilfov	Road	52339	11320	662	0	3829	6038	74188
	Rail	2079	378	24	0	123	138	2742
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>54418</b>	<b>11698</b>	<b>685</b>	<b>0</b>	<b>3953</b>	<b>6176</b>	<b>76930</b>
All regions	Road	100686	464766	10275	177	27217	65804	668924
	Rail	3429	24930	351	126	3067	8708	3686
	IWT	1321	504	118	0	3063	554	5560
	<b>All modes</b>	<b>200968</b>	<b>490200</b>	<b>10743</b>	<b>303</b>	<b>33347</b>	<b>75065</b>	<b>867369</b>

Table 96: Exports 15 Livestock 2020 NTM

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	3704	2570	0	0	52	814	7140
	Rail	0	0	0	0	0	0	0
	IWT	0	35	0	0	0	2	37
	<b>All modes</b>	<b>3704</b>	<b>2605</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>816</b>	<b>7177</b>
2 South East	Road	1043	329	0	0	0	1140	2512
	Rail	13	122	0	0	0	602	737
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>1056</b>	<b>451</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1743</b>	<b>3249</b>
3 South Muntenia	Road	7493	6356	475	0	0	1967	16291
	Rail	120	41	9	0	0	0	171
	IWT	0	45	0	0	0	4	49
	<b>All modes</b>	<b>7613</b>	<b>6442</b>	<b>485</b>	<b>0</b>	<b>0</b>	<b>1971</b>	<b>16511</b>
4 South West Oltenia	Road	1396	1822	7	0	0	0	3225
	Rail	0	2	0	0	0	0	2
	IWT	0	6	0	0	0	0	6
	<b>All modes</b>	<b>1396</b>	<b>1830</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3233</b>
5 West	Road	1151	40694	627	0	2519	10734	55724
	Rail	0	71	0	0	0	287	358
	IWT	6	0	0	0	0	0	6
	<b>All modes</b>	<b>1157</b>	<b>40765</b>	<b>627</b>	<b>0</b>	<b>2519</b>	<b>11021</b>	<b>56088</b>
6 North West	Road	3552	53086	1405	0	0	4661	62704
	Rail	38	444	0	0	0	0	483
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>3590</b>	<b>53530</b>	<b>1405</b>	<b>0</b>	<b>0</b>	<b>4661</b>	<b>63187</b>
7 Center	Road	6321	19696	0	0	56	8589	34662
	Rail	0	4	0	0	0	0	4
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>6321</b>	<b>19700</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>8589</b>	<b>34667</b>
8 Bucharest Ilfov	Road	46002	20853	0	0	0	6421	73276
	Rail	0	0	0	0	0	0	0
	IWT	19	0	0	0	20	0	39
	<b>All modes</b>	<b>46020</b>	<b>20853</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>6421</b>	<b>73315</b>
All regions	Road	71813	186101	3140	0	5145	45060	311259
	Rail	171	755	9	0	0	1177	2113
	IWT	31	86	0	0	21	6	142
	<b>All modes</b>	<b>72015</b>	<b>186942</b>	<b>3150</b>	<b>0</b>	<b>5166</b>	<b>46242</b>	<b>313515</b>

The above information is useful also in the next stage for identifying the IWT potential for Romanian imports from DR countries.

## Port of Constanta flows 2020

**Table 97: Constanta Port hinterland by mode of transport, containers & non-containers, tonnes/year, 2020 NTM**

<i>NCT &amp; CT, 1000 tonnes</i>	FROM CTA		TO CTA		FROM	TO	TOTAL
	<i>DOM</i>	<i>INT</i>	<i>DOM</i>	<i>INT</i>	<i>All</i>	All	
Agricultural Products	1644	876	4560	49	2520	4609	7129
Foodstuffs	168	2	209	7	170	216	386
Solid Mineral Fuels	329	42	180	505	371	685	1057
Crude Oil	55	10	50	0	64	50	114
Ores, Metal Waste	1156	133	1358	1673	1290	3031	4321
Metal Products	681	1	1521	10	682	1531	2213
Building Minerals & Materials	4510	2353	3415	138	6862	3553	10415
Fertilisers	519	114	2176	105	634	2281	2915
Chemicals	249	14	310	2	263	313	576
Machinery & Heavy Manufacturing	131	0	82	3	132	84	216
Petroleum Products	125	3	442	1	128	443	571
Mail & Parcels	38	9	87	0	47	87	135
Manufactured Goods	575	122	1279	32	697	1311	2008
Domestic & Industrial Waste	30	0	63	1	30	63	93
Forestry Products	123	31	591	10	154	601	755
Livestock	12	0	0	0	12	0	12
<b>All goods</b>	<b>10346</b>	<b>3711</b>	<b>16323</b>	<b>2536</b>	<b>14056</b>	<b>18858</b>	<b>32914</b>



**Table 98: Constanta Port hinterland by mode of transport, non-containers, tonnes/year, 2020 NTM**

<i>1,000 tonnes - NCT</i>	FROM CTA		TO CTA		FROM	TO	TOTAL
	<i>DOM</i>	<i>INT</i>	<i>DOM</i>	<i>INT</i>			
Agricultural Products	1644	876	4560	49	2520	4609	7129
Foodstuffs	3	0	92	0	2	92	94
Solid Mineral Fuels	329	42	180	505	371	685	1057
Crude Oil	55	10	50	0	64	50	114
Ores, Metal Waste	1156	133	1358	1673	1290	3031	4321
Metal Products	292	0	1084	0	292	1084	1375
Building Minerals & Materials	4510	2353	3415	138	6862	3553	10415
Fertilisers	367	102	1666	93	468	1759	2227
Chemicals	107	0	169	0	107	169	276
Machinery & Heavy Manufacturing	15	0	12	0	15	12	27
Petroleum Products	113	0	401	0	113	401	513
Mail & Parcels	38	9	87	0	47	87	135
Manufactured Goods	40	93	39	0	132	39	172
Domestic & Industrial Waste	4	0	21	0	4	22	25
Forestry Products	130	55	675	10	185	686	871
Livestock	12	0	0	0	12	0	12
<b>All goods</b>	<b>8813</b>	<b>3673</b>	<b>13809</b>	<b>2469</b>	<b>12485</b>	<b>16278</b>	<b>28763</b>

**Table 99: Constanta Port hinterland by mode of transport, containers, tonnes/year, 2020 NTM**

<i>1,000 tonnes - CT</i>	FROM CTA		TO CTA		FROM	TO	TOTAL
	<i>DOM</i>	<i>INT</i>	<i>DOM</i>	<i>INT</i>			
Agricultural Products	0	0	0	0	0	0	0
Foodstuffs	165	2	117	7	168	124	292
Solid Mineral Fuels	0	0	0	0	0	0	0
Crude Oil	0	0	0	0	0	0	0
Ores, Metal Waste	0	0	0	0	0	0	0
Metal Products	389	1	437	10	390	447	837
Building Minerals & Materials	0	0	0	0	0	0	0
Fertilisers	153	13	509	13	165	522	687
Chemicals	142	14	142	2	156	144	300
Machinery & Heavy Manufacturing	116	0	70	3	117	73	189
Petroleum Products	12	3	42	1	15	43	58
Mail & Parcels	0	0	0	0	0	0	0
Manufactured Goods	535	29	1240	32	564	1271	1836

Domestic & Industrial Waste	26	0	41	1	26	42	68
Forestry Products	42	29	283	3	71	286	356
Livestock	0	0	0	0	0	0	0
<b>All goods</b>	<b>1582</b>	<b>91</b>	<b>2881</b>	<b>70</b>	<b>1673</b>	<b>2951</b>	<b>4624</b>

### 5.3 Conclusions on related routes by type of goods and related distribution by mode

#### Bulgaria

The dominant share of cargo transport in Bulgaria is along the available European corridors, which continue to be developed and modernized.

The biggest share of the transportation for import and export belongs to dry bulk cargo – grains, ore, coke, fuel, etc. Out of all of them, those with largest quantities and steady export growth rate are agricultural products, while the imports consist mostly of metals and fuels.

In the last five years the overall cargo turnover varies and there is no clear growth.

The sea transport realizes the largest volume of international transports, followed by railway, while the automotive transport performs the most local (in-country) transportations. The combined transport is not developed enough. The inland waterway transport also operates with much lower turnovers compared to the period before 2012.

#### Romania

As presented before, for Romanian imports from the DR Countries the modal share is as follows – following the NTM 2020:

**Table 100: Imports from DR countries, All goods 2020 NTM**

Imports All goods 2020 NTM								
	Transport mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
All regions	Road	1776376	4418879	103929	23808	210894	712276	7246162
	Rail	466948	580131	13461	7757	219384	949243	2236924
	IWT	307421	49920	94254	0	165591	60235	677421
	<b>All modes</b>	<b>2550744</b>	<b>5048930</b>	<b>211644</b>	<b>31565</b>	<b>595869</b>	<b>1721754</b>	<b>10160506</b>

The modal share in % is presented below.

**Table 101: Imports from DR countries, All goods 2020 NTM, % by mode of transport**

	Transport mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
All regions	Road	69,64%	87,52%	49,11%	75,43%	35,39%	41,37%	71,32%

	Rail	18,31%	11,49%	6,36%	24,57%	36,82%	55,13%	22,02%
	IWT	12,05%	0,99%	44,53%	0,00%	27,79%	3,50%	6,67%
	<b>All modes</b>	<b>100,00%</b>	<b>100,00%</b>	<b>100,00%</b>	<b>100,00%</b>	<b>100,00%</b>	<b>100,00%</b>	<b>100,00%</b>

It is observed that the highest IWT imports in tonnes are from Bulgaria and Austria, and the highest share in % is from Slovakia and Austria.

For Romanian exports from the DR Countries the modal share is as follows – following the NTM 2020:

**Table 102: Exports to DR countries, All goods 2020 NTM**

	Transport mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>All regions</b>	Road	1708342	4603758	100150	41808	297022	778832	7529912
	Rail	267938	453891	3609	19222	253118	957480	1955258
	IWT	330493	25717	15755	0	471301	80691	923957
	<b>All modes</b>	<b>2306772</b>	<b>5083366</b>	<b>119514</b>	<b>61030</b>	<b>1021440</b>	<b>1817003</b>	<b>10409126</b>

The modal share in % is presented below.

**Table 103: Exports to DR countries, All goods 2020 NTM, % by mode of transport**

	Transport mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>All regions</b>	Road	74,06%	90,57%	83,80%	68,50%	29,08%	42,86%	72,34%
	Rail	11,62%	8,93%	3,02%	31,50%	24,78%	52,70%	18,78%
	IWT	14,33%	0,51%	13,18%	0,00%	46,14%	4,44%	8,88%
	<b>All modes</b>	<b>100,00%</b>	<b>100,00%</b>	<b>100,00%</b>	<b>100,00%</b>	<b>100,00%</b>	<b>100,00%</b>	<b>100,00%</b>

It is observed that the highest IWT exports in tonnes are to Austria and Bulgaria, and the highest share in % is to Austria and Bulgaria also.

## 6 Relation with Black Sea countries

Following the DT 1.2.1 report, in this chapter the imports and exports of DR countries in relation with Black Sea countries will be presented by type of goods and transport mode.

### Imports of DR countries from the Black Sea countries

#### The following conclusions can be drawn:

- Austrian, Hungarian and Romanian imports by road from Turkey (some 1.6 million tones all goods) would be of interest to be attracted through a possible transport chain Maritime - IWT via the Port of Constanta.
  
- High volumes of imports of crude oil from Russian Federation and Ukraine take place by fixed mechanism (pipeline) or maritime transport.

**Table 104: Imports of DR countries from the Black Sea countries**

NSTR 0	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	20	237	96	0	5701	72	1072	0	0	10	2
Rail	0	0	17	43912	0	0	157	0	0	0	0	0
Road	291	18000	120977	46586	170	4442	169344	33556	0	806	8015	1673
Air	1	1	6	4	0	0	5	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	9365	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	292	18021	121237	99963	170	10143	169578	34628	0	806	8025	1675

	Hungary				Romania				Slovakia			
<b>NSTR O</b>	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	44	0	0	1097	2764	949	0	0	90	0
Rail	0	56829	0	72556	0	59206	0	476083	0	10407	0	14795
Road	0	32046	34385	331302	237	59596	182751	224277	0	50009	5645	65066
Air	0	0	44	0	0	0	0	0	0	0	18	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	2854	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	88875	34473	403858	237	119899	185515	704163	0	60416	5753	79861

NSTR 1	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	8	5875	0	86	1939	6315	1062	0	0	1022	0
Rail	0	3	4848	0	0	0	0	0	0	0	0	0
Road	693	4585	29816	31835	477	1741	41532	19773	14	1131	3257	2263
Air	1	0	30	1	0	11	15	1	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	3530	0	0	6176	7818	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	347	0
All modes	694	4596	40569	35366	563	3691	54038	28654	14	1131	4626	2263

	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
<b>NSTR 1</b>	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	6	24	944	0	0	173	3773	551	0	22	507	0
Sea	0	51	670	147009	0	0	0	15108	0	0	0	1868
Rail	134	1834	6346	16783	0	5898	68273	63574	46	1492	2707	18834
Road	0	1	1	0	0	0	1	0	0	0	0	1
Air	0	0	0	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	0	0
Self propultion	140	1910	7961	163792	0	6071	72047	79233	46	1514	3214	20703
All modes												



NSTR 2	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	569980	0	0	0	354420	0	0	0	276696	0	0
Rail	0	0	0	0	0	0	0	0	0	0	0	0
Road	0	0	0	858	0	145	474	495	0	100	0	21
Air	0	0	0	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	25485	0	216337	0	14066	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	569980	0	858	0	380050	474	216832	0	290862	0	21

	Hungary				Romania				Slovakia		
<b>NSTR 2</b>	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	0	0	289856	625	0	0	0	0	0
Rail	287974	0	0	0	78163	0	0	0	1524989	0	20084
Road	0	0	2128	0	6247	24	2579	0	0	0	927
Air	0	0	0	0	0	0	22	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	374643	0	3334	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0
All modes	287974	0	2128	0	748909	649	5935	0	1524989	0	21011

NSTR 3	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	645	2	0	83083	4455870	138346	4616	0	565463	84	0
Rail	0	8266	0	0	0	104181	0	10988	0	0	0	0
Road	0	128	2	111	0	3000	4036	470	0	996	384	0
Air	0	0	0	0	0	0	0	0	0	2	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	277796	0	0	0	2050755	0	0	0	0	0	0
Inland water	0	13960	0	0	0	1569	7298	1708	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	300795	4	111	83083	6615375	149680	17782	0	566461	468	0

	Hungary				Romania				Slovakia			
<b>NSTR 3</b>	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	0	0	0	4583008	14443	0	0	22	0	0
Rail	0	87216	0	40375	0	24196	0	0	0	506	0	0
Road	0	573269	504	46	0	4239	2299	702	0	27870	2	4
Air	3	5	3	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	10613637	0	583588	0	930200	0	0	0	7991945	0	0
Inland water	0	0	0	0	0	7398	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	3	11274127	507	624009	0	5549041	16742	702	0	8020343	2	4

NSTR 4	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	46013	5927	0	210752	18835	51003	0	0	98	40282	0
Rail	0	0	0	0	0	0	220	0	0	0	0	0
Road	0	255	220	22	369	0	6118	21	0	0	0	0
Air	0	1	1	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	2998	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	46269	6148	22	211121	18835	57341	3019	0	98	40282	0

	Hungary				Romania				Slovakia			
<b>NSTR 4</b>	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	169	0	0	0	148306	261643	0	0	2033	0
Rail	0	1117	0	1390513	0	87594	0	978220	0	1659658	0	4229534
Road	0	0	177	1327	92	0	816	1308	0	218	0	721
Air	0	1	1	2	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	244524	0	0	5080	163723	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	1118	347	1636366	92	87594	154202	1404894	0	1659876	2033	4230255

NSTR 5	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	32602	15706	0	1252	87944	224645	575103	0	17052	27341	7258
Rail	0	0	2106	9437	0	622	1165	659	0	0	1366	0
Road	3	14962	18140	6052	417	13921	121298	14621	0	92	4474	1827
Air	0	2	11	0	0	0	1	0	0	0	0	0
Post	0	0	0	0	0	0	2	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	5858	0	0	2005	13267	93669	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	3	47566	41821	15489	1669	104492	360378	684052	0	17144	33181	9085

	Hungary				Romania				Slovakia			
<b>NSTR 5</b>	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	15	1844	0	0	134262	898437	78007	0	0	51	0
Rail	0	55500	2032	153615	0	10855	11	56759	0	58338	74	78691
Road	264	8604	23544	9672	0	12830	85628	46388	0	19593	10304	15340
Air	0	1	17	0	0	4	7	4	0	0	9	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	7335	4194	0	0	0	0	28722	0	0	0	0
Self propulsion	0	0	0	0	0	895	0	10760	0	0	0	0
All modes	264	71455	31631	163287	0	158846	984083	220640	0	77931	10438	94031



NSTR 6	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	61039	0	0	87944	224645	575103	0	0	2604	0
Rail	0	0	60753	5270	0	622	1165	659	0	0	168	0
Road	0	3203	3489	7099	0	13921	121298	14621	0	2606	1204	147
Air	0	0	3	0	0	0	1	0	0	0	0	0
Post	0	0	3	0	0	0	2	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	39567	0	0	2005	13267	93669	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	3203	164854	12369	0	104492	360378	684052	0	2606	3976	147

	Hungary				Romania				Slovakia			
<b>NSTR 6</b>	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	6530	0	348	55	247771	6038	0	16	8049	0
Rail	0	0	519	634282	0	1375	0	204019	0	2397	0	142863
Road	0	7424	6693	5676	0	43580	30382	29194	0	13960	845	11126
Air	0	0	0	0	0	0	136	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	7424	13742	639958	348	45010	278289	239251	0	16373	8894	153989

NSTR 7	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	0	0	57996	121891	24598	9303	0	23824	13285	0
Rail	0	0	0	0	0	0	96	0	0	0	0	0
Road	0	0	18	0	0	3091	2351	0	0	240	19	0
Air	1	0	0	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	1031	0	14591	0	8428	0	28919	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	1	0	18	1031	57996	139573	27045	17731	0	52983	13304	0

	Hungary				Romania				Slovakia			
<b>NSTR 7</b>	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	0	0	28030	243325	45843	0	0	0	0	0
Rail	0	42672	0	23824	0	30061	0	45047	0	0	0	1515
Road	0	0	1	197	0	257	3379	0	0	543	0	32
Air	0	0	0	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	81301	0	0	0	1257	0	0	0	3178	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	123973	1	24021	28030	274900	49222	45047	0	3721	0	1547

NSTR 8	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	15938	12240	42	4202	120700	88695	8000	0	59752	4244	0
Rail	0	4085	1468	21	0	343	62	32	0	20	26	0
Road	0	6801	7127	11060	1	8715	141341	9503	0	3594	7432	1047
Air	0	2	13	0	0	7	19	0	0	1	5	0
Post	0	0	0	0	0	1	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	8656	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	26826	29504	11123	4203	129766	230117	17535	0	63367	11707	1047

NSTR 8	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	118	1006	2135	0	0	12710	77764	4376	0	0	1668	204
Rail	0	224473	95	4475	0	114558	98	199	0	104685	125	9666
Road	0	59368	16150	8634	0	27111	157228	9476	0	54584	12256	25931
Air	0	3	13	0	0	4	87	9	0	8	16	1
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	5665	0	0	0	0	0	12708	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	118	290515	18393	13109	0	154383	235177	26768	0	159277	14065	35802

NSTR 9	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	210	45841	185309	70	27814	12491	1061	0	25	6724	0
Rail	0	28	2181	894601	0	360	28065	0	0	0	324	1173
Road	260	40711	103357	53513	531	38004	370825	64382	2	9439	36041	15586
Air	1	40	599	6	0	59	193	9	0	7	60	50
Post	0	3	7	1	0	1	5	1	0	0	5	1
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	1688662	0	685	0	13	0	0	1	0
Self propulsion	2	10	8810	1	2	27	2085	2	0	3	703	0
All modes	263	41002	160795	2822093	603	66950	413664	65468	2	9474	43858	16810

NSTR 9	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	2	25	7462	588	68	34592	22467	754	0	57	2843	1
Rail	0	1376	17532	610	0	18410	1412	75544	0	341	7011	24405
Road	8	26599	145803	119651	17	137028	556828	145377	1	25802	54585	92204
Air	0	30	1138	25	0	62	281	7	0	44	259	37
Post	0	2	0	16	0	1	1	3	0	1	0	4
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	2	0	0	17	1759	0	0	0	0
Self propulsion	0	33	263	7	0	1	68	0	2	3	2500	4
All modes	10	28065	172198	120899	85	190094	581074	223444	3	26248	67198	116655



All goods	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	665416	146867	185447	357441	5283058	770810	1175320	0	942910	95596	7260
Rail	0	12382	71373	953241	0	106128	30930	12338	0	20	1884	1173
Road	1247	88645	283146	157136	1965	86980	978617	157442	16	19004	60826	22564
Air	4	46	663	11	0	77	234	10	0	10	65	50
Post	0	3	10	1	0	2	9	1	0	0	5	1
Fixed mechanism	0	277796	0	0	0	2050755	0	0	0	0	0	0
Inland water	0	13960	54081	1702588	0	46340	40008	424640	0	42985	1	0
Self propulsion	2	10	8810	1	2	27	2085	2	0	3	1050	0
All modes	1253	1058258	564950	2998425	359408	7573367	1822693	1769753	16	1004932	159427	31048

All goods	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	126	1070	19128	588	28446	5299078	1462193	352318	0	117	15241	205
Rail	0	757208	20848	2467259	0	424418	1521	1850979	0	3361321	7210	4523421
Road	406	709144	233603	495416	346	296786	1087608	522875	47	194071	86344	230185
Air	3	41	1217	27	0	70	512	42	0	52	302	39
Post	0	2	0	16	0	1	1	3	0	1	0	4
Fixed mechanism	0	10613637	0	583588	0	930200	0	0	0	7991945	0	0
Inland water	0	94301	4194	244526	0	383298	5097	213100	0	3178	0	0
Self propulsion	0	33	263	7	0	896	68	10760	2	3	2500	4
All modes	535	12175436	279253	3791427	28792	7334747	2557000	2950077	49	11550688	11159 7	4753858

## **Exports of DR countries to the Black Sea countries**

### **The following conclusions can be drawn:**

- Austrian, Hungarian and Romanian exports by road to Turkey (some 770 thousand tones all goods) would be of interest to be attracted through a possible transport chain Maritime - IWT via the Port of Constanta.



**Table 105: Exports of DR countries to the Black Sea countries**

NSTR O	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	1	40	4452	24	1523	525	18779	0	0	31	18933	0
Rail	0	0	0	0	0	0	42495	0	0	0	0	0
Road	209	1649	6348	1495	1756	598	80467	635	12	70	1514	153
Air	0	1	17	0	0	1	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	210	1690	10817	1519	3279	1124	141741	635	12	101	20447	153



NSTR O	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	36	117	1171	0	43	22	447294	0	0	0	0	0
Rail	0	311	8	0	0	0	0	0	0	0	0	0
Road	525	30044	25040	21433	12	8848	49249	15758	88	1367	4336	9457
Air	12	29	27	3	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	573	30501	26246	21436	55	8870	496543	15758	88	1367	4336	9457

NSTR 1	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	336	669	1436	2	705	4230	271210	647	0	0	13195	0
Rail	807	3792	416	0	0	495	118387	0	0	0	0	0
Road	2355	56423	33942	15943	1386	13905	58164	8469	334	2807	755	1605
Air	8	3	2	24	1	114	0	0	0	11	0	1
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	11641	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	21	0	0	0	0	0	0	0	0	0
All modes	3506	60887	47458	15969	2092	18744	447761	9116	334	2818	13950	1606

NSTR 1	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	91	68	2823	26	3968	33996	390845	30	0	175	38	0
Rail	421	21159	0	727	0	0	0	0	0	1620	4131	0
Road	936	30589	14298	43269	447	1514	21014	3426	83	11996	1503	4964
Air	5	11	1	9	1	1	1	0	3	1	0	1
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	1912	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	1453	51827	17122	44031	4416	35511	411860	3456	86	13792	7584	4965

NSTR 2	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	0	0	0	0	0	0	0	0	0	0
Rail	0	0	0	0	0	0	0	0	0	0	0	0
Road	0	0	0	0	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	0	0	0	0	0	0	0	0	0	0	0



NSTR 2	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	0	0	0	0	0	0	0	0	0	0
Rail	0	0	14905	0	0	0	0	0	0	0	0	0
Road	0	0	0	3	0	0	0	0	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	0	14905	3	0	0	0	0	0	0	0	0

NSTR 3	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	13	0	150487	428	627970	41936	0	0	4555	0
Rail	0	21	0	0	0	0	0	0	0	0	0	0
Road	11	2761	339	45	153	296	2327	1128	0	0	2	2
Air	0	0	1	0	0	1	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	4294	0	0	0	0	714	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	11	2782	4647	45	150640	725	630297	43778	0	0	4557	2

NSTR 3	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	38	0	0	283036	1384	391669	32619	0	0	0	0
Rail	0	0	0	3150	0	17	0	0	0	0	0	0
Road	9	3111	1433	17159	327	5341	624	10510	0	211	4	1247
Air	1003	8637	7044	3052	3	21	1209	8	0	0	0	0
Post	0	0	0	0	0	17	0	0	0	0	0	0
Fixed mechanism	0	0	0	2611723	0	0	0	0	0	0	0	0
Inland water	0	0	4502	8281	0	0	1445	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	1012	11786	12979	2643365	283366	6780	394947	43137	0	211	4	1247

NSTR 4	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	7021	0	0	0	229752	0	0	0	122895	0
Rail	0	144	0	0	0	0	36203	0	0	0	0	0
Road	0	19	0	919	0	0	3927	32	0	16	108	0
Air	0	0	0	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	3231	0	0	0	0	0	0	0	6891	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	163	10252	919	0	0	269882	32	0	16	129894	0

NSTR 4	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	0	0	0	0	584391	0	0	0	0	0
Rail	0	0	0	0	0	0	0	0	0	0	0	153477
Road	0	0	0	0	0	0	1000	56	0	0	0	324
Air	0	0	0	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	44085	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	0	44085	0	0	0	585391	56	0	0	0	153801

NSTR 5	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	46652	67337	0	120	318	251045	11983	0	0	19028	0
Rail	0	19584	12234	5275	0	0	1478	0	0	0	0	0
Road	17	9257	41153	5256	37	2223	148541	1088	102	158	561	32
Air	0	2	34	2	0	1	1	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	1225	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	17	75495	121983	10533	157	2542	401065	13071	102	158	19589	32

NSTR 5	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	6	84	0	0	692	226934	24	0	0	534	0
Rail	0	8466	10014	277	0	0	0	412	0	4111	38873	20434
Road	0	8795	1587	12160	37	6502	47592	11469	1	11149	13078	38275
Air	0	1	1	0	0	2	1	0	0	0	23	3
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	5079	0	0	0	0	0	0	0	4903	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	17268	16765	12437	37	7196	274527	11905	1	15260	57411	58712

NSTR 6	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	749	1416	9491	5	25266	318	251045	11983	0	55	1080	0
Rail	0	13938	10136	10630	0	0	1478	0	0	0	0	0
Road	222	12081	7736	9541	132	2223	148541	1088	11	3892	297	609
Air	0	0	3	0	0	1	1	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	971	27435	27366	20176	25398	2542	401065	13071	11	3947	1377	609



NSTR 6	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	2	0	182	0	0	0	27	11512	0	0	950	0
Rail	0	0	177	0	0	162	0	384	0	29826	4961	426560
Road	31	1177	3592	10676	8	222	112	11587	100	3653	1179	41206
Air	0	394	0	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	122585	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	33	1571	3951	10676	8	384	139	146068	100	33479	7090	467766

NSTR 7	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	0	0	0	0	15045	39222	0	0	51382	9600
Rail	0	0	0	0	0	0	1364	0	0	0	0	0
Road	6	0	12	342	11	0	168	8	0	0	0	0
Air	0	0	0	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	6	0	12	342	11	0	16577	39230	0	0	51382	9600

NSTR 7	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	0	0	0	0	0	0	75192	16274	0	0	0	0
Rail	0	0	0	0	0	0	0	2864	0	0	0	0
Road	0	19	63	383	0	0	0	1369	36	1390	902	977
Air	0	0	0	0	0	0	0	0	0	0	0	0
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	0	19	63	383	0	0	75192	20507	36	1390	902	977

NSTR 8	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	40	1952	54926	0	2896	480	609650	15206	0	0	5769	0
Rail	0	245	3529	0	0	0	31741	0	0	0	0	0
Road	447	40173	25883	26139	3873	9883	183487	42909	11	2515	3744	361
Air	16	63	56	9	13	19	12	3	7	5	1	1
Post	0	0	0	0	0	0	0	0	0	0	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	503	42433	84394	26148	6782	10382	824890	58118	18	2520	9514	362

NSTR 8	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	6	176	12146	11	20606	1362	76423	147	75	0	2817	0
Rail	0	13936	38307	25984	0	162	632	395	0	1948	4085	2652
Road	448	44276	41352	86972	101	27262	86117	50587	89	9255	10775	62071
Air	54	173	54	45	24	2	5	0	1	8	5	23
Post	0	0	0	0	0	0	0	0	0	1	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	0	0	0	0	0	0	0	0	0
Self propulsion	0	0	0	0	0	0	0	0	0	0	0	0
All modes	508	58561	91859	113012	20731	28788	163177	51129	165	11212	17682	64746

NSTR 9	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	4536	32698	78636	654	23325	2333	84274	25624	5	11	4279	0
Rail	0	3234	53136	9618	0	11	4771	0	0	369	0	0
Road	5521	107564	107603	90537	6284	27590	201176	25951	492	3615	3373	1513
Air	24	516	783	198	8	65	51	15	0	17	30	3
Post	0	0	0	0	0	1	0	0	0	0	0	1
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	4	0	0	0	0	0	0	0	0	0
Self propulsion	30	535	0	1035	1721	0	3	35	0	0	0	0
All modes	10111	144547	240162	102042	31338	30000	290275	51625	497	4012	7682	1517

NSTR 9	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	17
Sea	15	7221	14823	564	363	6734	25799	599	315	12149	5194	122
Rail	0	24978	16553	13519	0	23063	268	0	44	86242	14604	1457
Road	729	73290	55459	145776	1702	102936	197579	56186	896	80599	71271	63561
Air	6	190	262	80	400	3395	10748	497	14	75	80	35
Post	0	0	0	0	0	0	0	0	0	2	0	0
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	0	3607	0	2	0	1011	0	0	0	0
Self propulsion	0	0	0	453	0	0	0	82	217	10	8	1244
All modes	750	105679	87097	163999	2465	136130	234394	58375	1486	179077	91157	66436

	Austria				Bulgaria				Croatia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
<b>All goods</b>												
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Sea	5662	83427	223312	685	204322	8632	2358770	146601	5	97	241116	9600
Rail	807	40958	79451	25523	0	506	237917	0	0	369	0	0
Road	8788	229927	223016	150217	13632	56718	826798	81308	962	13073	10354	4275
Air	48	585	896	233	22	202	65	18	7	33	31	5
Post	0	0	0	0	0	1	0	0	0	0	0	1
Fixed mechanism	0	0	0	0	0	0	0	0	0	0	0	0
Inland water	0	0	20395	0	0	0	0	714	0	0	6891	0
Self propulsion	30	535	21	1035	1721	0	3	35	0	0	0	0
All modes	15335	355432	547091	177693	219697	66059	3423553	228676	974	13572	258392	13881



All goods	Hungary				Romania				Slovakia			
	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine	Georgia	Russian Federation (Russia)	Turkey	Ukraine
Unknown	0	0	0	0	0	0	0	0	0	0	0	17
Sea	150	7626	31229	601	308016	44190	2218574	61205	390	12324	9533	122
Rail	421	68850	79964	43657	0	23404	900	4055	44	123747	66654	604580
Road	2678	191301	142824	337831	2634	152625	403287	160948	1293	119620	103048	222082
Air	1080	9435	7389	3189	428	3421	11964	505	18	84	108	62
Post	0	0	0	0	0	17	0	0	0	3	0	0
Fixed mechanism	0	0	0	2611723	0	0	0	0	0	0	0	0
Inland water	0	0	53666	11888	0	2	1445	123596	0	0	6815	0
Self propulsion	0	0	0	453	0	0	0	82	217	10	8	1244
All modes	4329	277212	315072	3009342	311078	223659	2636170	350391	1962	255788	186166	828107

## 7 Forecasts 2025, 2030 and 2040

### 7.1 Presentation of the main cargo transport flows corridors for each time horizon

#### Bulgaria

In the Integrated Transport Strategy for the Period Until 2030, there are medium and long-term forecasts for the cargo turnover in the Bulgarian ports until 2050. The turnover by regions is aggregated by areas of planning and is presented in the following table.

**Table 106: Forecasts of container turnover by planning regions and time sections**

<b>TEU, forecast by planning regions</b>	<b>2014</b>	<b>2020</b>	<b>2027</b>	<b>2034</b>	<b>2044</b>	<b>2047</b>	<b>2050</b>
BULGARIA	462,300	498,992	531,078	558,759	592,909	602,071	610,715
South-West Planning Region (SWPR)	173,555	193,079	211,989	229,645	253,358	260,093	266,657
South Central Planning Region (SCPR)	80,058	85,199	89,287	92,492	95,897	96,682	97,357
South-East Planning Region (SEPR)	63,016	68,475	73,204	77,244	82,106	83,395	84,608
North-East Planning Region (NWPR)	56,680	61,053	64,635	67,545	70,839	71,648	72,381
North Central Planning Region (NCPR)	45,883	47,722	48,777	49,276	49,404	49,364	49,275
North-West Planning Region (NWPR)	43,108	43,464	43,186	42,557	41,304	40,889	40,437

In the Integrated Transport Strategy for the Period Until 2030, three scenarios for the economic development of Bulgaria were drafted, presented in the following table:



**Table 107: Forecast for GDP growth after 2020**

Pessimistic	Optimistic	Realistic	Year
1.5%	1.5%	1.5%	2014
3.0%	3.0%	3.0%	2015
2.1%	2.1%	2.1%	2016
2.5%	2.5%	2.5%	2017
2.7%	2.7%	2.7%	2018
2.7%	2.7%	2.7%	2019
2.3%	2.3%	2.3%	2020
1.3%	2.1%	1.5%	2021-2030
1.4%	1.8%	1.4%	2031-2040
0.9%	1.8%	1.2%	2041-2050

Taking into account the higher economic growth registered in Bulgaria in the 2014 – 2018 period, when compared with the realistic growth from the Strategy, the forecast for the base 2018 has been updated and the reported growth by the NSI for 2019 of 3.4%. The European Commission forecasts that as a result of the COVID-19 pandemic, the Bulgarian economy will contract by 7.2% in 2020, and there will be an expected sharp recovery in 2021 with a growth rate of 6%. For the period between 2022 and 2034, a realistic forecast for a real GDP growth was adopted, as it is forecasted in the Integrated Transport Strategy for the Period Until 2030:

- 1.5% annual growth in the 2022 – 2030 period
- 1.4% annual growth from 2031 to 2034

A 11.22% growth is expected in 2027 compared to 2018 and respectively – 22.95% growth in 2034 compared to 2018.

According to the Food and Agriculture Organization of the United Nations - (FAO), the demand for food products will most probably increase a lot in the future, since the world's population, as well as the average income per capita, is growing. The global demand for oilseeds and cereals, which are the main agricultural products exported from Bulgaria, is growing fast. The development of the Bulgarian exports of agricultural products depends on the investments made in the sector.

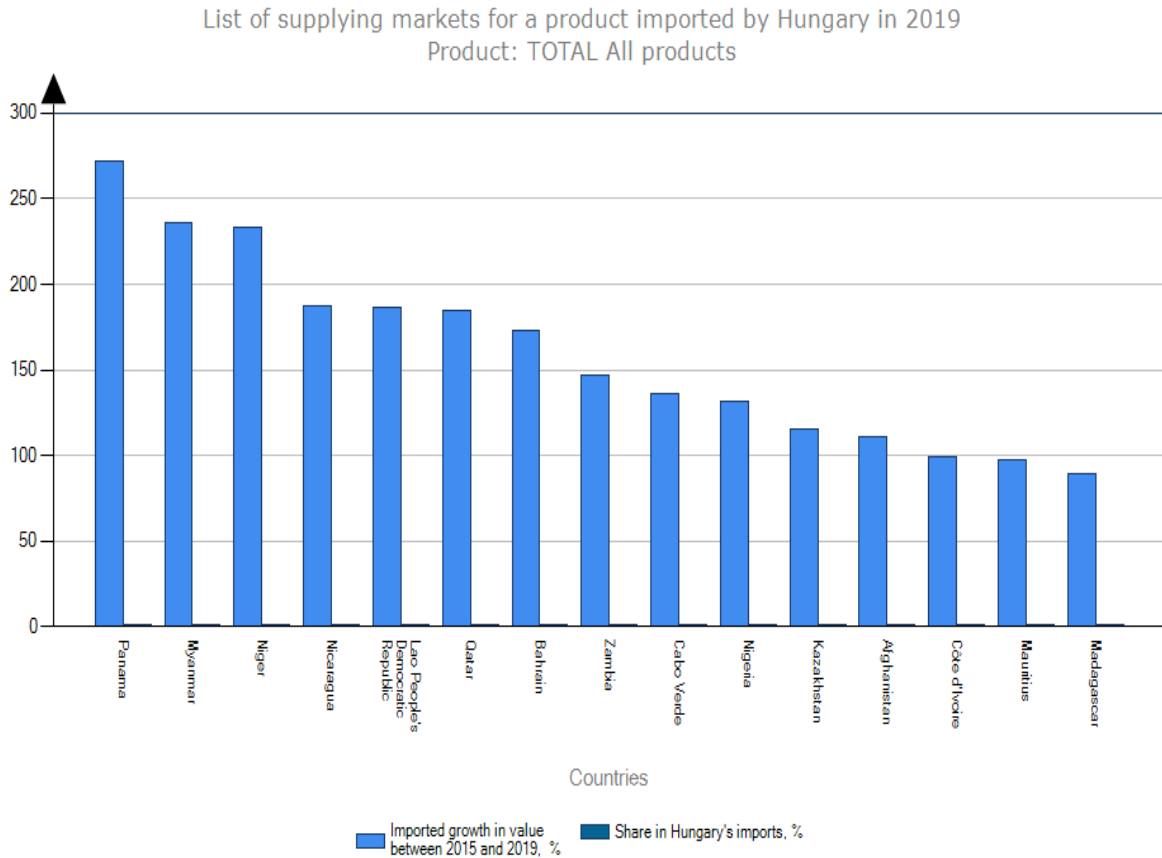
Future demand for liquid fuels may decline due to the depletion of fossil fuel sources worldwide and the technological changes that create alternative energy sources. There is too much ambiguity in that regard when it comes to the extent to which these forecasts are justified and in order to achieve a reasonable forecast on the hydrocarbon quantities, it is important to keep in mind that current relations may not last in the near future.

The range of cargoes, which are transported in containers, is constantly increasing, since even products, such as dry bulk cargo and automobiles, are sometimes transported in containers.

## **Hungary**



**Figure 35: Top imported growth rate in value between 2015-2019 and the share in Hungary's import**



Source:

[https://www.trademap.org/Country\\_SelProductCountry\\_Graph.aspx?nvpm=1%7c348%7c%7c%7cTOTAL%7c%7c%7c2%7c1%7c1%7c1%7c1%7c2%7c1%7c1%7c2](https://www.trademap.org/Country_SelProductCountry_Graph.aspx?nvpm=1%7c348%7c%7c%7cTOTAL%7c%7c%7c2%7c1%7c1%7c1%7c1%7c2%7c1%7c1%7c2)

## Romania

In the following the NTM – National Transport Model forecasts for 2040 will be presented, for all goods by land transport mode.

### Imports from DR Countries

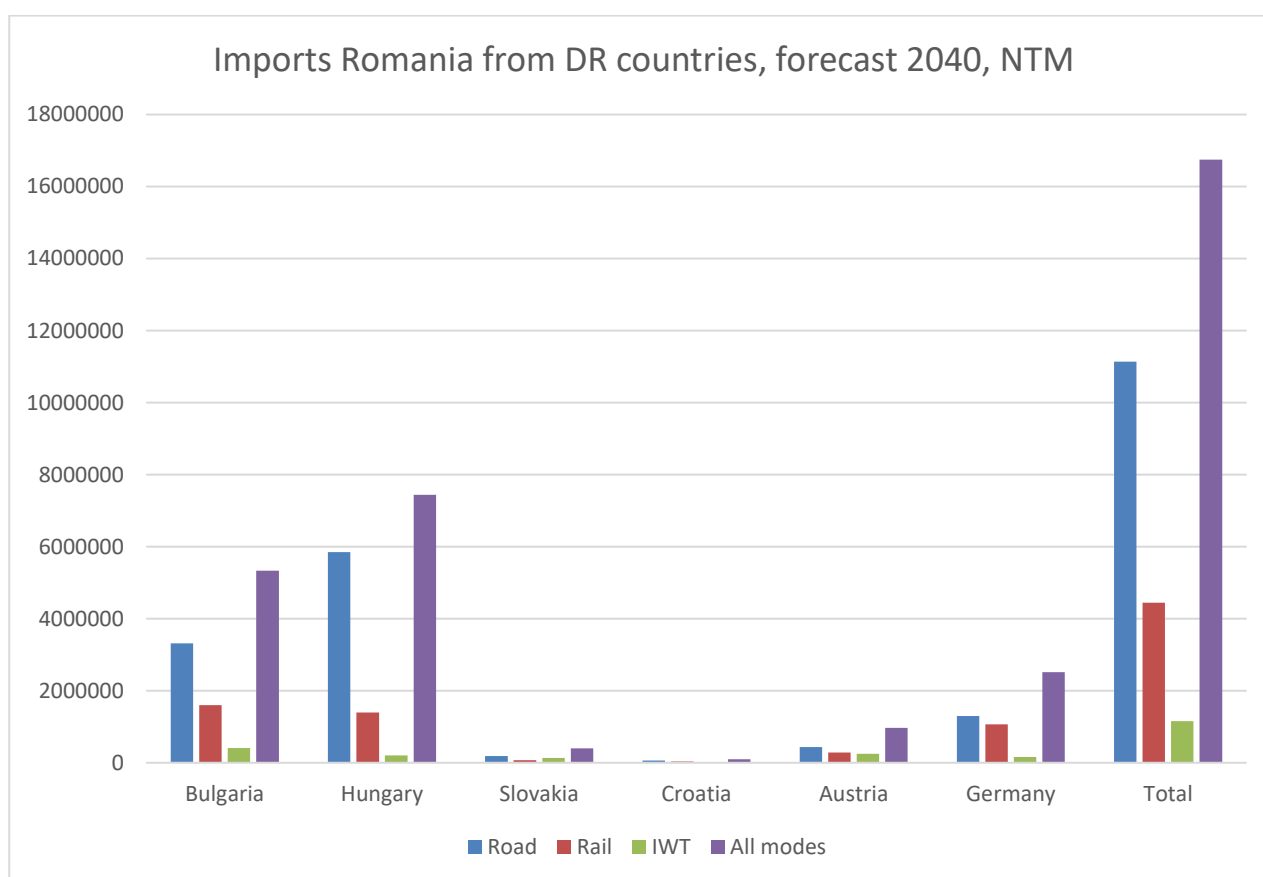
**Table 108: Imports All goods 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	72821	123680	9892	0	20626	62966	289985
	Rail	33726	38070	2800	0	7629	32569	114793
	IWT	0	11439	825	0	2931	5493	20688
	<b>All modes</b>	<b>106547</b>	<b>173189</b>	<b>13516</b>	<b>0</b>	<b>31186</b>	<b>101028</b>	<b>425466</b>
<b>2 South East</b>	Road	1242464	113252	48144	35339	114971	113037	1667207
	Rail	854425	61214	31251	33887	63557	93557	1137891
	IWT	370428	59780	124757	0	208758	93477	857199
	<b>All modes</b>	<b>2467316</b>	<b>234246</b>	<b>204152</b>	<b>69226</b>	<b>387287</b>	<b>300070</b>	<b>3662297</b>
<b>3 South Muntenia</b>	Road	519680	251233	14549	2256	37354	135156	960227
	Rail	238652	94294	4103	1398	21623	98028	458097
	IWT	2840	37967	5482	0	14531	22995	83815
	<b>All modes</b>	<b>761171</b>	<b>383495</b>	<b>24134</b>	<b>3654</b>	<b>73507</b>	<b>256179</b>	<b>1502139</b>
<b>4 South West Oltenia</b>	Road	181500	150928	10315	3464	12863	42428	401496
	Rail	72219	36880	2358	1559	4329	18626	135970
	IWT	34719	19604	4000	0	6482	5490	70295
	<b>All modes</b>	<b>288438</b>	<b>207411</b>	<b>16673</b>	<b>5022</b>	<b>23674</b>	<b>66543</b>	<b>607762</b>
<b>5 West</b>	Road	156289	1589557	5369	2672	76263	379815	2209966
	Rail	55064	440756	902	0	97940	463211	1057872
	IWT	4081	3701	398	0	6964	6143	21287
	<b>All modes</b>	<b>215434</b>	<b>2034014</b>	<b>6669</b>	<b>2672</b>	<b>181168</b>	<b>849169</b>	<b>3289125</b>
<b>6 North West</b>	Road	58816	2612451	68554	4143	69671	235640	3049276
	Rail	18367	454206	19772	1186	60849	256413	810793
	IWT	606	0	0	0	0	0	606
	<b>All modes</b>	<b>77789</b>	<b>3066657</b>	<b>88326</b>	<b>5329</b>	<b>130520</b>	<b>492053</b>	<b>3860674</b>
<b>7 Center</b>	Road	83665	708604	26192	7906	66138	206134	1098639
	Rail	26696	204214	6847	730	19648	67419	325554
	IWT	0	14939	478	0	3676	4026	23119
	<b>All modes</b>	<b>110361</b>	<b>927757</b>	<b>33518</b>	<b>8636</b>	<b>89462</b>	<b>277579</b>	<b>1447313</b>
<b>8 Bucharest Ilfov</b>	Road	1001370	299030	6139	2858	34675	120213	1464285
	Rail	301209	62492	1354	1051	7807	33303	407216
	IWT	0	54363	1161	0	6884	18075	80483

	All modes	1302579	415885	8654	3909	49366	171590	1951984
<b>All regions</b>	Road	3316605	5848734	189154	58637	432562	1295389	11141081
	Rail	1600357	1392125	69387	39811	283382	1063125	4448186
	IWT	412673	201794	137101	0	250226	155698	1157492
	<b>All modes</b>	<b>5329635</b>	<b>7442653</b>	<b>395642</b>	<b>98448</b>	<b>966170</b>	<b>2514211</b>	<b>16746758</b>

The plot below shows the distribution of imports by DR country and transport mode.

**Figure 36: Imports Romania from DR countries, forecast 2040, NTM**



It is observed that IWT counts for 1.16 mln tonnes per year, rail for 4.45 and road for 11.14 million tonnes per year for imports from the 6 DR countries considered.

### Exports to DR Countries

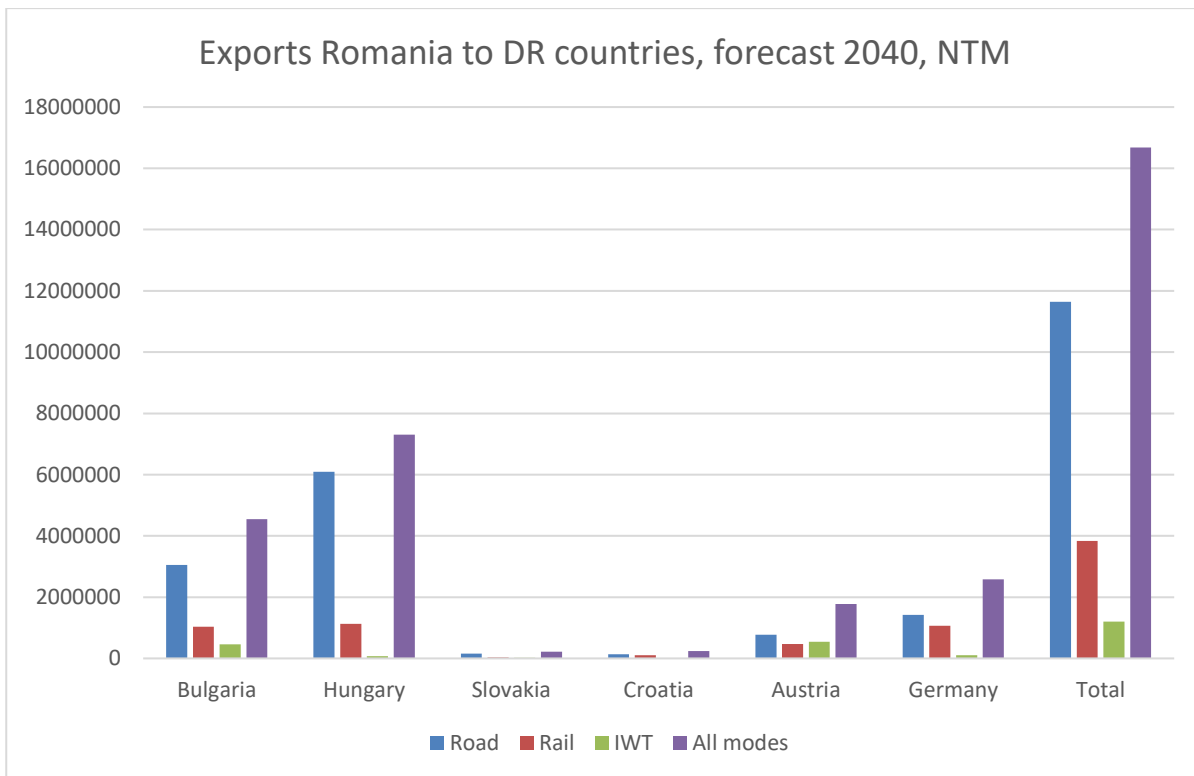
**Table 109: Exports All goods 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	69868	132539	10556	0	22685	66091	301738
	Rail	19509	27988	1424	0	7351	23225	79497
	IWT	0	4792	369	0	913	1150	7223
	<b>All modes</b>	<b>89378</b>	<b>165319</b>	<b>12348</b>	<b>0</b>	<b>30948</b>	<b>90465</b>	<b>388459</b>
2 South East	Road	1030183	91349	10676	99244	333183	96842	1661476
	Rail	621431	55984	6946	89556	216591	117716	1108224
	IWT	312126	27981	16750	0	472113	81921	910890
	<b>All modes</b>	<b>1963740</b>	<b>175313</b>	<b>34372</b>	<b>188800</b>	<b>1021887</b>	<b>296479</b>	<b>3680591</b>
3 South Muntenia	Road	403161	243787	12888	807	29729	105595	795966
	Rail	112887	50538	1497	77	11052	51166	227216
	IWT	847	14516	850	0	2708	3245	22166
	<b>All modes</b>	<b>516895</b>	<b>308841</b>	<b>15235</b>	<b>883</b>	<b>43490</b>	<b>160005</b>	<b>1045349</b>
4 South West Oltenia	Road	274312	156684	12056	21181	78661	45753	588646
	Rail	111088	23940	2343	12666	27397	13104	190537
	IWT	149373	9169	2796	0	65368	11432	238137
	<b>All modes</b>	<b>534772</b>	<b>189793</b>	<b>17195</b>	<b>33846</b>	<b>171426</b>	<b>70288</b>	<b>1017321</b>
5 West	Road	151504	1685150	5296	2256	102547	486545	2433298
	Rail	33365	387827	577	0	126640	566002	1114411
	IWT	358	1048	7	0	442	339	2194
	<b>All modes</b>	<b>185227</b>	<b>2074025</b>	<b>5880</b>	<b>2256</b>	<b>229629</b>	<b>1052886</b>	<b>3549902</b>
6 North West	Road	60670	2765769	75803	4128	102331	300607	3309309
	Rail	19345	425444	16958	956	59272	234148	756123
	IWT	263	0	0	0	0	0	263
	<b>All modes</b>	<b>80278</b>	<b>3191213</b>	<b>92761</b>	<b>5084</b>	<b>161604</b>	<b>534754</b>	<b>4065695</b>
7 Center	Road	86804	719579	27547	8661	68792	204152	1115535
	Rail	20338	132886	4442	485	13662	52735	224548
	IWT	0	6508	208	0	1559	1128	9402
	<b>All modes</b>	<b>107142</b>	<b>858973</b>	<b>32197</b>	<b>9147</b>	<b>84012</b>	<b>258015</b>	<b>1349485</b>
8 Bucharest Ilfov	Road	977499	300570	6096	2646	33325	111467	1431603
	Rail	93889	29131	894	252	3281	10684	138131
	IWT	0	8607	157	0	449	1175	10388
	<b>All modes</b>	<b>1071388</b>	<b>338308</b>	<b>7147</b>	<b>2898</b>	<b>37055</b>	<b>123326</b>	<b>1580122</b>
All regions	Road	3054002	6095427	160918	138923	771252	1417050	11637572
	Rail	1031851	1133737	35080	103992	465247	1068778	3838687
	IWT	462966	72620	21137	0	543551	100390	1200664
	<b>All modes</b>	<b>4548820</b>	<b>7301785</b>	<b>217135</b>	<b>242915</b>	<b>1780050</b>	<b>2586218</b>	<b>16676923</b>



The plot below shows the distribution of imports by DR country and transport mode.

**Figure 37: Exports Romania to DR countries, forecast 2040, NTM**



It is observed that IWT counts for 1.20 million tonnes, rail for 3.84 and road for 11.64 million tonnes per year for imports from the 6 DR countries considered.

for exports to the 6 DR countries considered.

## 7.2 Description of the main cargo transport corridors by main routes, transport modes and goods for each time horizon

### Bulgaria

Mainly the European corridors, which pass through Bulgaria, will be developed and modernized throughout the period.

There are plans to implement infrastructure projects in the transport sector before 2025, in accordance with the following table:

**Table 110: Projects related to the transport infrastructure before 2025 (mln. BGN)**

Railway	Number	Value
Modernizing railways	3	1.244
Restoration of railways	2	1.215
<b>Overall:</b>	<b>5</b>	<b>2.459</b>
Road transport		
Motorways	1	2.658
First-class roads	4	265
<b>Overall:</b>	<b>5</b>	<b>2.923</b>
Water transport		
Intermodal terminal	1	520
<b>Aggregate investments in transport:</b>	<b>11</b>	<b>5.902</b>

There are plans to implement infrastructure projects in the transport sector before 2040, in accordance with the following table.

**Table 111: Projects related to the transport infrastructure before 2040 (mln. BGN)**

Railway	Number	Value
Modernizing railways	7	9,840
Development of railways	1	419
<b>Overall:</b>	<b>8</b>	<b>10,259</b>
Road transport		
New bridges on the Danube	4	1,250
Water transport		
New infrastructure	1	220
<b>Aggregate investments in transport:</b>	<b>13</b>	<b>11,729</b>

- Transport modes

The aim for the future will be to have the highest degree of integrated transportation, both international, as well as local. For the 2025 forecast, it is generally accepted that the level of redirection from road to combined transport will be around the average for the 2030-2040 period. The results from that forecast for the goods, which will potentially be transferred from road to combined transport, when there are favourable conditions for that, are summarized in the next three tables.

**Table 112: Forecast for 2025 for goods, which will potentially be transferred to combined transport, thousand tones**

Group of goods	Economic sector	Local	Import	Export	Transit
1	Food industry	0,8	348	359	94
6	Extraction and production of non-metallic and construction minerals	2,5	25	24	30
8	Chemical industry	0	148	115	385
9	Other industries	2	177	275	995
	<b>Overall</b>	<b>5,3</b>	<b>698</b>	<b>773</b>	<b>1 494</b>

**Table 113: Forecast for 2030 for goods, which will potentially be transferred to combined transport, thousand tones**

Group of goods	Economic sector	Local	Import	Export	Transit
1	Food industry	2	500	480	130
6	Extraction and production of non-metallic and construction minerals	4	41	38	47
8	Chemical industry	1	285	290	900
9	Other industries	4	350	500	1 700
	<b>Overall</b>	<b>11</b>	<b>1 176</b>	<b>1 308</b>	<b>2 777</b>

**Table 114: Forecast for 2040 for the goods, which will potentially be transferred to combined transport, thousand tonnes**

Group of goods	Economic sector	Local	Import	Export	Transit
1	Food industry	5	1 050	975	265
6	Extraction and production of non-metallic and construction minerals	9	85	77	100
8	Chemical industry	1,5	575	585	1 830

9	Other industries	7,5	715	1 010	3 480
	<b>Overall</b>	<b>23</b>	<b>2 425</b>	<b>2 647</b>	<b>5 675</b>

The summarised results of the forecasts for the combined transport are shown in the following table.

**Table 115: Summarised forecast**

Type of transport	2025	2030	2040
Combined	1,000	1,240	1,330
Sea	3,500	3,790	4,000
Transfer to combined	2,970	5,272	10,770
<b>Overall:</b>	<b>7,470</b>	<b>10,302</b>	<b>16,100</b>

- Category of goods

- The energy transition is expected to continue to have an important effect on the transport volume in inland navigation. This applies in particular to coal.
- The liquid mineral petroleum products will continue to be an important component of the shipping volumes on the inland waterways, but there is a constant decrease in some regions.
- It is expected that there will be a stagnation or even a decrease in the transportation of iron ore in Western Europe.
- As far as the Danube region is concerned, the manufacturing of steel is expected to increase further.
- The perspectives for chemicals in Europe are positive and their transportation will grow at a relatively high rate.
- A certain level of regionalization is expected of the production, as well as change in the consumer habits towards agricultural and food products, which would decrease their transportation over long distances.
- A further slowdown in world trade is expected to affect the growth rates of containerized cargo transportation, although the national container transport in some Western European countries is expected to be very dynamic.
- Based on these findings, employment in the non-liquid cargo sector may develop more slowly.

The forecasts by types of goods were made under the assumption that transit cargo from Bulgarian ports to Bulgaria's neighbouring countries will not increase.

The forecasts of packaged commodities, which can be transported in containers, are made based on the assumptions that the level of containerisation, which is 48% in 2013, will become 60% in 2030

and will remain at that level until the end of the forecast period and the share of packaged commodities, which can be transported in containers, handled in sea ports, is 33.5%.

The forecasts of the packaged commodities, which can be transported in containers, are shown in the table below.

**Table 116: Forecasts for the packaged commodities, which can be transported in containers**

	2009	2014	2020	2027	2034	2044	2047	2050
	422 887	453 587	497 884	496 163	532 276	548 819	551 342	553 865
Burgas	308 825	365 038	398 201	393 822	419 077	429 778	431 142	432 506
Varna	28 638	18 018	18 731	17 403	17 236	18 197	18 484	18 772
Ruse	21 238	16 435	19 254	20 652	23 818	24 051	23 921	23 790
Lom/Vidin	781 588	853 078	934 069	928 040	992 407	1 020 845	1 024 889	1 028 934

Source: Project “Development of a concept for the development of Bulgarian ports for public transport with national importance based on the expected freight throughput”, MTBS and INFRA CARE, 2014

### Bulk cereals

The methodology used for forecasting the freight turnover of bulk cereals handled in the Bulgarian ports is the following:

- The quantities of bulk cereals handled in the Bulgarian ports only include export of Bulgarian production.
- The demand worldwide of cereals and oil seeds increases. These are also the basic Bulgarian exports. The export rate depends primarily on the quantities that Bulgaria manages to produce and the local consumption of these products.
- The total export growth is determined by subtracting the growth of domestic consumption from the yield of the agricultural products.

According to the statistics of the Food and Agriculture Organization, the Bulgarian exports of bulk agricultural products include mainly cereals (wheat, barley, maize) and oil seeds (sunflower seed and rape seed). The exports of other bulk agricultural products are negligible, therefore the forecast for freight turnover is made only for cereals and oil seeds.

Most of the products, which are imported, are of the type normally transported as packaged commodities or in containers (rice, dairy products, fruit etc.).

**Table 117: Forecast for the freight turnover of bulk cereals by ports**

	2014	2020	2027	2034	2044	2047	2050
Burgas	674 628	1 311 510	1 860 288	2 232 648	2 479 003	2 483 909	2 496 992
Varna	3 279 114	4 884 630	5 184 371	5 660 605	6 285 207	6 297 646	6 330 817

Ruse	267 616	453 965	516 133	578 306	642 116	643 387	646 776
Lom/Vidin	194 291	360 338	409 684	459 034	509 685	510 693	513 383
Total	4 415 648	7 010 443	7 970 476	8 930 593	9 916 011	9 935 636	9 987 970

Source: Project "Development of a concept for the development of Bulgarian ports for public transport with national importance based on the expected freight throughput", MTBS and INFRA CARE, 2014

The table above table contains the forecast for the freight throughput. The data leads to the conclusion that:

- The freight turnover will significantly grow by the year 2030. This is due to the investments and the benefits from the consolidation of agricultural land.
- For both the port of Lom/Vidin and the port of Ruse, the bulk cereals may become an important factor for the increase of the freight throughput.

Varna remains the biggest port for the export of bulk agricultural products despite the investments made in the port of Burgas. Port Burgas however gains a certain market share in the first ten years.

### **Bulk commodities - copper ores and concentrates**

The analysis is made on the basis of the assumption that all ores and concentrates, handled at the ports, are copper ores. This is due to the fact, as evidenced by the economic analysis, that the stocks of other ores are too small for a significant permanent export.

It is assumed that all concentrates are transported through the port of Burgas.

The methodology for the forecast for freight turnover of ores and concentrates (mainly ores) is explained in detail hereinafter and it contains export and import forecasts.

#### Export

- The demand for ores and derived products gradually increases, in parallel with the growth in the developing economies. Therefore, the handled quantities depend on the production capacity.
- The annual production growth is based on the development of the production by years as indicated in the economic analysis.
- To determine the quantity of exports, the growth of domestic consumption has been determined.
- The obtained quantities of ores for export are converted into the corresponding quantities of concentrates for export.

#### Import

- The import of copper ore depends on the rate of growth of the consumption in Bulgaria.
- The data of the import by years was extrapolated in accordance with the rate of growth of consumption in order to obtain the forecast for the import of concentrates for the port of Burgas.

In the next table is presented the forecast for the freight turnover in respect of copper concentrate export. The following conclusions can be made:

- The role of Varna port remains limited and may be reduced to zero over the next 5 years.

- The export from Burgas port will continue to increase until the final depletion of the usable stocks in 2025.

**Table 118: Copper concentrates, forecast of the export through the Bulgarian ports (tonnes)**

	2013	2014	2020	2025	2027	3034	2044	2047	2050
Burgas	764 157	526 986	584 122	582 407	0	0	0	0	0
Varna	6 071	58 554	0	0	0	0	0	0	0
<b>Total</b>	<b>770 228</b>	<b>585 539</b>	<b>584 122</b>	<b>582 407</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Source: Project "Development of a concept for the development of Bulgarian ports for public transport with national importance based on the expected freight throughput", MTBS and INFRA CARE, 2014

The forecast of the import of copper concentrates through the port of Burgas is presented in the table below. The following conclusions can be made:

- According to the assumptions Varna port does not play any role here.
- The quantities of handled import commodities continue to grow over the years, reaching 1,2 million tonnes.

**Table 119: Copper concentrates, forecast of the import through the Bulgarian ports (tonnes)**

	2013	2014	2020	2027	2034	2044	2047	2050
Burgas	966 648	672 357	777 650	954 468	1 134 137	1 213 634	1 231 624	1 249 614

Source: Project "Development of a concept for the development of Bulgarian ports for public transport with national importance based on the expected freight throughput", MTBS and INFRA CARE, 2014, and own calculations.

### Bulk commodities - coal

The assumptions are as follows:

- The quantities in the forecast are only from import. The coal, mined from local deposits, is used for domestic production.
- The forecast of the coal import through the Bulgarian ports is prepared on the basis of the forecast of the National Energy Strategy of the Ministry of Economy and Energy for the national energy output in Bulgaria. The proportion of import coal for the production of this energy leads to the forecast for the coal imported through the Bulgarian ports.
- The assumptions about the market shares of the ports in the freight turnover of coal, referred to in the comparative analysis, are also used for the preparation of the forecast for freight turnover in ports.

According to the National Energy Strategy, the share of imported coal used in the total energy production at the moment is 16%, while the share of local coal is 53 %. Meanwhile, the types of imported coal for the production of energy are the same as those mined in Bulgaria, i.e. lignite and brown coal. Having regard to the stated intentions to reduce the dependence on energy generated by



third countries and the large deposits of brown and lignite coal in Bulgaria the share of import coal in the total production will be reduced to 8% by the year 2030.

**Table 120: Forecast of the import freight turnover of coals (tonnes)**

	2009	2014	2020	2027	2034	2044	2047	2050
Burgas	119 225	128 493	92 909	72 850	16 541	26 932	34 372	41 812
Varna	2 196 181	2 366 905	1 711 437	1 341 939	916 506	572 578	480 191	387 805
Ruse	64 544	695 615	502 978	394 386	269 354	168 277	141 125	113 974
Lom/Vidin	543 538	58 579	423 567	332 120	226 828	141 709	118 844	95 979
Total	2 923 488	3 249 592	2 730 891	2 141 295	1 429 229	909 495	774 532	639 569

Source: Project “Development of a concept for the development of Bulgarian ports for public transport with national importance based on the expected freight throughput”, MTBS and INFRA CARE, 2014, and own calculations.

### Other bulk commodities

Other bulk commodities are mainly cement, fertilisers, chemicals and inert materials.

On the basis of the GDP growth and the factor, obtained from the dependence between the GDP by years and the data of quantities handled, a forecast for freight turnover of other bulk commodities from import and export has been made.

The comparison between the data of the growth of the total quantities of other bulk commodities from the statistics of the Maritime Administration Executive Agency (MAEA) and the growth of the Bulgarian GDP by years leads to an elasticity coefficient 1.5 in relation to the GDP.

It is assumed that the market shares in the freight turnover of other bulk commodities in the ports remain the same, because all these products (commodities) are intended for or come from specific industries located nearby such as: fertilisers in the port of Varna, because in close proximity there are plants for the production of chemical fertilizers; other chemical products in the port of Varna, because in close proximity there are chemical plants; cement in the port of Varna; inert materials in the port of Ruse; various small volumes of bulk commodities in the port of Lom/Vidin.

The table below shows the forecast of freight turnover of other bulk commodities. Varna is the port with the largest freight turnover of other bulk commodities because of the handled quantities of cement, chemicals and fertilisers. The port of Ruse also handles serious amounts of other bulk commodities, mainly inert materials. The quantities of other bulk commodities in the ports of Burgas and Lom/Vidin are relatively small.

**Table 121: Forecast of the freight turnover of bulk commodities by ports (tonnes)**

	2014	2020	2027	2034	2044	2047	2050
Burgas	113 618	155 718	170 190	193 511	218 979	222 210	225 441



Varna	2 222 895	3 395 770	3 711 356	4 219 920	4 775 314	4 845 774	4 916 234
Ruse	513 127	554 577	606 117	689 172	779 876	791 384	802 891
Lom/Vidin	42 595	83 575	91 342	103 858	117 527	119 261	120 995
Total	2 892 235	4 189 640	4 579 004	5 206 461	5 891 697	5 978 629	6 065 561

Source: Project “Development of a concept for the development of Bulgarian ports for public transport with national importance based on the expected freight throughput”, MTBS and INFRA CARE, 2014, and own calculations.

### Packaged commodities, which cannot be transported in containers - metals, sulphuric acid and machines

Metals and metal products, sulfuric acid and machines are included to the freight that may not be transported in containers. With regard to the export of metals and metal products, the data for the production of metal and metal products for export by years are extrapolated in accordance with the percentage of growth in imports of copper concentrates. Copper is one of the largest quantities of copper products and for the other types of metal products it is assumed that they have a similar dynamics.

The import of metals and metal products consists mainly of steel products, because such products are generally not produced in Bulgaria any longer. Again, it is assumed that the dynamics will be the same as with the copper products, so the assumed percentage of growth is the same.

The export of sulfuric acid is carried out mainly by “Aurubis - Bulgaria”. The sulfuric acid is a secondary product in the production of copper. The quantities of sulphuric acid produced by “Aurubis” are bound proportionally to the quantities of copper concentrate, which the company imports for the implementation of the production process.

In the imports of machinery there is a specific elasticity factor in relation to the GDP growth. In this way the quantities of handled machines by years are extrapolated according to the forecast and the respective elasticity factor of the GDP growth.

### Forecasts of the processed metals and metal products

The forecast for the import of metals is presented below. In both ports the processed commodities increase significantly.

**Table 122: Forecast of the import of metals by ports**

	2014	2020	2027	2034	2044	2047	2050
Burgas	651698	753756	938 551	1 106 748	1 184 325	1 201 881	1 207 732
Ruse	39452	45630	56 818	67 000	71 696	72 758	73 113
Total	691 150	799 386	995 368	1 173 748	1 256 021	1 274 639	1 280 845

Source: Project “Development of a concept for the development of Bulgarian ports for public transport with national importance on the expected freight throughput”, MTBS and INFRA CARE, 2014, and own calculations.

The table below presents the forecast for the export of metals and metal products. For both ports the quantities of handled commodities increase significantly.

**Table 123: Forecast of the cargo turnover for the export of metals and other metal products by ports**

	2014	2020	2027	2034	2044	2047	2050
Burgas	454 425	520 054	630 849	743 268	793 002	804 256	808 007
Varna	62 978	73 087	89 479	106 299	113 750	115 436	115 998
Total	517 403	593 141	720 328	849 567	906 752	919 692	924 005

Source: Project “Development of a concept for the development of Bulgarian ports for public transport with national importance based on the expected freight throughput”, MTBS and INFRA CARE, 2014, and own calculations.

## Forecasts of the export of sulphuric acid

**Table 124: Forecast of the export of sulphuric acid by ports**

	2014	2020	2027	2034	2044	2047	2050
Burgas	0	527 328	587 819	680 717	802 759	814 604	818 552
Varna	911 858	527 328	587 819	680 717	802 759	814 604	818 552
Total	911 858	1 054 656	1 175 637	1 361 435	1 605 517	1 629 208	1 637 104

Source: Project “Development of a concept for the development of Bulgarian ports for public transport with national importance based on the expected freight throughput”, MTBS and INFRA CARE, 2014, and own calculations.

## Forecasts of the imports of machinery

**Table 125: Forecast of the freight turnover in the import of machines by ports**

	2014	2020	2027	2034	2044	2045	2047	2050
Burgas	663 552	740 307	879 287	1 004 528	1 067 274	1 072 547	1 083 094	1 088 367
Ruse	328386	366372	435 151	497 133	528 185	530 795	536 015	538 624
Total	991 938	1 106 679	1 314 438	1 501 661	1 595 459	1 603 342	1 619 108	1 626 992

Source: Project “Development of a concept for the development of Bulgarian ports for public transport with national importance based on the expected freight throughput”, MTBS and INFRA CARE, 2014, and own calculations.

## Liquid fuels

### Methodology and basic assumptions

The methodology for the forecast of the freight turnover of liquid fuels is based on determining the demand for liquid fuels on the basis of the forecast for the existing motorised vehicles in Bulgaria and the consumption of fuel by the motorised vehicles.

The results from the forecasts of the consumption of liquid fuels are provided in table below. The port of Burgas reaches general quantities of 13.8 million tonnes in 2030, and after that the freight turnover remains the same. The port of Varna remains a small player on the Bulgarian market.

**Table 126: Liquid fuels handled in the Bulgarian ports (tonnes)**

	2014	2020	2027	2034	2044	2047	2050
Burgas	10 621 270	12 570 921	13 469 512	13 830 915	13 830 915	13 830 915	13 830 915
Varna	381 610	451 659	483 944	496 929	496 929	496 929	496 929
Total	11 002 880	13 022 580	13 953 456	14 327 844	14 327 844	14 327 844	14 327 844

Source: Project “Development of a concept for the development of Bulgarian ports for public transport with national importance based on the expected freight throughput”, MTBS and INFRA CARE, 2014, and own calculations.

## **Romania**

### **Imports from DR Countries**

In the following the imports from DR countries by land modes, NTM 2040, are presented.

**Table 127: Imports 0 Agricultural products 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	2639	3395	1095	0	861	2252	10242
	Rail	931	945	226	0	277	661	3040
	IWT	0	277	88	0	124	124	613
	<b>All modes</b>	<b>3570</b>	<b>4617</b>	<b>1409</b>	<b>0</b>	<b>1263</b>	<b>3037</b>	<b>13896</b>
2 South East	Road	69795	3482	332	376	1434	3621	79041
	Rail	22433	1500	183	259	672	2712	27758
	IWT	27561	1215	675	0	1511	1478	32441
	<b>All modes</b>	<b>119789</b>	<b>6198</b>	<b>1190</b>	<b>635</b>	<b>3617</b>	<b>7811</b>	<b>139240</b>
3 South Muntenia	Road	11476	13815	548	37	518	1475	27868
	Rail	3723	4245	142	26	263	858	9256
	IWT	0	2029	153	0	212	270	2665
	<b>All modes</b>	<b>15199</b>	<b>20090</b>	<b>843</b>	<b>62</b>	<b>993</b>	<b>2602</b>	<b>39789</b>
4 South West Oltenia	Road	9300	9789	591	186	1011	1716	22594
	Rail	3756	2387	164	88	201	566	7161
	IWT	4990	1358	485	0	617	329	7778
	<b>All modes</b>	<b>18046</b>	<b>13534</b>	<b>1241</b>	<b>274</b>	<b>1829</b>	<b>2610</b>	<b>37533</b>
5 West	Road	7483	89352	131	0	1515	9961	108442
	Rail	2537	18717	26	0	876	6300	28455
	IWT	0	215	4	0	106	226	551
	<b>All modes</b>	<b>10019</b>	<b>108285</b>	<b>161</b>	<b>0</b>	<b>2497</b>	<b>16487</b>	<b>137448</b>
6 North West	Road	2836	109172	1361	420	5256	6037	125082
	Rail	872	19126	350	131	1723	3449	25652
	IWT	29	0	0	0	0	0	29
	<b>All modes</b>	<b>3738</b>	<b>128298</b>	<b>1712</b>	<b>551</b>	<b>6979</b>	<b>9486</b>	<b>150763</b>
7 Center	Road	4617	33554	2070	580	2887	12206	55914
	Rail	1456	9559	548	172	843	4931	17509
	IWT	0	821	77	0	204	252	1354
	<b>All modes</b>	<b>6074</b>	<b>43935</b>	<b>2694</b>	<b>752</b>	<b>3935</b>	<b>17389</b>	<b>74778</b>
8 Bucharest Ilfov	Road	37383	14195	781	0	1504	6957	60820
	Rail	11224	2770	172	0	266	1555	15987
	IWT	0	2537	150	0	285	975	3946
	<b>All modes</b>	<b>48607</b>	<b>19502</b>	<b>1102</b>	<b>0</b>	<b>2055</b>	<b>9486</b>	<b>80753</b>
All regions	Road	366106	7041	1599	16502	54184	598443	491030
	Rail	77968	1836	675	5997	27331	163275	135331
	IWT	8669	1635	0	3165	3880	49928	49034
	<b>All modes</b>	<b>452742</b>	<b>10512</b>	<b>2274</b>	<b>25663</b>	<b>85395</b>	<b>811647</b>	<b>675395</b>

**Table 128: Imports 1 Foodstuffs 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	6420	9815	380	0	799	4187	21601
	Rail	2139	2456	106	0	263	1591	6555
	IWT	0	803	26	0	117	332	1278
	<b>All modes</b>	<b>8559</b>	<b>13074</b>	<b>511</b>	<b>0</b>	<b>1179</b>	<b>6110</b>	<b>29434</b>
2 South East	Road	20973	4322	113	142	756	3657	29963
	Rail	5971	1321	22	66	142	1168	8691
	IWT	774	1051	26	0	142	986	2978
	<b>All modes</b>	<b>27718</b>	<b>6694</b>	<b>161</b>	<b>208</b>	<b>1040</b>	<b>5811</b>	<b>41632</b>
3 South Muntenia	Road	36325	12144	1445	4	861	5457	56236
	Rail	12844	3997	307	0	405	3617	21170
	IWT	0	1924	354	0	219	777	3274
	<b>All modes</b>	<b>49169</b>	<b>18064</b>	<b>2106</b>	<b>4</b>	<b>1486</b>	<b>9851</b>	<b>80680</b>
4 South West Oltenia	Road	8260	11238	310	0	1467	5194	26470
	Rail	3526	2504	66	0	580	1748	8424
	IWT	33	1493	44	0	325	467	2362
	<b>All modes</b>	<b>11819</b>	<b>15235</b>	<b>420</b>	<b>0</b>	<b>2373</b>	<b>7410</b>	<b>37256</b>
5 West	Road	14308	98094	978	2446	2624	9888	128338
	Rail	4855	20944	135	0	993	5391	32317
	IWT	0	292	15	0	274	204	785
	<b>All modes</b>	<b>19163</b>	<b>119329</b>	<b>1128</b>	<b>2446</b>	<b>3891</b>	<b>15483</b>	<b>161440</b>
6 North West	Road	7110	196005	4603	263	6534	6267	220781
	Rail	2091	31908	723	84	2628	3453	40887
	IWT	77	0	0	0	0	0	77
	<b>All modes</b>	<b>9278</b>	<b>227913</b>	<b>5325</b>	<b>347</b>	<b>9162</b>	<b>9720</b>	<b>261745</b>
7 Center	Road	6924	43030	1876	369	6844	21853	80895
	Rail	2044	12009	464	110	1566	5300	21491
	IWT	0	1179	55	0	471	493	2197
	<b>All modes</b>	<b>8968</b>	<b>56217</b>	<b>2394</b>	<b>478</b>	<b>8880</b>	<b>27645</b>	<b>104583</b>
8 Bucharest Ilfov	Road	60364	28915	274	515	4592	13085	107744
	Rail	17911	5654	62	190	825	2942	27583
	IWT	0	5168	51	0	865	1854	7939
	<b>All modes</b>	<b>78274</b>	<b>39738</b>	<b>387</b>	<b>704</b>	<b>6282</b>	<b>17881</b>	<b>143266</b>
All regions	Road	174992	501656	10957	6183	27101	79475	800365
	Rail	56236	101736	2018	449	8395	30602	199436
	IWT	883	12202	584	0	2686	5318	21674
	<b>All modes</b>	<b>232111</b>	<b>615594</b>	<b>13560</b>	<b>6632</b>	<b>38183</b>	<b>115395</b>	<b>1021474</b>

Table 129: Imports 2 Solid Mineral Fuels 2040 NTM

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	500	591	0	0	0	0	1091
	Rail	343	62	0	0	0	0	405
	IWT	0	4	0	0	0	0	4
	<b>All modes</b>	<b>843</b>	<b>657</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1500</b>
2 South East	Road	179237	4161	8665	6727	20462	5931	225183
	Rail	150150	2920	6687	6661	10563	3960	180941
	IWT	54425	6990	26141	0	41435	12242	141233
	<b>All modes</b>	<b>383812</b>	<b>14071</b>	<b>41493</b>	<b>13388</b>	<b>72460</b>	<b>22134</b>	<b>547358</b>
3 South Muntenia	Road	28481	580	0	0	37	168	29266
	Rail	20936	256	0	0	26	153	21371
	IWT	0	84	0	0	11	51	146
	<b>All modes</b>	<b>49417</b>	<b>920</b>	<b>0</b>	<b>0</b>	<b>73</b>	<b>372</b>	<b>50782</b>
4 South West Oltenia	Road	920	967	4	4	628	2289	4811
	Rail	339	277	4	4	215	1175	2015
	IWT	299	150	22	0	139	241	850
	<b>All modes</b>	<b>1559</b>	<b>1394</b>	<b>29</b>	<b>7</b>	<b>982</b>	<b>3705</b>	<b>7676</b>
5 West	Road	0	24911	0	0	6439	37956	69306
	Rail	0	24659	0	0	13786	70825	109270
	IWT	0	66	0	0	7	62	135
	<b>All modes</b>	<b>0</b>	<b>49636</b>	<b>0</b>	<b>0</b>	<b>20232</b>	<b>108843</b>	<b>178711</b>
6 North West	Road	252	36821	1051	0	4022	22579	64725
	Rail	91	6424	215	0	8588	43055	58374
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>343</b>	<b>43245</b>	<b>1267</b>	<b>0</b>	<b>12611</b>	<b>65634</b>	<b>123100</b>
7 Center	Road	0	1044	0	0	18	1336	2398
	Rail	0	234	0	0	15	464	712
	IWT	0	22	0	0	0	26	47
	<b>All modes</b>	<b>0</b>	<b>1299</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>1825</b>	<b>3157</b>
8 Bucharest Ilfov	Road	1099	1000	0	0	0	0	2099
	Rail	336	204	0	0	0	0	540
	IWT	0	183	0	0	0	0	183
	<b>All modes</b>	<b>1434</b>	<b>1387</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2821</b>
All regions	Road	210488	94988	9720	6731	38044	108215	468186
	Rail	172196	59696	6906	6665	46979	190457	482899
	IWT	54724	7563	26163	0	41599	12684	142733
	<b>All modes</b>	<b>437409</b>	<b>162246</b>	<b>42789</b>	<b>13396</b>	<b>126622</b>	<b>311356</b>	<b>1093817</b>

**Table 130: Imports 3 Crude Oil 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2 South East</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>3 South Muntenia</b>	Road	10107	37	66	40	168	47	10465
	Rail	7362	11	26	26	69	26	7519
	IWT	0	11	84	0	117	33	245
	<b>All modes</b>	<b>17469</b>	<b>58</b>	<b>175</b>	<b>66</b>	<b>354</b>	<b>106</b>	<b>18228</b>
<b>4 South West Oltenia</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>5 West</b>	Road	0	7479	0	0	2529	12268	22276
	Rail	0	8435	0	0	5460	24342	38237
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>15914</b>	<b>0</b>	<b>0</b>	<b>7990</b>	<b>36610</b>	<b>60513</b>
<b>6 North West</b>	Road	0	9939	0	0	1661	8187	19787
	Rail	0	1584	0	0	3548	15673	20805
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>11523</b>	<b>0</b>	<b>0</b>	<b>5209</b>	<b>23860</b>	<b>40592</b>
<b>7 Center</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>8 Bucharest Ilfov</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>All regions</b>	Road	10107	24933	66	40	6888	32770	74803
	Rail	7362	18465	26	26	14538	64382	104799
	IWT	0	11	84	0	117	33	245
	<b>All modes</b>	<b>17469</b>	<b>43409</b>	<b>175</b>	<b>66</b>	<b>21542</b>	<b>97185</b>	<b>179846</b>



**Table 131: Imports 4 Ores, Metal Waste 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	7738	5738	653	0	1190	2402	17721
	Rail	9202	1566	175	0	380	664	11987
	IWT	0	496	44	0	172	161	872
	<b>All modes</b>	<b>16940</b>	<b>7800</b>	<b>872</b>	<b>0</b>	<b>1741</b>	<b>3227</b>	<b>30580</b>
2 South East	Road	613974	42763	34701	24028	81428	69770	866663
	Rail	521490	34208	22156	23929	46326	67492	715601
	IWT	253325	35073	89819	0	150792	66649	595658
	<b>All modes</b>	<b>1388789</b>	<b>112044</b>	<b>146675</b>	<b>47957</b>	<b>278546</b>	<b>203911</b>	<b>2177922</b>
3 South Muntenia	Road	22433	11279	748	0	551	2661	37672
	Rail	13450	3741	172	0	292	1347	19002
	IWT	0	1697	106	0	179	431	2413
	<b>All modes</b>	<b>35883</b>	<b>16717</b>	<b>1026</b>	<b>0</b>	<b>1022</b>	<b>4438</b>	<b>59086</b>
4 South West Oltenia	Road	11384	10202	555	0	584	3004	25729
	Rail	3778	2186	106	0	117	774	6961
	IWT	51	1343	73	0	226	310	2004
	<b>All modes</b>	<b>15213</b>	<b>13731</b>	<b>734</b>	<b>0</b>	<b>927</b>	<b>4088</b>	<b>34693</b>
5 West	Road	14498	113789	212	0	2610	14830	145938
	Rail	7939	24225	37	0	1949	10457	44607
	IWT	0	310	7	0	153	193	664
	<b>All modes</b>	<b>22437</b>	<b>138324</b>	<b>256</b>	<b>0</b>	<b>4712</b>	<b>25481</b>	<b>191209</b>
6 North West	Road	3913	153191	2095	529	2723	10176	172627
	Rail	1040	25057	489	131	1664	7253	35635
	IWT	37	0	0	0	0	0	37
	<b>All modes</b>	<b>4990</b>	<b>178248</b>	<b>2584</b>	<b>661</b>	<b>4387</b>	<b>17429</b>	<b>208298</b>
7 Center	Road	7899	47001	1716	748	3146	14480	74989
	Rail	2208	13107	438	179	781	3267	19980
	IWT	0	1095	37	0	172	266	1570
	<b>All modes</b>	<b>10107</b>	<b>61203</b>	<b>2190</b>	<b>927</b>	<b>4099</b>	<b>18013</b>	<b>96539</b>
8 Bucharest Ilfov	Road	54195	20101	471	0	1230	6862	82859
	Rail	13333	4092	102	0	219	1329	19075
	IWT	0	3701	88	0	234	923	4946
	<b>All modes</b>	<b>67529</b>	<b>27893</b>	<b>661</b>	<b>0</b>	<b>1683</b>	<b>9114</b>	<b>106879</b>
All regions	Road	750531	517851	41362	25305	96072	139014	1570135
	Rail	580379	132407	23710	24240	53677	103040	917453
	IWT	253412	44026	90181	0	152081	69127	608827
	<b>All modes</b>	<b>1584323</b>	<b>694285</b>	<b>155253</b>	<b>49545</b>	<b>301829</b>	<b>311181</b>	<b>3096415</b>

**Table 132: Imports 5 Metal Products 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	4245	14585	704	0	5705	18714	43953
	Rail	1387	8216	190	0	2862	15940	28594
	IWT	0	1880	47	0	964	2208	5099
	<b>All modes</b>	<b>5632</b>	<b>24681</b>	<b>942</b>	<b>0</b>	<b>9530</b>	<b>36861</b>	<b>77646</b>
2 South East	Road	15264	7523	204	350	2121	9873	35336
	Rail	3446	3982	37	153	1285	7669	16571
	IWT	453	2179	47	0	1540	3676	7895
	<b>All modes</b>	<b>19163</b>	<b>13684</b>	<b>288</b>	<b>504</b>	<b>4946</b>	<b>21217</b>	<b>59802</b>
3 South Muntenia	Road	26014	21929	861	40	4851	22488	76183
	Rail	10030	10968	204	22	3756	17436	42417
	IWT	0	4599	193	0	1978	5738	12509
	<b>All modes</b>	<b>36044</b>	<b>37496</b>	<b>1259</b>	<b>62</b>	<b>10585</b>	<b>45662</b>	<b>131108</b>
4 South West Oltenia	Road	13063	11348	584	4	1040	4756	30795
	Rail	4570	2489	113	4	347	1807	9329
	IWT	456	1442	110	0	372	475	2854
	<b>All modes</b>	<b>18089</b>	<b>15279</b>	<b>807</b>	<b>7</b>	<b>1759</b>	<b>7037</b>	<b>42979</b>
5 West	Road	13954	125571	223	0	5282	26211	171240
	Rail	4333	30835	40	0	5778	26189	67175
	IWT	4	332	7	0	266	361	971
	<b>All modes</b>	<b>18290</b>	<b>156738</b>	<b>270</b>	<b>0</b>	<b>11326</b>	<b>52761</b>	<b>239385</b>
6 North West	Road	4238	168769	2259	672	5256	19688	200881
	Rail	1128	28361	544	168	4354	18268	52823
	IWT	44	0	0	0	0	0	44
	<b>All modes</b>	<b>5409</b>	<b>197129</b>	<b>2803</b>	<b>840</b>	<b>9610</b>	<b>37956</b>	<b>253748</b>
7 Center	Road	8453	49848	1840	934	4146	17038	82260
	Rail	2365	13907	478	0	1029	3898	21677
	IWT	0	1186	40	0	234	343	1803
	<b>All modes</b>	<b>10819</b>	<b>64941</b>	<b>2358</b>	<b>934</b>	<b>5409</b>	<b>21280</b>	<b>105741</b>
8 Bucharest Ilfov	Road	60962	22663	500	0	2489	11618	98232
	Rail	17903	6398	110	0	1285	6176	31872
	IWT	0	4438	95	0	650	2234	7417
	<b>All modes</b>	<b>78866</b>	<b>33500</b>	<b>704</b>	<b>0</b>	<b>4424</b>	<b>20028</b>	<b>137521</b>
All regions	Road	160147	547807	7399	2000	36172	156596	910120
	Rail	49494	135992	1756	347	26473	123571	337632
	IWT	960	16389	548	0	6271	15396	39562
	<b>All modes</b>	<b>210601</b>	<b>700187</b>	<b>9702</b>	<b>2347</b>	<b>68916</b>	<b>295562</b>	<b>1287315</b>

**Table 133: Imports 6 Building Minerals & Materials 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	5774	10067	4479	0	3785	11060	35164
	Rail	2110	2858	1438	0	1059	3876	11341
	IWT	0	967	409	0	471	843	2690
	<b>All modes</b>	<b>7884</b>	<b>13892</b>	<b>6325</b>	<b>0</b>	<b>5314</b>	<b>15779</b>	<b>49195</b>
2 South East	Road	91035	5789	2902	2172	6388	4643	112927
	Rail	53786	2778	1767	2029	3478	3084	66923
	IWT	23791	3066	7045	0	11403	4194	49498
	<b>All modes</b>	<b>168612</b>	<b>11633</b>	<b>11713</b>	<b>4201</b>	<b>21269</b>	<b>11921</b>	<b>229348</b>
3 South Muntenia	Road	93787	42442	1482	464	15410	50713	204298
	Rail	35869	18648	529	325	9439	40957	105766
	IWT	1048	5928	1212	0	5252	6931	20371
	<b>All modes</b>	<b>130703</b>	<b>67018</b>	<b>3223</b>	<b>788</b>	<b>30102</b>	<b>98601</b>	<b>330435</b>
4 South West Oltenia	Road	18655	12702	1705	2613	1179	5114	41968
	Rail	7490	3825	321	1132	602	3267	16637
	IWT	628	1854	263	0	500	708	3953
	<b>All modes</b>	<b>26773</b>	<b>18381</b>	<b>2289</b>	<b>3745</b>	<b>2281</b>	<b>9089</b>	<b>62557</b>
5 West	Road	15202	262256	252	0	6585	26612	310907
	Rail	6607	61641	47	0	7055	28382	103733
	IWT	0	504	7	0	402	471	1383
	<b>All modes</b>	<b>21809</b>	<b>324401</b>	<b>307</b>	<b>0</b>	<b>14042</b>	<b>55465</b>	<b>416023</b>
6 North West	Road	7767	586486	32883	642	8304	31328	667410
	Rail	2588	104010	10892	204	5661	24922	148278
	IWT	55	0	0	0	0	0	55
	<b>All modes</b>	<b>10410</b>	<b>690496</b>	<b>43774</b>	<b>847</b>	<b>13965</b>	<b>56250</b>	<b>815742</b>
7 Center	Road	11070	94637	1920	902	17524	24721	150774
	Rail	3533	28682	526	270	6479	10924	50414
	IWT	0	2453	44	0	861	558	3916
	<b>All modes</b>	<b>14604</b>	<b>125772</b>	<b>2489</b>	<b>1172</b>	<b>24864</b>	<b>36204</b>	<b>205104</b>
8 Bucharest Ilfov	Road	162166	37566	526	4	1986	11180	213426
	Rail	60057	8366	117	0	661	3931	73131
	IWT	0	7081	99	0	442	1851	9472
	<b>All modes</b>	<b>222223</b>	<b>53013</b>	<b>741</b>	<b>4</b>	<b>3088</b>	<b>16962</b>	<b>296030</b>
All regions	Road	420659	1314201	46399	6796	67744	191983	2047781
	Rail	178646	292449	15684	3960	41490	147726	679955
	IWT	25521	22356	9085	0	19732	16027	92721
	<b>All modes</b>	<b>624825</b>	<b>1629006</b>	<b>71168</b>	<b>10757</b>	<b>128965</b>	<b>355736</b>	<b>2820457</b>

**Table 134: Imports 7 Fertilizers 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	2201	2876	365	0	759	1358	7559
	Rail	796	818	102	0	245	442	2402
	IWT	0	256	26	0	110	95	485
	<b>All modes</b>	<b>2997</b>	<b>3949</b>	<b>493</b>	<b>0</b>	<b>1113</b>	<b>1894</b>	<b>10446</b>
2 South East	Road	35901	1376	325	310	737	759	39409
	Rail	42847	478	190	226	358	442	44541
	IWT	5504	453	701	0	1179	489	8326
	<b>All modes</b>	<b>84253</b>	<b>2307</b>	<b>1215</b>	<b>537</b>	<b>2274</b>	<b>1690</b>	<b>92276</b>
3 South Muntenia	Road	15764	6318	734	204	1033	1723	25776
	Rail	5460	2048	259	142	464	978	9351
	IWT	321	1033	577	0	880	471	3281
	<b>All modes</b>	<b>21546</b>	<b>9399</b>	<b>1570</b>	<b>347</b>	<b>2376</b>	<b>3172</b>	<b>38409</b>
4 South West Oltenia	Road	8238	5161	511	120	876	2135	17042
	Rail	3343	1252	146	77	237	777	5833
	IWT	12001	894	909	0	1599	628	16031
	<b>All modes</b>	<b>23583</b>	<b>7307</b>	<b>1566</b>	<b>197</b>	<b>2712</b>	<b>3541</b>	<b>38905</b>
5 West	Road	6574	57393	128	0	1340	6654	72088
	Rail	2248	12640	26	0	781	4219	19914
	IWT	0	172	4	0	99	120	394
	<b>All modes</b>	<b>8822</b>	<b>70204</b>	<b>157</b>	<b>0</b>	<b>2219</b>	<b>10994</b>	<b>92396</b>
6 North West	Road	2091	78851	1223	318	2478	4654	89615
	Rail	672	13990	303	99	1234	2938	19236
	IWT	22	0	0	0	0	0	22
	<b>All modes</b>	<b>2785</b>	<b>92841</b>	<b>1526</b>	<b>416</b>	<b>3712</b>	<b>7592</b>	<b>108872</b>
7 Center	Road	4490	30499	978	423	2055	8333	46778
	Rail	1464	9771	266	0	686	2964	15151
	IWT	0	631	22	0	113	172	938
	<b>All modes</b>	<b>5953</b>	<b>40902</b>	<b>1267</b>	<b>423</b>	<b>2854</b>	<b>11468</b>	<b>62868</b>
8 Bucharest Ilfov	Road	29561	9968	266	0	872	3989	44658
	Rail	8899	1945	58	0	157	891	11950
	IWT	0	1781	51	0	164	566	2562
	<b>All modes</b>	<b>38460</b>	<b>13695</b>	<b>376</b>	<b>0</b>	<b>1194</b>	<b>5446</b>	<b>59170</b>
All regions	Road	111394	249835	4657	1376	11490	36259	415012
	Rail	67978	55582	1376	544	4942	17870	148292
	IWT	17849	5391	2292	0	4241	2661	32434
	<b>All modes</b>	<b>197220</b>	<b>310808</b>	<b>8326</b>	<b>1920</b>	<b>20674</b>	<b>56790</b>	<b>595738</b>

**Table 135: Imports 8 Chemicals 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	13523	19013	704	0	1686	8873	43800
	Rail	6687	6085	190	0	701	2909	16571
	IWT	0	1712	47	0	259	646	2665
	<b>All modes</b>	<b>20210</b>	<b>26809</b>	<b>942</b>	<b>0</b>	<b>2646</b>	<b>12428</b>	<b>63036</b>
2 South East	Road	31383	6106	204	343	1037	1858	40931
	Rail	6847	1880	37	150	412	843	10169
	IWT	876	1347	47	0	329	577	3176
	<b>All modes</b>	<b>39106</b>	<b>9333</b>	<b>288</b>	<b>493</b>	<b>1778</b>	<b>3278</b>	<b>54276</b>
3 South Muntenia	Road	85947	34686	843	26	4548	16126	142175
	Rail	39978	11494	197	15	2362	10457	64503
	IWT	259	4884	161	0	1124	2380	8807
	<b>All modes</b>	<b>126184</b>	<b>51064</b>	<b>1201</b>	<b>40</b>	<b>8034</b>	<b>28963</b>	<b>215485</b>
4 South West Oltenia	Road	48410	30536	1475	0	1628	8198	90246
	Rail	18922	6917	350	0	741	3716	30645
	IWT	58	3278	237	0	431	726	4730
	<b>All modes</b>	<b>67390</b>	<b>40730</b>	<b>2062</b>	<b>0</b>	<b>2800</b>	<b>12640</b>	<b>125622</b>
5 West	Road	25590	219613	241	0	3906	26627	275977
	Rail	7041	47264	44	0	2836	15958	73142
	IWT	4	402	7	0	526	672	1610
	<b>All modes</b>	<b>32635</b>	<b>267279</b>	<b>292</b>	<b>0</b>	<b>7267</b>	<b>43256</b>	<b>350729</b>
6 North West	Road	6117	297267	2281	672	5165	23922	335424
	Rail	2289	51334	551	168	1898	9333	65572
	IWT	66	0	0	0	0	0	66
	<b>All modes</b>	<b>8472</b>	<b>348601</b>	<b>2832</b>	<b>840</b>	<b>7063</b>	<b>33255</b>	<b>401062</b>
7 Center	Road	12622	126735	7957	942	5800	21028	175083
	Rail	5081	36533	2048	0	1267	4924	49852
	IWT	0	1799	113	0	321	343	2577
	<b>All modes</b>	<b>17703</b>	<b>165068</b>	<b>10118</b>	<b>942</b>	<b>7388</b>	<b>26295</b>	<b>227512</b>
8 Bucharest Ilfov	Road	103908	43172	1263	4	4168	13658	166174
	Rail	26174	8880	277	0	949	3588	39869
	IWT	0	7818	237	0	832	2117	11005
	<b>All modes</b>	<b>130082</b>	<b>59871</b>	<b>1778</b>	<b>4</b>	<b>5950</b>	<b>19363</b>	<b>217047</b>
All regions	Road	353090	996742	15210	1986	31843	146916	1545786
	Rail	120059	217650	3738	332	14001	67686	423466
	IWT	1267	21641	858	0	4347	8132	36245
	<b>All modes</b>	<b>474416</b>	<b>1236032</b>	<b>19805</b>	<b>2318</b>	<b>50191</b>	<b>222734</b>	<b>2005496</b>

**Table 136: Imports 9 Machinery & Heavy Manufacturing 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	7753	19889	292	0	1690	3037	32660
	Rail	2803	5909	99	0	456	1212	10479
	IWT	0	2029	44	0	190	248	2511
	<b>All modes</b>	<b>10556</b>	<b>27828</b>	<b>434</b>	<b>0</b>	<b>2336</b>	<b>4497</b>	<b>45651</b>
2 South East	Road	48472	15867	464	0	131	4285	69219
	Rail	12249	5059	124	0	102	2219	19754
	IWT	934	3570	153	0	150	1121	5928
	<b>All modes</b>	<b>61656</b>	<b>24495</b>	<b>741</b>	<b>0</b>	<b>383</b>	<b>7625</b>	<b>94900</b>
3 South Muntenia	Road	55265	55498	3117	0	3843	16918	134641
	Rail	19042	21867	792	0	1781	9264	52746
	IWT	44	7172	471	0	1402	2515	11603
	<b>All modes</b>	<b>74351</b>	<b>84538</b>	<b>4380</b>	<b>0</b>	<b>7026</b>	<b>28696</b>	<b>198991</b>
4 South West Oltenia	Road	22239	25159	646	0	1153	2643	51841
	Rail	8340	6577	183	0	398	657	16155
	IWT	0	3157	113	0	190	219	3679
	<b>All modes</b>	<b>30580</b>	<b>34894</b>	<b>942</b>	<b>0</b>	<b>1741</b>	<b>3519</b>	<b>71675</b>
5 West	Road	16932	109686	0	0	2201	19520	148340
	Rail	5701	30667	0	0	4588	22838	63795
	IWT	55	259	0	0	7	259	580
	<b>All modes</b>	<b>22688</b>	<b>140613</b>	<b>0</b>	<b>0</b>	<b>6796</b>	<b>42617</b>	<b>212715</b>
6 North West	Road	6632	193297	13589	0	4362	22798	240677
	Rail	2179	40880	4212	0	2332	12618	62222
	IWT	84	0	0	0	0	0	84
	<b>All modes</b>	<b>8895</b>	<b>234177</b>	<b>17801</b>	<b>0</b>	<b>6694</b>	<b>35416</b>	<b>302983</b>
7 Center	Road	7198	79826	1945	0	8161	17589	114720
	Rail	2738	23415	577	0	2252	6114	35095
	IWT	0	1829	4	0	445	175	2453
	<b>All modes</b>	<b>9935</b>	<b>105069</b>	<b>2526</b>	<b>0</b>	<b>10859</b>	<b>23878</b>	<b>152267</b>
8 Bucharest Ilfov	Road	177332	34503	825	1986	8234	22236	245116
	Rail	53640	6745	183	734	1471	4993	67766
	IWT	0	6158	157	0	1551	3103	10968
	<b>All modes</b>	<b>230972</b>	<b>47406</b>	<b>1164</b>	<b>2719</b>	<b>11257</b>	<b>30332</b>	<b>323850</b>
All regions	Road	358755	643411	20878	1986	31978	128546	1185553
	Rail	112394	171787	6169	734	17969	82753	391806
	IWT	1172	24433	942	0	3942	7899	38387
	<b>All modes</b>	<b>472321</b>	<b>839631</b>	<b>27988</b>	<b>2719</b>	<b>53889</b>	<b>219197</b>	<b>1615746</b>



**Table 137: Imports 10 Petroleum Products 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	2635	4128	0	0	113	1694	8570
	Rail	1007	1135	0	0	124	726	2993
	IWT	0	387	0	0	26	161	573
	<b>All modes</b>	<b>3643</b>	<b>5650</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2581</b>	<b>12136</b>
2 South East	Road	8307	1292	0	0	0	394	9994
	Rail	2154	1172	0	0	4	442	3770
	IWT	402	602	0	0	0	212	1215
	<b>All modes</b>	<b>10862</b>	<b>3066</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1048</b>	<b>14980</b>
3 South Muntenia	Road	50023	6169	872	0	135	2303	59502
	Rail	36230	2172	277	0	168	2117	40964
	IWT	0	1252	131	0	55	343	1781
	<b>All modes</b>	<b>86253</b>	<b>9592</b>	<b>1281</b>	<b>0</b>	<b>358</b>	<b>4763</b>	<b>102247</b>
4 South West Oltenia	Road	10001	6946	0	0	653	3541	21141
	Rail	5741	2321	0	0	372	2862	11297
	IWT	0	982	0	0	142	460	1584
	<b>All modes</b>	<b>15742</b>	<b>10249</b>	<b>0</b>	<b>0</b>	<b>1168</b>	<b>6862</b>	<b>34022</b>
5 West	Road	7318	94294	0	0	27393	126538	255544
	Rail	2453	68938	0	0	42610	199067	313068
	IWT	0	186	0	0	3511	2880	6577
	<b>All modes</b>	<b>9771</b>	<b>163418</b>	<b>0</b>	<b>0</b>	<b>73515</b>	<b>328485</b>	<b>575189</b>
6 North West	Road	2756	132922	0	0	7800	37460	180938
	Rail	905	22918	0	0	16494	71106	111424
	IWT	26	0	0	0	0	0	26
	<b>All modes</b>	<b>3687</b>	<b>155840</b>	<b>0</b>	<b>0</b>	<b>24294</b>	<b>108566</b>	<b>292387</b>
7 Center	Road	3358	20028	0	0	1883	9632	34901
	Rail	934	7227	0	0	1106	6216	15483
	IWT	0	292	0	0	226	299	818
	<b>All modes</b>	<b>4292</b>	<b>27547</b>	<b>0</b>	<b>0</b>	<b>3216</b>	<b>16148</b>	<b>51202</b>
8 Bucharest Ilfov	Road	10048	4862	0	347	0	0	15257
	Rail	3380	949	0	128	0	0	4457
	IWT	0	869	0	0	0	0	869
	<b>All modes</b>	<b>13428</b>	<b>6680</b>	<b>0</b>	<b>475</b>	<b>0</b>	<b>0</b>	<b>20582</b>
All regions	Road	101766	364934	872	347	65372	308100	841391
	Rail	55257	175769	277	128	103488	481603	816523
	IWT	427	4756	131	0	7472	7234	20020
	<b>All modes</b>	<b>157450</b>	<b>545460</b>	<b>1281</b>	<b>475</b>	<b>176332</b>	<b>796937</b>	<b>1677934</b>

**Table 138: Imports 11 Mail & Parcels 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	7	40	0	0	4	51	102
	Rail	0	11	0	0	0	15	26
	IWT	0	4	0	0	0	4	7
	<b>All modes</b>	<b>7</b>	<b>55</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>69</b>	<b>135</b>
<b>2 South East</b>	Road	99	18	0	0	0	4	120
	Rail	26	7	0	0	0	0	33
	IWT	4	4	0	0	0	0	7
	<b>All modes</b>	<b>128</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>161</b>
<b>3 South Muntenia</b>	Road	77	128	0	0	0	22	226
	Rail	33	40	0	0	0	15	88
	IWT	0	22	0	0	0	4	26
	<b>All modes</b>	<b>110</b>	<b>190</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>339</b>
<b>4 South West Oltenia</b>	Road	110	102	0	0	7	7	226
	Rail	40	22	0	0	0	4	66
	IWT	0	15	0	0	0	0	15
	<b>All modes</b>	<b>150</b>	<b>139</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>11</b>	<b>307</b>
<b>5 West</b>	Road	18	2037	15	0	7	150	2227
	Rail	7	431	4	0	7	51	500
	IWT	0	7	0	0	4	4	15
	<b>All modes</b>	<b>26</b>	<b>2475</b>	<b>18</b>	<b>0</b>	<b>18</b>	<b>204</b>	<b>2741</b>
<b>6 North West</b>	Road	0	2051	7	0	18	29	2106
	Rail	0	325	4	0	7	18	354
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>2376</b>	<b>11</b>	<b>0</b>	<b>26</b>	<b>47</b>	<b>2460</b>
<b>7 Center</b>	Road	18	423	4	0	7	197	650
	Rail	7	117	0	0	0	62	186
	IWT	0	7	0	0	0	4	11
	<b>All modes</b>	<b>26</b>	<b>548</b>	<b>4</b>	<b>0</b>	<b>7</b>	<b>263</b>	<b>847</b>
<b>8 Bucharest Ilfov</b>	Road	252	190	4	0	533	558	1537
	Rail	77	37	0	0	99	110	321
	IWT	0	37	0	0	102	128	266
	<b>All modes</b>	<b>329</b>	<b>263</b>	<b>4</b>	<b>0</b>	<b>734</b>	<b>796</b>	<b>2124</b>
<b>All regions</b>	Road	599	7026	44	0	584	1168	9421
	Rail	197	1420	11	0	120	325	2073
	IWT	4	102	0	0	110	146	361
	<b>All modes</b>	<b>799</b>	<b>8548</b>	<b>55</b>	<b>0</b>	<b>814</b>	<b>1639</b>	<b>11855</b>



**Table 139: Imports 12 Manufactured Goods 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	12067	15753	719	0	1924	5106	35569
	Rail	4336	4548	201	0	767	3654	13505
	IWT	0	1745	51	0	292	467	2555
	<b>All modes</b>	<b>16403</b>	<b>22046</b>	<b>971</b>	<b>0</b>	<b>2982</b>	<b>9227</b>	<b>51629</b>
2 South East	Road	108179	13724	226	887	460	3829	127305
	Rail	29737	3588	47	409	204	1836	35821
	IWT	1865	2734	84	0	237	898	5818
	<b>All modes</b>	<b>139780</b>	<b>20046</b>	<b>358</b>	<b>1296</b>	<b>902</b>	<b>6563</b>	<b>168944</b>
3 South Muntenia	Road	64222	26554	2665	1442	4004	10081	108967
	Rail	27229	8837	978	843	2227	7694	47808
	IWT	1153	4110	1719	0	2858	2522	12363
	<b>All modes</b>	<b>92604</b>	<b>39500</b>	<b>5362</b>	<b>2285</b>	<b>9089</b>	<b>20298</b>	<b>169137</b>
4 South West Oltenia	Road	23937	21670	2062	526	2610	3643	54447
	Rail	10001	5205	602	252	511	1172	17743
	IWT	15388	3048	1482	0	1858	883	22659
	<b>All modes</b>	<b>49326</b>	<b>29923</b>	<b>4146</b>	<b>777</b>	<b>4979</b>	<b>5698</b>	<b>94849</b>
5 West	Road	27324	276429	1580	226	10877	31408	347845
	Rail	9169	69095	303	0	10264	42147	130977
	IWT	4019	683	307	0	1223	445	6676
	<b>All modes</b>	<b>40511</b>	<b>346206</b>	<b>2190</b>	<b>226</b>	<b>22364</b>	<b>74000</b>	<b>485497</b>
6 North West	Road	10165	396105	2376	628	7169	33974	450417
	Rail	3033	68715	584	201	8669	40862	122063
	IWT	135	0	0	0	0	0	135
	<b>All modes</b>	<b>13333</b>	<b>464820</b>	<b>2960</b>	<b>829</b>	<b>15837</b>	<b>74836</b>	<b>572616</b>
7 Center	Road	8293	87246	3979	3008	5340	30412	138277
	Rail	2635	25083	1139	0	1883	11560	42300
	IWT	0	2150	44	0	409	675	3278
	<b>All modes</b>	<b>10928</b>	<b>114479</b>	<b>5161</b>	<b>3008</b>	<b>7632</b>	<b>42647</b>	<b>183854</b>
8 Bucharest Ilfov	Road	202615	50396	522	4	5311	15607	274454
	Rail	61123	10465	117	0	1208	4745	77657
	IWT	0	9099	99	0	1051	2336	12585
	<b>All modes</b>	<b>263738</b>	<b>69960</b>	<b>737</b>	<b>4</b>	<b>7570</b>	<b>22688</b>	<b>364697</b>
All regions	Road	484125	1164306	15710	6946	48571	165469	1885126
	Rail	156432	264629	4274	1705	35996	155815	618850
	IWT	26579	24251	4092	0	9151	8672	72745
	<b>All modes</b>	<b>667136</b>	<b>1453185</b>	<b>24075</b>	<b>8651</b>	<b>93717</b>	<b>329956</b>	<b>2576721</b>

**Table 140: Imports 13 Domestic & Industrial Waste 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2 South East</b>	Road	7	0	0	0	0	0	7
	Rail	7	0	0	0	0	0	7
	IWT	0	0	0	0	4	0	4
	<b>All modes</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>18</b>
<b>3 South Muntenia</b>	Road	584	0	0	0	0	0	584
	Rail	485	0	0	0	0	0	485
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>1069</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1069</b>
<b>4 South West Oltenia</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>5 West</b>	Road	0	518	0	0	190	850	1559
	Rail	0	588	0	0	412	1686	2686
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>1106</b>	<b>0</b>	<b>0</b>	<b>602</b>	<b>2537</b>	<b>4245</b>
<b>6 North West</b>	Road	0	683	0	0	124	562	1369
	Rail	0	110	0	0	266	1080	1456
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>792</b>	<b>0</b>	<b>0</b>	<b>391</b>	<b>1643</b>	<b>2825</b>
<b>7 Center</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>8 Bucharest Ilfov</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>All regions</b>	Road	591	1719	0	0	504	2263	5077
	Rail	493	1285	0	0	1091	4453	7322
	IWT	0	0	0	0	4	0	4
	<b>All modes</b>	<b>1084</b>	<b>3004</b>	<b>0</b>	<b>0</b>	<b>1599</b>	<b>6716</b>	<b>12403</b>

**Table 141: Imports 14 Forestry Products 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	3592	15089	500	0	2048	3081	24309
	Rail	861	2781	73	0	482	595	4792
	IWT	0	661	44	0	204	172	1080
	<b>All modes</b>	<b>4453</b>	<b>18531</b>	<b>617</b>	<b>0</b>	<b>2734</b>	<b>3847</b>	<b>30182</b>
2 South East	Road	18779	6070	7	4	18	978	25857
	Rail	3055	2095	4	4	11	226	5395
	IWT	496	1343	18	0	37	212	2106
	<b>All modes</b>	<b>22331</b>	<b>9508</b>	<b>29</b>	<b>7</b>	<b>66</b>	<b>1416</b>	<b>33357</b>
3 South Muntenia	Road	10530	12892	621	0	1394	2551	27988
	Rail	3468	3920	120	0	372	1394	9275
	IWT	0	2124	88	0	245	234	2690
	<b>All modes</b>	<b>13998</b>	<b>18936</b>	<b>829</b>	<b>0</b>	<b>2011</b>	<b>4179</b>	<b>39953</b>
4 South West Oltenia	Road	5303	3077	1865	11	26	190	10472
	Rail	1730	442	299	4	7	102	2584
	IWT	814	354	263	0	84	44	1559
	<b>All modes</b>	<b>7848</b>	<b>3873</b>	<b>2427</b>	<b>15</b>	<b>117</b>	<b>336</b>	<b>14615</b>
5 West	Road	5778	64160	913	0	29	18130	89009
	Rail	1599	12454	135	0	18	2515	16721
	IWT	0	245	22	0	4	113	383
	<b>All modes</b>	<b>7377</b>	<b>76858</b>	<b>1069</b>	<b>0</b>	<b>51</b>	<b>20758</b>	<b>106113</b>
6 North West	Road	1340	193815	2913	0	8800	5340	212207
	Rail	372	29926	631	0	1781	938	33649
	IWT	11	0	0	0	0	0	11
	<b>All modes</b>	<b>1723</b>	<b>223741</b>	<b>3544</b>	<b>0</b>	<b>10581</b>	<b>6278</b>	<b>245868</b>
7 Center	Road	2723	73504	1909	0	8260	16805	103200
	Rail	500	18630	365	0	1734	4238	25466
	IWT	0	1153	44	0	215	248	1661
	<b>All modes</b>	<b>3223</b>	<b>93287</b>	<b>2318</b>	<b>0</b>	<b>10209</b>	<b>21290</b>	<b>130327</b>
8 Bucharest Ilfov	Road	58765	10618	708	0	3756	6566	80413
	Rail	14279	2066	157	0	668	1274	18443
	IWT	0	1894	135	0	708	891	3628
	<b>All modes</b>	<b>73044</b>	<b>14578</b>	<b>1000</b>	<b>0</b>	<b>5132</b>	<b>8731</b>	<b>102485</b>
All regions	Road	112588	443384	10348	15	24360	71770	662464
	Rail	27463	84768	1920	7	5092	13797	133046
	IWT	1321	8019	635	0	1500	2026	13501
	<b>All modes</b>	<b>141372</b>	<b>536170</b>	<b>12903</b>	<b>22</b>	<b>30952</b>	<b>87593</b>	<b>809012</b>

**Table 142: Imports 15 Livestock 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	3727	2701	0	0	62	1153	7643
	Rail	1124	679	0	0	15	285	2102
	IWT	0	219	0	0	4	33	256
	<b>All modes</b>	<b>4851</b>	<b>3599</b>	<b>0</b>	<b>0</b>	<b>80</b>	<b>1471</b>	<b>10001</b>
<b>2 South East</b>	Road	1059	759	0	0	0	3435	5252
	Rail	226	226	0	0	0	1464	1916
	IWT	18	153	0	0	0	745	916
	<b>All modes</b>	<b>1303</b>	<b>1139</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5643</b>	<b>8085</b>
<b>3 South Muntenia</b>	Road	8647	6763	548	0	0	2424	18381
	Rail	2511	2051	99	0	0	1716	6377
	IWT	15	1099	234	0	0	296	1643
	<b>All modes</b>	<b>11173</b>	<b>9913</b>	<b>880</b>	<b>0</b>	<b>0</b>	<b>4435</b>	<b>26400</b>
<b>4 South West Oltenia</b>	Road	1679	2029	7	0	0	0	3716
	Rail	642	475	4	0	0	0	1121
	IWT	0	237	0	0	0	0	237
	<b>All modes</b>	<b>2321</b>	<b>2741</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5074</b>
<b>5 West</b>	Road	1310	43975	697	0	2738	12213	60933
	Rail	577	9224	106	0	526	2843	13275
	IWT	0	29	18	0	383	131	562
	<b>All modes</b>	<b>1887</b>	<b>53228</b>	<b>821</b>	<b>0</b>	<b>3646</b>	<b>15188</b>	<b>74770</b>
<b>6 North West</b>	Road	3599	57079	1913	0	0	2639	65229
	Rail	1106	9537	274	0	0	1445	12363
	IWT	22	0	0	0	0	0	22
	<b>All modes</b>	<b>4727</b>	<b>66616</b>	<b>2186</b>	<b>0</b>	<b>0</b>	<b>4084</b>	<b>77614</b>
<b>7 Center</b>	Road	6001	21228	0	0	66	10505	37799
	Rail	1730	5942	0	0	7	2559	10238
	IWT	0	321	0	0	4	172	496
	<b>All modes</b>	<b>7731</b>	<b>27492</b>	<b>0</b>	<b>0</b>	<b>77</b>	<b>13235</b>	<b>48534</b>
<b>8 Bucharest Ilfov</b>	Road	42720	20882	0	0	0	7895	71496
	Rail	12874	3920	0	0	0	1770	18564
	IWT	0	3599	0	0	0	1099	4698
	<b>All modes</b>	<b>55593</b>	<b>28401</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10764</b>	<b>94758</b>
<b>All regions</b>	Road	70051	199392	3862	0	5603	52476	331384
	Rail	21367	41278	588	0	1073	14925	79231
	IWT	55	5687	270	0	774	2606	9391
	<b>All modes</b>	<b>91473</b>	<b>246357</b>	<b>4719</b>	<b>0</b>	<b>7450</b>	<b>70007</b>	<b>420006</b>

The above information is useful also in the next stage for identifying the IWT potential for Romanian imports from DR countries. In this respect, of high interest are flows related to regions with a good accessibility to the Danube ports, namely regions South East, South Muntenia, South West Oltenia, Bucharest Ilfov. These regions have a quite good accessibility to the Danube ports.

### **Exports to DR Countries**

In the following the exports to DR countries by land modes, NTM 2020, are presented.

**Table 143: Exports 0 Agricultural products 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	2504	4015	1142	0	993	3139	11793
	Rail	507	1278	135	0	522	1825	4267
	IWT	0	135	37	0	37	58	266
	<b>All modes</b>	<b>3011</b>	<b>5428</b>	<b>1314</b>	<b>0</b>	<b>1551</b>	<b>5022</b>	<b>16326</b>
2 South East	Road	204557	5121	1978	20528	71580	11698	315462
	Rail	130542	2971	1537	19137	43015	9172	206375
	IWT	78654	5464	3708	0	103580	17454	208860
	<b>All modes</b>	<b>413753</b>	<b>13556</b>	<b>7223</b>	<b>39665</b>	<b>218175</b>	<b>38325</b>	<b>730697</b>
3 South Muntenia	Road	8902	14786	445	40	599	1964	26736
	Rail	898	1135	11	33	113	190	2380
	IWT	88	971	40	0	241	95	1434
	<b>All modes</b>	<b>9888</b>	<b>16892</b>	<b>496</b>	<b>73</b>	<b>953</b>	<b>2248</b>	<b>30551</b>
4 South West Oltenia	Road	9548	10505	438	799	4044	2351	27685
	Rail	3409	1383	55	361	872	464	6544
	IWT	9052	975	201	0	4325	807	15359
	<b>All modes</b>	<b>22010</b>	<b>12863</b>	<b>694</b>	<b>1161</b>	<b>9242</b>	<b>3621</b>	<b>49589</b>
5 West	Road	7256	90567	124	0	1172	10432	109551
	Rail	1500	11125	7	0	453	3511	16597
	IWT	0	44	0	0	7	29	80
	<b>All modes</b>	<b>8756</b>	<b>101736</b>	<b>131</b>	<b>0</b>	<b>1632</b>	<b>13972</b>	<b>126228</b>
6 North West	Road	2533	116585	1595	270	4811	6417	132210
	Rail	453	13399	157	44	741	1153	15947
	IWT	33	0	0	0	0	0	33
	<b>All modes</b>	<b>3019</b>	<b>129984</b>	<b>1752</b>	<b>314</b>	<b>5552</b>	<b>7570</b>	<b>148190</b>
7 Center	Road	4289	33146	1807	442	1821	10297	51801
	Rail	467	3811	113	106	157	836	5490
	IWT	0	369	29	0	51	62	511
	<b>All modes</b>	<b>4756</b>	<b>37325</b>	<b>1949</b>	<b>548</b>	<b>2029</b>	<b>11195</b>	<b>57801</b>
8 Bucharest Ilfov	Road	34233	14531	704	0	1340	6902	57710
	Rail	1128	398	22	0	37	204	1789
	IWT	0	197	11	0	11	40	259
	<b>All modes</b>	<b>35361</b>	<b>15126</b>	<b>737</b>	<b>0</b>	<b>1387</b>	<b>7147</b>	<b>59758</b>
All regions	Road	281079	379823	8359	22079	87531	63630	842500
	Rail	140405	46625	2044	19681	46362	20867	275984
	IWT	87826	8198	4026	0	108259	18575	226884
	<b>All modes</b>	<b>509310</b>	<b>434646</b>	<b>14428</b>	<b>41760</b>	<b>242152</b>	<b>103072</b>	<b>1345368</b>

**Table 144: Exports 1 Foodstuffs 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	6070	10570	383	0	967	5544	23535
	Rail	365	215	29	0	51	102	763
	IWT	0	226	7	0	29	51	314
	<b>All modes</b>	<b>6435</b>	<b>11012</b>	<b>420</b>	<b>0</b>	<b>1048</b>	<b>5698</b>	<b>24612</b>
2 South East	Road	20046	8621	102	128	2851	12260	44008
	Rail	4004	5033	11	51	2117	9727	20944
	IWT	0	277	0	0	73	219	569
	<b>All modes</b>	<b>24050</b>	<b>13932</b>	<b>113</b>	<b>179</b>	<b>5041</b>	<b>22207</b>	<b>65521</b>
3 South Muntenia	Road	37215	12881	1464	0	887	6913	59360
	Rail	1880	299	47	0	15	135	2376
	IWT	0	569	66	0	47	139	821
	<b>All modes</b>	<b>39095</b>	<b>13750</b>	<b>1577</b>	<b>0</b>	<b>949</b>	<b>7187</b>	<b>62557</b>
4 South West Oltenia	Road	7245	11527	336	0	1621	4876	25605
	Rail	909	719	7	0	128	343	2106
	IWT	7	230	7	0	84	26	354
	<b>All modes</b>	<b>8161</b>	<b>12476</b>	<b>350</b>	<b>0</b>	<b>1832</b>	<b>5245</b>	<b>28065</b>
5 West	Road	13370	95586	887	2256	2602	9537	124239
	Rail	2391	8851	55	0	252	1380	12928
	IWT	0	51	0	0	7	0	58
	<b>All modes</b>	<b>15761</b>	<b>104489</b>	<b>942</b>	<b>2256</b>	<b>2862</b>	<b>10917</b>	<b>137225</b>
6 North West	Road	6482	206137	6110	237	8475	7917	235359
	Rail	964	20250	580	37	1011	931	23772
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>7446</b>	<b>226388</b>	<b>6690</b>	<b>274</b>	<b>9486</b>	<b>8848</b>	<b>259132</b>
7 Center	Road	6650	44957	2000	394	7223	22404	83629
	Rail	110	146	0	11	15	88	369
	IWT	0	569	26	0	172	139	905
	<b>All modes</b>	<b>6760</b>	<b>45672</b>	<b>2026</b>	<b>405</b>	<b>7410</b>	<b>22630</b>	<b>84903</b>
8 Bucharest Ilfov	Road	54958	28463	266	478	4504	12841	101510
	Rail	62	0	0	0	0	0	62
	IWT	0	47	0	0	4	7	58
	<b>All modes</b>	<b>55020</b>	<b>28510</b>	<b>266</b>	<b>478</b>	<b>4508</b>	<b>12848</b>	<b>101631</b>
All regions	Road	165407	514329	12436	5749	31733	91830	821484
	Rail	13074	44366	785	99	3840	14085	76249
	IWT	7	2022	106	0	423	580	3139
	<b>All modes</b>	<b>178489</b>	<b>560717</b>	<b>13326</b>	<b>5847</b>	<b>35996</b>	<b>106496</b>	<b>900871</b>



**Table 145: Exports 2 Solid Mineral Fuels 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	471	588	0	0	0	0	1059
	Rail	230	58	0	0	0	0	288
	IWT	0	4	0	0	0	0	4
	<b>All modes</b>	<b>701</b>	<b>650</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1351</b>
2 South East	Road	7096	13355	95	1040	11516	15231	48333
	Rail	5694	23575	77	978	17995	60670	108989
	IWT	2960	3176	186	0	6690	3584	16597
	<b>All modes</b>	<b>15750</b>	<b>40106</b>	<b>358</b>	<b>2018</b>	<b>36201</b>	<b>79486</b>	<b>173919</b>
3 South Muntenia	Road	5081	591	0	0	29	77	5778
	Rail	2884	201	0	0	37	117	3238
	IWT	4	37	0	0	11	7	58
	<b>All modes</b>	<b>7968</b>	<b>829</b>	<b>0</b>	<b>0</b>	<b>77</b>	<b>201</b>	<b>9074</b>
4 South West Oltenia	Road	989	51	4	47	730	515	2336
	Rail	339	15	4	33	190	179	759
	IWT	803	18	11	0	398	69	1299
	<b>All modes</b>	<b>2132</b>	<b>84</b>	<b>18</b>	<b>80</b>	<b>1318</b>	<b>763</b>	<b>4395</b>
5 West	Road	0	4570	0	0	299	3668	8537
	Rail	0	1329	0	0	478	2274	4081
	IWT	0	55	0	0	7	37	99
	<b>All modes</b>	<b>0</b>	<b>5953</b>	<b>0</b>	<b>0</b>	<b>785</b>	<b>5979</b>	<b>12717</b>
6 North West	Road	256	6325	1361	0	0	0	7942
	Rail	99	6493	361	0	0	0	6953
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>354</b>	<b>12819</b>	<b>1723</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14896</b>
7 Center	Road	0	1511	0	0	0	1256	2767
	Rail	0	292	0	0	0	394	686
	IWT	0	11	0	0	0	7	18
	<b>All modes</b>	<b>0</b>	<b>1814</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1657</b>	<b>3471</b>
8 Bucharest Ilfov	Road	1194	1022	0	0	0	0	2216
	Rail	361	252	0	0	0	0	613
	IWT	0	102	0	0	0	0	102
	<b>All modes</b>	<b>1555</b>	<b>1376</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2931</b>
All regions	Road	15085	32584	1460	1088	12874	24415	87505
	Rail	9607	33544	442	1011	19177	65908	129688
	IWT	3767	3457	197	0	7114	3741	18276
	<b>All modes</b>	<b>28459</b>	<b>69584</b>	<b>2099</b>	<b>2099</b>	<b>39165</b>	<b>94064</b>	<b>235469</b>



**Table 146: Exports 3 Crude Oil 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2 South East</b>	Road	635	26	11	106	391	66	1234
	Rail	427	11	7	102	219	44	810
	IWT	898	18	18	0	493	80	1507
	<b>All modes</b>	<b>1960</b>	<b>55</b>	<b>37</b>	<b>208</b>	<b>1102</b>	<b>190</b>	<b>3551</b>
<b>3 South Muntenia</b>	Road	7	0	0	0	4	0	11
	Rail	4	0	0	0	4	0	7
	IWT	0	0	0	0	4	0	4
	<b>All modes</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>22</b>
<b>4 South West Oltenia</b>	Road	89308	3592	1544	14848	55929	8895	174116
	Rail	43643	927	777	10987	21973	4530	82837
	IWT	120337	1730	1847	0	50301	8464	182679
	<b>All modes</b>	<b>253288</b>	<b>6249</b>	<b>4168</b>	<b>25835</b>	<b>128203</b>	<b>21889</b>	<b>439632</b>
<b>5 West</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6 North West</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7 Center</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>8 Bucharest Ilfov</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>All regions</b>	Road	89951	3617	1555	14954	56323	8961	175361
	Rail	44074	938	785	11089	22196	4573	83654
	IWT	121235	1748	1865	0	50797	8545	184190
	<b>All modes</b>	<b>255259</b>	<b>6304</b>	<b>4205</b>	<b>26043</b>	<b>129316</b>	<b>22079</b>	<b>443205</b>

**Table 147: Exports 4 Ores, Metal Waste 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	4573	6888	850	0	2657	3500	18469
	Rail	1449	1920	256	0	836	938	5398
	IWT	0	329	33	0	131	77	569
	<b>All modes</b>	<b>6023</b>	<b>9136</b>	<b>1139</b>	<b>0</b>	<b>3624</b>	<b>4515</b>	<b>24437</b>
2 South East	Road	47819	3194	730	5829	19776	4322	81669
	Rail	23758	1664	365	4563	10143	2540	43034
	IWT	24513	1314	840	0	22732	3909	53308
	<b>All modes</b>	<b>96090</b>	<b>6172</b>	<b>1935</b>	<b>10392</b>	<b>52651</b>	<b>10771</b>	<b>178011</b>
3 South Muntenia	Road	19130	12611	902	11	1343	3865	37861
	Rail	5157	2916	204	7	329	872	9486
	IWT	15	927	73	0	128	142	1285
	<b>All modes</b>	<b>24302</b>	<b>16454</b>	<b>1179</b>	<b>18</b>	<b>1799</b>	<b>4880</b>	<b>48633</b>
4 South West Oltenia	Road	23473	10877	960	2329	8870	4738	51246
	Rail	8125	2241	252	1230	2924	1270	16042
	IWT	15253	1048	314	0	7650	1347	25612
	<b>All modes</b>	<b>46851</b>	<b>14166</b>	<b>1526</b>	<b>3559</b>	<b>19444</b>	<b>7355</b>	<b>92900</b>
5 West	Road	14549	118957	256	0	3533	12790	150084
	Rail	3584	21761	55	0	752	2650	28802
	IWT	197	245	4	0	186	139	770
	<b>All modes</b>	<b>18330</b>	<b>140963</b>	<b>314</b>	<b>0</b>	<b>4471</b>	<b>15578</b>	<b>179657</b>
6 North West	Road	4537	174269	3376	902	6183	11370	200637
	Rail	1044	28426	898	230	1986	3205	35788
	IWT	91	0	0	0	0	0	91
	<b>All modes</b>	<b>5672</b>	<b>202695</b>	<b>4274</b>	<b>1132</b>	<b>8169</b>	<b>14574</b>	<b>236516</b>
7 Center	Road	9428	49903	2081	1467	5625	16582	85085
	Rail	2672	13731	588	369	1354	3351	22064
	IWT	0	540	29	0	172	131	872
	<b>All modes</b>	<b>12100</b>	<b>64174</b>	<b>2697</b>	<b>1836</b>	<b>7150</b>	<b>20064</b>	<b>108022</b>
8 Bucharest Ilfov	Road	62473	20404	555	0	2179	7512	93122
	Rail	13739	4475	131	0	460	1588	20393
	IWT	0	2018	55	0	139	307	2519
	<b>All modes</b>	<b>76212</b>	<b>26897</b>	<b>741</b>	<b>0</b>	<b>2778</b>	<b>9406</b>	<b>116034</b>
All regions	Road	200531	516059	9965	10538	53699	77468	868258
	Rail	63112	98897	2803	6398	19535	19064	209809
	IWT	40267	6665	1351	0	31324	6190	85797
	<b>All modes</b>	<b>303910</b>	<b>621621</b>	<b>14118</b>	<b>16936</b>	<b>104558</b>	<b>102722</b>	<b>1163865</b>

**Table 148: Exports 5 Metal Products 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	4263	8355	748	0	2551	6023	21940
	Rail	1358	2526	230	0	807	2369	7289
	IWT	0	292	18	0	91	124	526
	<b>All modes</b>	<b>5621</b>	<b>11173</b>	<b>996</b>	<b>0</b>	<b>3449</b>	<b>8515</b>	<b>29755</b>
<b>2 South East</b>	Road	15319	3022	204	318	566	1986	21415
	Rail	3515	2245	44	142	719	2727	9391
	IWT	113	58	0	0	47	26	245
	<b>All modes</b>	<b>18947</b>	<b>5325</b>	<b>248</b>	<b>460</b>	<b>1332</b>	<b>4738</b>	<b>31051</b>
<b>3 South Muntenia</b>	Road	29101	13096	810	0	1091	4446	48545
	Rail	24386	3551	197	0	405	1628	30167
	IWT	0	606	55	0	58	84	803
	<b>All modes</b>	<b>53487</b>	<b>17254</b>	<b>1062</b>	<b>0</b>	<b>1555</b>	<b>6158</b>	<b>79515</b>
<b>4 South West Oltenia</b>	Road	11227	10775	661	0	690	3497	26849
	Rail	3781	2332	142	0	142	737	7136
	IWT	4	299	26	0	15	26	369
	<b>All modes</b>	<b>15012</b>	<b>13406</b>	<b>829</b>	<b>0</b>	<b>847</b>	<b>4260</b>	<b>34354</b>
<b>5 West</b>	Road	14034	119110	230	0	2639	13111	149124
	Rail	3935	22323	44	0	679	3135	30116
	IWT	0	66	0	0	18	4	88
	<b>All modes</b>	<b>17969</b>	<b>141500</b>	<b>274</b>	<b>0</b>	<b>3336</b>	<b>16250</b>	<b>179328</b>
<b>6 North West</b>	Road	4008	172349	2924	613	4840	13907	198640
	Rail	1011	30061	712	161	2351	7424	41720
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>5019</b>	<b>202411</b>	<b>3635</b>	<b>774</b>	<b>7191</b>	<b>21331</b>	<b>240360</b>
<b>7 Center</b>	Road	9691	49793	1851	993	3898	15837	82063
	Rail	2880	13925	507	0	967	3201	21480
	IWT	0	511	22	0	102	95	730
	<b>All modes</b>	<b>12571</b>	<b>64229</b>	<b>2380</b>	<b>993</b>	<b>4968</b>	<b>19133</b>	<b>104273</b>
<b>8 Bucharest Ilfov</b>	Road	57604	21254	507	0	1675	7877	88918
	Rail	14074	4913	131	0	394	1825	21338
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>71679</b>	<b>26167</b>	<b>639</b>	<b>0</b>	<b>2070</b>	<b>9702</b>	<b>110256</b>
<b>All regions</b>	Road	159282	516866	8165	1924	20590	79793	786619
	Rail	58875	104200	2051	303	7143	26181	198753
	IWT	117	1898	120	0	350	361	2847
	<b>All modes</b>	<b>218274</b>	<b>622964</b>	<b>10337</b>	<b>2227</b>	<b>28083</b>	<b>106335</b>	<b>988219</b>

**Table 149: Exports 6 Building Minerals & Materials 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	6099	14374	4541	0	5964	18013	48990
	Rail	77	3128	131	0	2004	8271	13611
	IWT	0	577	208	0	266	285	1336
	<b>All modes</b>	<b>6176</b>	<b>18078</b>	<b>4880</b>	<b>0</b>	<b>8234</b>	<b>26568</b>	<b>63937</b>
2 South East	Road	434536	13790	5975	60875	206816	34299	756291
	Rail	322426	6055	4234	55385	129728	25623	543452
	IWT	189840	15914	11012	0	311801	51991	580558
	<b>All modes</b>	<b>946803</b>	<b>35759</b>	<b>21221</b>	<b>116260</b>	<b>648346</b>	<b>111913</b>	<b>1880301</b>
3 South Muntenia	Road	69343	16024	883	146	5895	4789	97079
	Rail	7559	131	4	29	84	26	7833
	IWT	741	1205	84	0	814	234	3077
	<b>All modes</b>	<b>77643</b>	<b>17359</b>	<b>971</b>	<b>175</b>	<b>6793</b>	<b>5048</b>	<b>107989</b>
4 South West Oltenia	Road	19783	12344	1989	3062	2471	3661	43311
	Rail	277	102	7	0	11	55	453
	IWT	3176	1132	186	0	1891	405	6789
	<b>All modes</b>	<b>23236</b>	<b>13578</b>	<b>2183</b>	<b>3062</b>	<b>4373</b>	<b>4121</b>	<b>50553</b>
5 West	Road	14932	263559	263	0	4614	12530	295898
	Rail	0	7055	0	0	33	183	7271
	IWT	161	292	4	0	172	120	748
	<b>All modes</b>	<b>15093</b>	<b>270907</b>	<b>266</b>	<b>0</b>	<b>4818</b>	<b>12833</b>	<b>303917</b>
6 North West	Road	7329	596804	31792	657	9716	19473	665771
	Rail	416	30843	8603	139	493	777	41271
	IWT	102	0	0	0	0	0	102
	<b>All modes</b>	<b>7848</b>	<b>627647</b>	<b>40395</b>	<b>796</b>	<b>10209</b>	<b>20250</b>	<b>707144</b>
7 Center	Road	11425	93754	1993	1080	20122	26152	154526
	Rail	88	4373	0	0	1971	8888	15319
	IWT	0	1077	26	0	591	208	1902
	<b>All modes</b>	<b>11512</b>	<b>99203</b>	<b>2018</b>	<b>1080</b>	<b>22685</b>	<b>35248</b>	<b>171747</b>
8 Bucharest Ilfov	Road	159830	37277	555	4	1785	9315	208765
	Rail	0	0	0	0	0	0	0
	IWT	0	3668	51	0	113	376	4208
	<b>All modes</b>	<b>159830</b>	<b>40946</b>	<b>606</b>	<b>4</b>	<b>1898</b>	<b>9691</b>	<b>212974</b>
All regions	Road	738209	1311485	48253	65824	261997	140762	2566530
	Rail	330843	58743	12979	55553	134357	44004	636480
	IWT	194180	24156	11574	0	315820	53739	599469
	<b>All modes</b>	<b>1263232</b>	<b>1394384</b>	<b>72807</b>	<b>121377</b>	<b>712173</b>	<b>238506</b>	<b>3802479</b>

**Table 150: Exports 7 Fertilizers 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	2708	3376	383	0	934	1723	9125
	Rail	2135	1015	124	0	299	548	4121
	IWT	0	110	7	0	29	29	175
	<b>All modes</b>	<b>4844</b>	<b>4500</b>	<b>515</b>	<b>0</b>	<b>1263</b>	<b>2300</b>	<b>13421</b>
<b>2 South East</b>	Road	25094	1632	343	2628	8924	1986	40606
	Rail	16334	978	219	2405	5431	1442	26809
	IWT	6599	701	464	0	12556	2154	22473
	<b>All modes</b>	<b>48027</b>	<b>3311</b>	<b>1026</b>	<b>5033</b>	<b>26911</b>	<b>5581</b>	<b>89889</b>
<b>3 South Muntenia</b>	Road	8862	7008	434	4	478	1975	18761
	Rail	3219	1825	120	4	131	577	5877
	IWT	0	336	33	0	22	33	423
	<b>All modes</b>	<b>12082</b>	<b>9169</b>	<b>588</b>	<b>7</b>	<b>631</b>	<b>2584</b>	<b>25061</b>
<b>4 South West Oltenia</b>	Road	9975	6263	347	33	861	3548	21028
	Rail	6395	1566	80	22	398	1975	10435
	IWT	69	230	15	0	128	73	515
	<b>All modes</b>	<b>16440</b>	<b>8059</b>	<b>442</b>	<b>55</b>	<b>1387</b>	<b>5595</b>	<b>31978</b>
<b>5 West</b>	Road	6650	56768	128	0	1175	5738	70460
	Rail	2172	11578	26	0	310	1734	15819
	IWT	0	33	0	0	11	0	44
	<b>All modes</b>	<b>8822</b>	<b>68379</b>	<b>153</b>	<b>0</b>	<b>1497</b>	<b>7472</b>	<b>86323</b>
<b>6 North West</b>	Road	2000	83202	1537	270	4139	4990	96137
	Rail	617	14772	383	91	1497	1770	19130
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>2617</b>	<b>97973</b>	<b>1920</b>	<b>361</b>	<b>5636</b>	<b>6760</b>	<b>115267</b>
<b>7 Center</b>	Road	4851	32540	960	431	2705	11987	53473
	Rail	7618	19663	277	0	4968	22375	54900
	IWT	0	281	11	0	55	47	394
	<b>All modes</b>	<b>12468</b>	<b>52483</b>	<b>1248</b>	<b>431</b>	<b>7727</b>	<b>34409</b>	<b>108766</b>
<b>8 Bucharest Ilfov</b>	Road	29623	10381	274	0	825	3898	45001
	Rail	9019	2435	73	0	197	1022	12746
	IWT	0	161	4	0	7	26	197
	<b>All modes</b>	<b>38643</b>	<b>12976</b>	<b>350</b>	<b>0</b>	<b>1029</b>	<b>4946</b>	<b>57944</b>
<b>All regions</b>	Road	96415	257938	4533	3365	21217	41581	425050
	Rail	49680	65408	1329	2522	13542	33175	165655
	IWT	6669	1883	533	0	12819	2362	24265
	<b>All modes</b>	<b>152763</b>	<b>325230</b>	<b>6395</b>	<b>5887</b>	<b>47578</b>	<b>77117</b>	<b>614970</b>

Table 151: Exports 8 Chemicals 2040 NTM

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	13651	22426	741	0	2730	13385	52932
	Rail	9110	9165	226	0	1694	7147	27342
	IWT	0	1007	15	0	131	285	1438
	<b>All modes</b>	<b>22761</b>	<b>32598</b>	<b>982</b>	<b>0</b>	<b>4555</b>	<b>20816</b>	<b>81713</b>
2 South East	Road	32189	4949	208	339	734	2208	40628
	Rail	6826	4541	47	153	1117	1069	13753
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>39015</b>	<b>9490</b>	<b>256</b>	<b>493</b>	<b>1851</b>	<b>3278</b>	<b>54381</b>
3 South Muntenia	Road	71292	31208	821	0	2840	8289	114449
	Rail	17619	7304	164	0	741	2453	28280
	IWT	0	1796	58	0	175	157	2186
	<b>All modes</b>	<b>88910</b>	<b>40307</b>	<b>1044</b>	<b>0</b>	<b>3756</b>	<b>10899</b>	<b>144916</b>
4 South Vest Oltenia	Road	55141	30021	1518	0	1007	5344	93031
	Rail	31671	6541	391	0	361	1840	40803
	IWT	11	996	26	0	69	62	1164
	<b>All modes</b>	<b>86823</b>	<b>37559</b>	<b>1935</b>	<b>0</b>	<b>1438</b>	<b>7245</b>	<b>134999</b>
5 West	Road	25762	218781	248	0	2500	19827	267118
	Rail	6687	41636	47	0	566	4238	53173
	IWT	0	55	0	0	18	0	73
	<b>All modes</b>	<b>32449</b>	<b>260471</b>	<b>296</b>	<b>0</b>	<b>3084</b>	<b>24064</b>	<b>320364</b>
6 North West	Road	4964	384787	2967	610	37628	165447	596403
	Rail	1245	139280	723	161	43705	195297	380410
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>6209</b>	<b>524067</b>	<b>3690</b>	<b>770</b>	<b>81333</b>	<b>360744</b>	<b>976813</b>
7 Center	Road	12549	129060	8479	978	5712	22134	178912
	Rail	3635	37139	2343	0	1288	4672	49078
	IWT	0	781	22	0	102	110	1015
	<b>All modes</b>	<b>16184</b>	<b>166980</b>	<b>10844</b>	<b>978</b>	<b>7103</b>	<b>26915</b>	<b>229005</b>
8 Bucharest Ilfov	Road	97557	43639	1241	4	3847	12589	158877
	Rail	23802	10067	325	0	902	2913	38007
	IWT	0	686	18	0	44	80	829
	<b>All modes</b>	<b>121359</b>	<b>54392</b>	<b>1584</b>	<b>4</b>	<b>4792</b>	<b>15582</b>	<b>197713</b>
All regions	Road	338866	1083652	16472	1931	59499	269049	1769469
	Rail	107281	297307	4314	314	50939	223865	684021
	IWT	11	5376	139	0	558	694	6778
	<b>All modes</b>	<b>446158</b>	<b>1386336</b>	<b>20925</b>	<b>2245</b>	<b>110997</b>	<b>493608</b>	<b>2460268</b>

Table 152: Exports 9 Machinery & Heavy Manufacturing 2040 NTM

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	7486	22280	402	0	1434	3464	35066
	Rail	1551	3522	124	0	299	595	6092
	IWT	0	1040	29	0	55	66	1190
	<b>All modes</b>	<b>9037</b>	<b>26842</b>	<b>555</b>	<b>0</b>	<b>1789</b>	<b>4125</b>	<b>42347</b>
2 South East	Road	50830	15352	558	0	0	3230	69971
	Rail	11757	2668	164	0	0	540	15129
	IWT	0	66	0	0	0	0	66
	<b>All modes</b>	<b>62587</b>	<b>18086</b>	<b>723</b>	<b>0</b>	<b>0</b>	<b>3770</b>	<b>85165</b>
3 South Muntenia	Road	51626	79869	3092	0	12556	54363	201506
	Rail	8099	26857	193	0	8530	41351	85030
	IWT	0	5439	230	0	1059	1942	8669
	<b>All modes</b>	<b>59725</b>	<b>112165</b>	<b>3515</b>	<b>0</b>	<b>22145</b>	<b>97656</b>	<b>295205</b>
4 South Vest Oltenia	Road	22192	27390	803	0	1449	2843	54677
	Rail	7019	4092	212	0	183	624	12129
	IWT	0	1376	44	0	66	40	1526
	<b>All modes</b>	<b>29211</b>	<b>32857</b>	<b>1059</b>	<b>0</b>	<b>1697</b>	<b>3508</b>	<b>68332</b>
5 West	Road	15994	107883	0	0	234	9789	133900
	Rail	3683	17841	0	0	307	2727	24557
	IWT	0	55	0	0	0	7	62
	<b>All modes</b>	<b>19677</b>	<b>125779</b>	<b>0</b>	<b>0</b>	<b>540</b>	<b>12523</b>	<b>158520</b>
6 North West	Road	6676	225362	15556	0	9501	34226	291321
	Rail	1413	34704	3405	0	2446	8187	50155
	IWT	37	0	0	0	0	0	37
	<b>All modes</b>	<b>8125</b>	<b>260066</b>	<b>18962</b>	<b>0</b>	<b>11946</b>	<b>42413</b>	<b>341512</b>
7 Center	Road	6187	80231	1792	0	8129	17316	113654
	Rail	891	10768	183	0	843	1924	14607
	IWT	0	796	0	0	153	51	1000
	<b>All modes</b>	<b>7077</b>	<b>91794</b>	<b>1975</b>	<b>0</b>	<b>9125</b>	<b>19290</b>	<b>129261</b>
8 Bucharest Ilfov	Road	174247	35223	799	1836	8165	21634	241904
	Rail	11111	1621	40	131	387	1121	14410
	IWT	0	584	11	0	91	146	832
	<b>All modes</b>	<b>185358</b>	<b>37427</b>	<b>850</b>	<b>1967</b>	<b>8643</b>	<b>22900</b>	<b>257146</b>
All regions	Road	351232	701472	23002	1836	41701	156654	1275898
	Rail	49206	119913	4322	131	13301	59794	246667
	IWT	37	9410	314	0	1424	2259	13443
	<b>All modes</b>	<b>400474</b>	<b>830795</b>	<b>27638</b>	<b>1967</b>	<b>56425</b>	<b>218708</b>	<b>1536008</b>



**Table 153: Exports 10 Petroleum Products 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	2938	3953	0	0	7	1288	8187
	Rail	1734	1128	0	0	15	431	3307
	IWT	0	139	0	0	0	29	168
	<b>All modes</b>	<b>4672</b>	<b>5220</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>1748</b>	<b>11662</b>
2 South East	Road	50162	2113	0	0	0	646	52921
	Rail	55323	416	0	0	0	168	55907
	IWT	2227	29	0	0	0	7	2263
	<b>All modes</b>	<b>107712</b>	<b>2559</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>821</b>	<b>111091</b>
3 South Muntenia	Road	38471	8096	818	0	350	3493	51228
	Rail	36303	2325	307	0	420	2508	41862
	IWT	0	365	62	0	44	131	602
	<b>All modes</b>	<b>74774</b>	<b>10786</b>	<b>1186</b>	<b>0</b>	<b>814</b>	<b>6132</b>	<b>93692</b>
4 South West Oltenia	Road	2340	5537	0	0	4	1241	9121
	Rail	2106	1427	0	0	4	361	3898
	IWT	0	73	0	0	0	11	84
	<b>All modes</b>	<b>4446</b>	<b>7037</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>1613</b>	<b>13104</b>
5 West	Road	6796	13578	0	0	33	131	20539
	Rail	2216	2646	0	0	55	215	5132
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>9012</b>	<b>16224</b>	<b>0</b>	<b>0</b>	<b>88</b>	<b>347</b>	<b>25670</b>
6 North West	Road	7483	95696	0	0	704	2716	106598
	Rail	9147	17808	0	0	1007	4059	32021
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>16629</b>	<b>113504</b>	<b>0</b>	<b>0</b>	<b>1712</b>	<b>6774</b>	<b>138620</b>
7 Center	Road	3650	14596	0	0	0	1172	19418
	Rail	1168	5325	0	0	0	391	6884
	IWT	0	29	0	0	0	0	29
	<b>All modes</b>	<b>4818</b>	<b>19951</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1562</b>	<b>26331</b>
8 Bucharest Ilfov	Road	10019	4997	0	321	0	0	15337
	Rail	3343	1172	0	120	0	0	4636
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>13363</b>	<b>6169</b>	<b>0</b>	<b>442</b>	<b>0</b>	<b>0</b>	<b>19973</b>
All regions	Road	128655	162144	818	321	1132	10819	303888
	Rail	113555	34894	307	120	1555	8348	158779
	IWT	2227	635	62	0	44	179	3146
	<b>All modes</b>	<b>244437</b>	<b>197673</b>	<b>1186</b>	<b>442</b>	<b>2730</b>	<b>19345</b>	<b>465813</b>



**Table 154: Exports 11 Mail & Parcels 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	7	47	0	0	4	62	120
	Rail	0	4	0	0	0	4	7
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>7</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>66</b>	<b>128</b>
<b>2 South East</b>	Road	102	18	0	3891	0	4	4015
	Rail	22	7	0	3665	0	4	3697
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>124</b>	<b>26</b>	<b>0</b>	<b>7556</b>	<b>0</b>	<b>7</b>	<b>7712</b>
<b>3 South Muntenia</b>	Road	95	157	0	0	4	47	303
	Rail	7	22	0	0	7	29	66
	IWT	0	4	0	0	0	0	4
	<b>All modes</b>	<b>102</b>	<b>183</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>77</b>	<b>372</b>
<b>4 South West Oltenia</b>	Road	102	106	0	0	7	11	226
	Rail	4	7	0	0	0	0	11
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>106</b>	<b>113</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>11</b>	<b>237</b>
<b>5 West</b>	Road	15	2029	11	0	26	164	2245
	Rail	0	175	0	0	4	7	186
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>15</b>	<b>2205</b>	<b>11</b>	<b>0</b>	<b>29</b>	<b>172</b>	<b>2431</b>
<b>6 North West</b>	Road	0	2216	11	0	29	51	2307
	Rail	0	124	0	0	0	0	124
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>2340</b>	<b>11</b>	<b>0</b>	<b>29</b>	<b>51</b>	<b>2431</b>
<b>7 Center</b>	Road	18	445	4	0	4	197	668
	Rail	0	11	0	0	0	0	11
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>18</b>	<b>456</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>197</b>	<b>679</b>
<b>8 Bucharest Ilfov</b>	Road	259	770	4	0	204	256	1493
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>259</b>	<b>770</b>	<b>4</b>	<b>0</b>	<b>204</b>	<b>256</b>	<b>1493</b>
<b>All regions</b>	Road	613	7818	40	3891	303	956	13622
	Rail	33	526	0	3665	15	51	4289
	IWT	0	4	0	0	0	0	4
	<b>All modes</b>	<b>646</b>	<b>8348</b>	<b>40</b>	<b>7556</b>	<b>318</b>	<b>1007</b>	<b>17914</b>

**Table 155: Exports 12 Manufactured Goods 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	11414	16819	737	0	1865	4968	35803
	Rail	80	394	69	0	88	37	668
	IWT	0	464	15	0	51	84	613
	<b>All modes</b>	<b>11494</b>	<b>17677</b>	<b>821</b>	<b>0</b>	<b>2004</b>	<b>5088</b>	<b>37084</b>
2 South East	Road	116636	12979	409	2894	7702	5026	145646
	Rail	33963	3650	190	2347	4701	2011	46862
	IWT	4785	639	405	0	10884	1902	18615
	<b>All modes</b>	<b>155384</b>	<b>17268</b>	<b>1004</b>	<b>5241</b>	<b>23287</b>	<b>8939</b>	<b>211123</b>
3 South Muntenia	Road	44348	26134	1840	606	2037	9224	84187
	Rail	1442	354	0	4	47	836	2683
	IWT	0	1281	102	0	95	146	1624
	<b>All modes</b>	<b>45789</b>	<b>27769</b>	<b>1942</b>	<b>610</b>	<b>2179</b>	<b>10205</b>	<b>88494</b>
4 South West Oltenia	Road	16421	22031	1427	15	748	3504	44147
	Rail	1661	1960	51	7	80	281	4041
	IWT	226	679	4	0	241	55	1205
	<b>All modes</b>	<b>18308</b>	<b>24670</b>	<b>1482</b>	<b>22</b>	<b>1069</b>	<b>3840</b>	<b>49392</b>
5 West	Road	24820	478179	1515	0	80603	358477	943594
	Rail	5544	224230	146	0	122341	539386	891648
	IWT	0	0	0	0	15	0	15
	<b>All modes</b>	<b>30364</b>	<b>702410</b>	<b>1661</b>	<b>0</b>	<b>202958</b>	<b>897864</b>	<b>1835257</b>
6 North West	Road	9454	416845	3132	569	4019	21984	456002
	Rail	1818	45519	193	95	610	4176	52410
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>11271</b>	<b>462364</b>	<b>3325</b>	<b>664</b>	<b>4628</b>	<b>26160</b>	<b>508412</b>
7 Center	Road	8676	86246	4563	2876	4763	28324	135448
	Rail	150	774	40	0	0	1161	2124
	IWT	0	880	22	0	95	128	1124
	<b>All modes</b>	<b>8826</b>	<b>87899</b>	<b>4625</b>	<b>2876</b>	<b>4858</b>	<b>29612</b>	<b>138696</b>
8 Bucharest Ilfov	Road	194165	50808	526	4	4891	14385	264778
	Rail	77	0	0	0	0	0	77
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>194242</b>	<b>50808</b>	<b>526</b>	<b>4</b>	<b>4891</b>	<b>14385</b>	<b>264855</b>
All regions	Road	450753	1588221	15662	6964	187230	804369	3053199
	Rail	50279	501112	836	2453	250208	1087273	1892160
	IWT	5011	3942	548	0	11395	2314	23210
	<b>All modes</b>	<b>506043</b>	<b>2093275</b>	<b>17046</b>	<b>9417</b>	<b>448833</b>	<b>1893956</b>	<b>4968570</b>

**Table 156: Exports 13 Domestic & Industrial Waste 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2 South East</b>	Road	7	0	0	0	0	0	7
	Rail	7	0	0	0	0	0	7
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>3 South Muntenia</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>4 South West Oltenia</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>5 West</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>6 North West</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>7 Center</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>8 Bucharest Ilfov</b>	Road	0	0	0	0	0	0	0
	Rail	0	0	0	0	0	0	0
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>All regions</b>	Road	7	0	0	0	0	0	7
	Rail	7	0	0	0	0	0	7
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>

**Table 157: Exports 14 Forestry Products 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	3770	15969	628	0	2508	3851	26725
	Rail	869	3562	99	0	737	960	6227
	IWT	0	343	0	0	91	55	489
	<b>All modes</b>	<b>4639</b>	<b>19874</b>	<b>726</b>	<b>0</b>	<b>3336</b>	<b>4865</b>	<b>33441</b>
2 South East	Road	24010	6672	62	668	2329	1351	35091
	Rail	6778	1956	51	628	1405	701	11519
	IWT	1537	303	117	0	3256	551	5763
	<b>All modes</b>	<b>32324</b>	<b>8932</b>	<b>230</b>	<b>1296</b>	<b>6990</b>	<b>2602</b>	<b>52374</b>
3 South Muntenia	Road	10278	13870	675	0	1617	3340	29780
	Rail	2511	3292	146	0	190	445	6585
	IWT	0	613	47	0	11	55	726
	<b>All modes</b>	<b>12790</b>	<b>17776</b>	<b>869</b>	<b>0</b>	<b>1818</b>	<b>3840</b>	<b>37091</b>
4 South West Oltenia	Road	4997	3544	2022	47	230	730	11571
	Rail	1639	569	365	26	131	445	3176
	IWT	434	296	117	0	201	47	1095
	<b>All modes</b>	<b>7070</b>	<b>4409</b>	<b>2504</b>	<b>73</b>	<b>562</b>	<b>1223</b>	<b>15841</b>
5 West	Road	6041	68594	818	0	26	16885	92363
	Rail	1591	12877	131	0	110	2540	17250
	IWT	0	153	0	0	0	4	157
	<b>All modes</b>	<b>7632</b>	<b>81625</b>	<b>949</b>	<b>0</b>	<b>135</b>	<b>19429</b>	<b>109770</b>
6 North West	Road	1285	222573	3577	0	12286	6242	245963
	Rail	318	36814	759	0	3427	5789	47107
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>1602</b>	<b>259387</b>	<b>4336</b>	<b>0</b>	<b>15713</b>	<b>12030</b>	<b>293069</b>
7 Center	Road	2818	82508	2018	0	8720	19360	115424
	Rail	438	19787	391	0	2088	4347	27050
	IWT	0	529	22	0	66	77	694
	<b>All modes</b>	<b>3256</b>	<b>102824</b>	<b>2431</b>	<b>0</b>	<b>10873</b>	<b>23783</b>	<b>143168</b>
8 Bucharest Ilfov	Road	55885	10691	664	0	3909	6274	77424
	Rail	13399	2435	172	0	905	1431	18341
	IWT	0	161	7	0	40	37	245
	<b>All modes</b>	<b>69284</b>	<b>13286</b>	<b>843</b>	<b>0</b>	<b>4855</b>	<b>7742</b>	<b>96010</b>
All regions	Road	115125	493016	11282	715	31649	74916	726704
	Rail	29134	94170	2245	653	9103	19199	154505
	IWT	1971	2551	310	0	3665	829	9326
	<b>All modes</b>	<b>146230</b>	<b>589738</b>	<b>13837</b>	<b>1369</b>	<b>44417</b>	<b>94944</b>	<b>890534</b>

**Table 158: Exports 15 Livestock 2040 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
1 North East	Road	3913	2880	0	0	69	1132	7994
	Rail	44	73	0	0	0	0	117
	IWT	0	128	0	0	0	7	135
	<b>All modes</b>	<b>3957</b>	<b>3081</b>	<b>0</b>	<b>0</b>	<b>69</b>	<b>1139</b>	<b>8245</b>
2 South East	Road	1146	504	0	0	0	2529	4179
	Rail	55	212	0	0	0	1278	1544
	IWT	0	22	0	0	0	44	66
	<b>All modes</b>	<b>1201</b>	<b>737</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3851</b>	<b>5789</b>
3 South Muntenia	Road	9410	7457	704	0	0	2811	20382
	Rail	920	325	102	0	0	0	1347
	IWT	0	369	0	0	0	80	449
	<b>All modes</b>	<b>10330</b>	<b>8150</b>	<b>807</b>	<b>0</b>	<b>0</b>	<b>2891</b>	<b>22177</b>
4 South West Oltenia	Road	1570	2121	7	0	0	0	3697
	Rail	110	58	0	0	0	0	168
	IWT	0	88	0	0	0	0	88
	<b>All modes</b>	<b>1679</b>	<b>2267</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3953</b>
5 West	Road	1285	46986	818	0	3092	13465	65645
	Rail	62	4398	66	0	303	2022	6851
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>1347</b>	<b>51385</b>	<b>883</b>	<b>0</b>	<b>3395</b>	<b>15487</b>	<b>72496</b>
6 North West	Road	3665	62619	1865	0	0	5869	74018
	Rail	803	6950	183	0	0	1380	9315
	IWT	0	0	0	0	0	0	0
	<b>All modes</b>	<b>4468</b>	<b>69569</b>	<b>2048</b>	<b>0</b>	<b>0</b>	<b>7249</b>	<b>83333</b>
7 Center	Road	6574	20889	0	0	69	11136	38668
	Rail	223	3143	0	0	11	1110	4486
	IWT	0	135	0	0	0	73	208
	<b>All modes</b>	<b>6796</b>	<b>24167</b>	<b>0</b>	<b>0</b>	<b>80</b>	<b>12319</b>	<b>43362</b>
8 Bucharest Ilfov	Road	45450	21112	0	0	0	7986	74548
	Rail	3774	1365	0	0	0	580	5720
	IWT	0	982	0	0	0	157	1139
	<b>All modes</b>	<b>49224</b>	<b>23459</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8724</b>	<b>81406</b>
All regions	Road	74296	211554	4212	0	6322	58393	354776
	Rail	6052	20922	416	0	617	8391	36398
	IWT	0	1723	0	0	0	361	2084
	<b>All modes</b>	<b>80347</b>	<b>234199</b>	<b>4628</b>	<b>0</b>	<b>6939</b>	<b>67145</b>	<b>393258</b>

The above information is useful also in the next stage for identifying the IWT potential for Romanian imports from DR countries.

### **7.3 Conclusions on related routes by type of goods and related distribution by transport mode/combination of transport modes, for each time horizon**

#### **Bulgaria**

There is a perspective in developing and modernizing the European transport corridors, which pass through Bulgaria. There are plans for investments in the restoration and modernization of the transport infrastructure, which will be made before 2040.

There will be special emphasis on the development of the combined transport as a modern and effective way of cargo transportation.

Agricultural products, cereals and oilseeds in particular, will take the biggest share of the transported cargo in the future. The second place will be for raw materials, followed by products of the chemical industry, fuels and other cargo. Coal shipments will be significantly reduced

#### **Romania**

The growth 2040 – 2020 for imports and exports in relation with the DR countries is shown below.

#### **Imports**

Highest growth for all regions is shown by rail, with a growth factor of 1.99. IWT growth is 1.71, and road one is 1.54. It is mentioned that high growth rates are shown for low initial 2020 volumes of freight.

**Table 159: Imports growth 2040 – 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	1,49	1,58	1,55	0,00	1,82	2,03	1,65
	Rail	3,14	2,98	5,53	0,00	1,91	1,85	2,52
	IWT	0,00	5,15	5,20	0,00	5,03	5,20	5,15
	<b>All modes</b>	1,78	1,86	1,92	0,00	1,96	2,03	1,89
<b>2 South East</b>	Road	3,20	2,03	3,92	4,70	4,06	2,94	3,14
	Rail	4,02	1,88	5,09	5,13	2,96	1,56	3,35
	IWT	1,37	2,11	1,41	0,00	1,38	1,93	1,46
	<b>All modes</b>	2,83	2,00	1,91	4,90	1,92	2,04	2,51
<b>3 South Muntenia</b>	Road	2,02	1,64	1,61	2,92	2,35	2,38	1,95
	Rail	2,39	2,57	6,35	5,31	1,64	1,67	2,19
	IWT	1,75	7,07	2,23	0,00	2,98	6,02	4,62
	<b>All modes</b>	2,12	1,96	1,99	3,53	2,17	2,15	2,09
<b>4 South West Oltenia</b>	Road	1,75	1,63	1,59	2,18	2,03	1,96	1,73
	Rail	2,98	3,75	6,10	5,07	1,87	1,80	2,87
	IWT	1,19	5,86	1,72	0,00	1,67	3,36	1,74
	<b>All modes</b>	1,84	1,96	1,81	2,64	1,89	1,98	1,90
<b>5 West</b>	Road	1,54	1,75	1,48	1,20	3,14	2,86	1,89
	Rail	3,18	2,78	4,82	0,00	1,48	1,53	1,94
	IWT	1,34	5,58	1,78	0,00	4,33	4,92	3,14
	<b>All modes</b>	1,77	1,91	1,65	1,20	1,97	1,94	1,91
<b>6 North West</b>	Road	1,47	1,70	1,66	1,60	1,95	2,60	1,75
	Rail	3,49	4,02	5,15	4,61	1,67	1,59	2,54
	IWT	6,59	-	-	-	-	-	6,59
	<b>All modes</b>	1,71	1,86	1,96	1,88	1,81	1,95	1,87
<b>7 Center</b>	Road	1,42	1,49	1,56	1,59	1,60	1,61	1,51
	Rail	4,03	4,56	5,07	5,82	2,71	2,72	3,83
	IWT	0,00	8,04	9,61	0,00	7,57	8,50	8,06
	<b>All modes</b>	1,68	1,78	1,84	1,69	1,82	1,81	1,78
<b>8 Bucharest Ilfov</b>	Road	1,48	1,40	1,36	1,49	1,48	1,51	1,46
	Rail	4,12	4,78	6,27	5,28	3,16	3,12	4,08
	IWT	-	7,34	7,57	-	8,21	7,97	7,55
	<b>All modes</b>	1,74	1,78	1,78	1,85	1,85	1,85	1,76
<b>All regions</b>	Road	1,87	1,32	1,82	2,46	2,05	1,82	1,54
	Rail	3,43	2,40	5,15	5,13	1,29	1,12	1,99
	IWT	1,34	4,04	1,45	-	1,51	2,58	1,71
	<b>All modes</b>	2,09	1,47	1,87	3,12	1,62	1,46	1,65

**Table 160: Exports growth 2040 – 2020 NTM**

Region RO	Tr. mode	Bulgaria	Hungary	Slovakia	Croatia	Austria	Germany	Total
<b>1 North East</b>	Road	1,45	1,55	1,56	0,00	1,78	1,87	1,60
	Rail	3,04	3,72	9,12	0,00	2,78	2,26	2,94
	IWT	0,00	6,00	5,26	0,00	6,57	7,04	6,16
	<b>All modes</b>	1,64	1,76	1,76	0,00	1,99	1,98	1,79
<b>2 South East</b>	Road	2,94	1,94	3,56	4,32	4,90	3,48	3,20
	Rail	4,08	1,75	5,47	5,37	4,34	1,73	3,46
	IWT	1,40	1,43	1,23	0,00	1,14	1,17	1,23
	<b>All modes</b>	2,70	1,78	1,92	4,76	1,92	1,79	2,33
<b>3 South Muntenia</b>	Road	1,74	1,62	1,54	2,02	2,13	2,12	1,75
	Rail	2,81	3,28	13,65	7,71	1,83	1,86	2,55
	IWT	2,85	11,05	9,21	0,00	3,46	7,41	7,58
	All modes	1,90	1,85	1,77	2,16	2,09	2,06	1,91
<b>4 South West Oltenia</b>	Road	2,32	1,67	1,71	4,29	3,92	2,09	2,21
	Rail	3,23	7,78	7,76	5,39	5,91	3,60	3,93
	IWT	1,40	3,89	1,45	0,00	1,16	1,18	1,35
	All modes	2,07	1,91	1,85	4,64	2,11	2,00	2,07
<b>5 West</b>	Road	1,51	1,79	1,47	1,12	3,26	3,05	1,97
	Rail	7,48	2,90	11,09	0,00	1,66	1,66	2,01
	IWT	7,16	10,39	4,31	0,00	6,20	7,58	8,17
	All modes	1,77	1,93	1,61	1,12	2,13	2,10	1,98
<b>6 North West</b>	Road	1,54	1,68	1,65	1,70	1,88	2,47	1,73
	Rail	3,00	4,34	17,13	6,51	1,91	1,70	2,76
	IWT	10,98	0,00	0,00	0,00	0,00	0,00	10,98
	All modes	1,75	1,83	1,98	1,97	1,89	2,06	1,86
<b>7 Center</b>	Road	1,44	1,48	1,57	1,65	1,62	1,58	1,50
	Rail	2,50	4,83	7,57	198,94	2,16	1,94	3,22
	IWT	0,00	9,22	11,26	0,00	8,78	7,09	8,86
	All modes	1,57	1,67	1,77	1,74	1,71	1,65	1,66
<b>8 Bucharest Ilfov</b>	Road	1,48	1,44	1,42	1,50	1,49	1,50	1,47
	Rail	8,60	10,14	9,73	12,77	11,00	14,82	9,25
	IWT	0,00	11,97	14,16	0,00	20,31	17,59	12,69
	All modes	1,60	1,59	1,63	1,62	1,64	1,65	1,60
<b>All regions</b>	Road	1,79	1,32	1,61	3,32	2,60	1,82	1,55
	Rail	3,85	2,50	9,72	5,41	1,84	1,12	1,96
	IWT	1,40	2,82	1,34	0,00	1,15	1,24	1,30
	<b>All modes</b>	1,97	1,44	1,82	3,98	1,74	1,42	1,60



Highest growth for all regions is shown by rail, with a growth factor of 1.96. IWT growth is 1.3, and road one is 1.55.

## 8 Conclusions

### 8.1 On main corridors

#### Romania

The main corridors of interest for IWT are the following:

- I. Exports and imports of the regions in South and South-East of Romania in relation with the DR countries;
- II. Hinterland of the Port of Constanta for both Romanian regions and DR countries

Therefore, the flows identified in the current report will be considered on the two main corridors to identify the potential for IWT transport.

#### Bulgaria

There is a significant potential of attracting cargo from the road transport to the combined IWW-railway-road transport when creating the appropriate conditions; in this case the increase is in the segments of international transport, which means that achieving its full potential depends not only on Bulgaria but also on other countries from, to and through which transport is carried out.

Stable, but relatively limited, is the growth of the cargo turnover through the river ports, limited mainly by the geographical location of the river ports on the Danube, the opportunities for organizing and maintaining economically viable regular services with block trains to and from ports requires additional analyzes and studies.

The main economic centers, which have a potential for the building of intermodal terminals to service the demand for combined railway-road transport: Ruse, Vidin and Lom

The following directions of analysis will be considered from the current report for identifying the IWT potential for the DR countries:

### 8.2 On the main routes by corridor and type of goods, and distribution by transport mode/combination of transport modes

#### Bulgaria

The most important trends for the development of logistics chains, logistics infrastructure and logistics centres at river ports are:

- ❑ the need to build new and modern logistics centres;
- ❑ multifunctionality of the logistic centres;
- ❑ implementing new information technologies in the context of „third wave" e-commerce;
- ❑ increased requirements for the management of material flows. The introduction of new technological plans for the management of material flows and changes in the structure of logistics chains;

- ❑ concentration of more activities and functions by creating an integrated management environment.
- ❑ multimodal channels for physical distribution with optimization of transport schemes, using the advantages of the different types of transport.
- ❑ bringing the logistics infrastructure in compliance to the new requirements;

## **Romania**

In order to enhance the IWT on the two main corridors identified for Romania, the following will be considered:

- securing a full year operation on the Danube for IWT, thus securing the minimum depth of 2.5 meters all along the year.
- Increasing accessibility of the Romanian Danube ports from the regions of interest located especially in the South and South-East of Romania, in order to facilitate a high level service for freight transport;
- Optimizing the Romanian Danube ports handling and storage capacities;
- Optimizing the transport costs all along the route from the region of Production to the region of Consumption of goods, for each category of freight of interest, to increase the competitiveness of IWT against the road transport.

These aspects will be considered in the next report, D.T 1.2.3, for estimating the potential for IWT by each category of goods and Origin-Destination relations.