

Introduction of the EU interactive maps of traffic, transport volume and technical characteristics

16 November 2021

EUROPEAN YEAR
OF RAIL 2021



Data collection

- **Data gathering** from several sources for **year 2015**, mainly **UNECE census** for road and rail
- **Complementary** data obtained from **national sources** wherever necessary (Italian toll motorways association, Croatian national transport model...)
- **Inland waterway** traffic calculated using an **assignment** model based on **origin-destination matrices** obtained from **national sources**
- **Revision of data** by national experts + completion of gaps

Data representation

- **Rail map** displaying 2015 traffics on the rail sections, with distinction between passenger and freight
- **Road map** displaying 2015 traffics on the road sections
- **IWW map** displaying 2015 traffics on the IWW sections
- **Aggregated map of 2015 traffics displayed** on the **representative railway section** in each corridor → a line can represent several roads, rails and IWW sections all together

Data representation

- Traffic is converted from **trains** into net tonnes using conversion tables based on national averages (including **empty** circulations)
- Traffic is converted from **trucks** into tonnes using a general EU average of 14 net tonnes per HGV, including **empty** trips

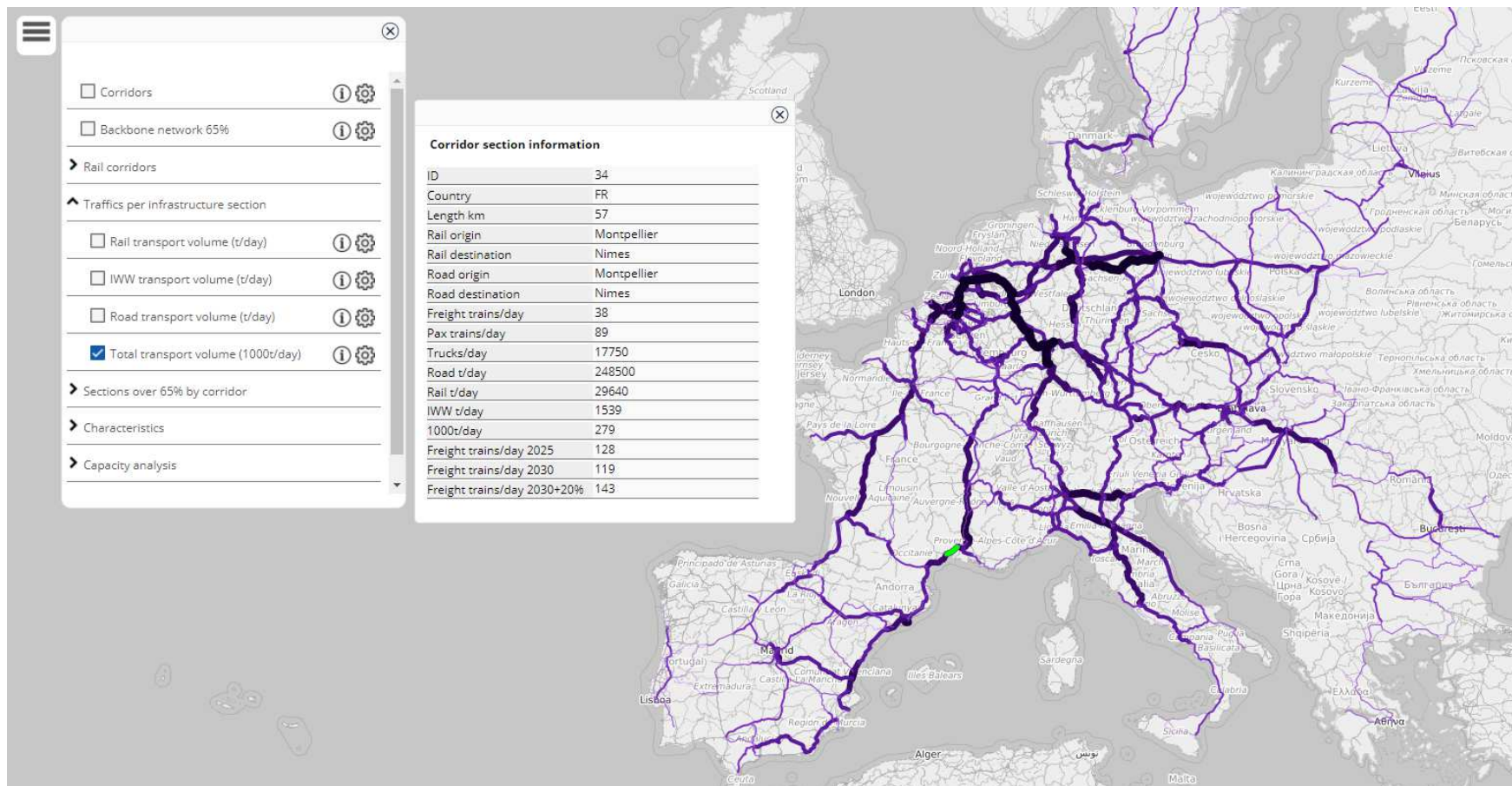
TABLES AND MAPS OF THE EU LAND TRAFFIC

Traffic table example

ID1	Origin rail	Destination rail	Origin road	Destination road	Name road	Country code	Comments	Length	cor1	cor2	cor3	cor4	cor5	cor6	cor7	cor8	cor9	feeder	backup
1	Marseille	Miramas	Marseille	Miramas	A-7	FR	Trucks merged from section 3	52.499	-	1	-	-	-	-	-	-	-	-	-
2	Miramas	Tarascon	Miramas	Tarascon	D-17	FR		46.418	-	1	-	-	-	-	-	-	-	-	-
3	Tarascon	Avignon	Tarascon	Avignon	D-35/D-2/A-9	FR		21.138	-	1	-	-	-	1	-	-	-	-	-
4	Avignon	Valence	Avignon	Valence	A-7	FR		122.97	-	1	-	-	-	1	-	-	-	-	-
5	Valence	Lyon	Valence	Lyon	A-7	FR		0.0467	-	1	-	-	-	1	-	-	-	-	-
5	Valence	Lyon	Valence	Lyon	A-7	FR		100.14	-	1	-	-	-	1	-	-	-	-	-

ID1	Freight				Tonnes rail	Tonnes road	Tonnes IWW	Total 1000 tonnes	Total 1000 tonnes/km
	Trains	Pax trains	trains	Trucks					
1	86	61	25	3537	19500	49518	8843	78	4088
2	89	61	28	2509	21840	35126	8843	66	3055
3	102	61	41	14325	31980	200550	10079	243	5128
4	76	35	41	18602	31980	260428	10079	302	37196
5	189	129	60	19972	46800	279608	10079	336	16
5	189	129	60	19972	46800	279608	10079	336	33694

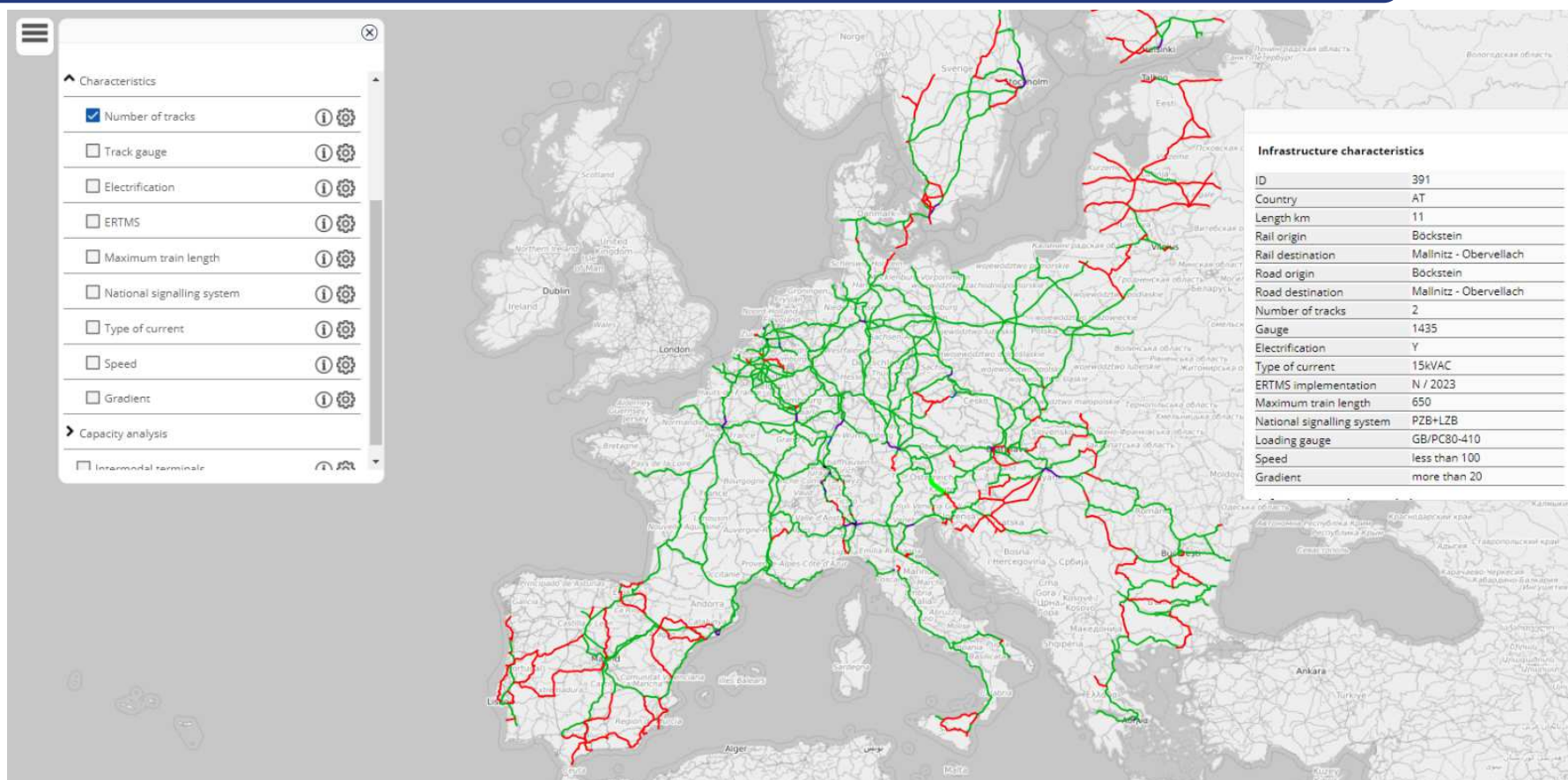
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Example of total traffic map



TABLES AND MAPS OF THE EU LAND TRAFFIC



Example of characteristics map

