



Intermodal statistics on IWW in the Netherlands

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UNECE WP 6, 12-14 June 2018, Geneva

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Context



The screenshot shows the top navigation bar of the European Commission website. The main heading is 'MOBILITY AND TRANSPORT'. Below it, the breadcrumb trail reads: 'European Commission > Transport > Transport themes > European strategies > White paper 2011'. The navigation menu includes 'Home', 'Transport Modes', 'Transport Themes', 'Media Corner', 'Facts & Fundings', and 'About Us'. The page title is 'European strategies' and 'White paper 2011'. A search bar is present. The main content area features a sub-heading 'Roadmap to a Single European Transport Area - Towards a competitive and resource efficient transport system' and a brief description: 'The European Commission adopted a roadmap of 40 concrete...'. There are also image thumbnails for 'The Future of our Mobility... Today' and 'European strategies'.

goal: shift from road (> 300 km) to rail and inland waterways.
Impact on the infrastructure.

- No more conventionally-fuelled cars in cities.
- 40% use of sustainable low carbon fuels in aviation; at least 40% cut in shipping emissions.
- A 50% shift of medium distance intercity passenger and freight journeys from road to rail and waterborne transport.
- All of which will contribute to a 60% cut in transport emissions by the middle of the century.

Watch the [video](#) on the White Paper, check out the 50 Facts and Figures on Transport or download the [illustrated brochure](#).

The video, the 50 Facts and Figures and the brochure are also available in the following languages: Deutsch, español, français, italiano, polski.

- [The White Paper](#)
- [Commission staff working document accompanying the White Paper](#)
- [Unofficial translation of the Commission staff working document accompanying the White Paper](#)
- [The Impact Assessment](#)
- [The executive summary of the Impact Assessment](#)



Actions to facilitate intermodal transport

1. Increase **bridge clearance**¹⁾ , **fairway depth and width**, **lock capacity** to facilitate four-layer container traffic
2. Consider the increasing use of high cube containers: 1 ft (0,305m) higher than standard containers.
3. The old standard was 9.10m (UNECE report 1992 : “Standardization of Inland Waterways”)
4. 4 layers high cube need : 11.35m bridge clearance

¹⁾ **Bridge clearance:** the distance between the water surface and the lowest point of the bridge (source : *Eu 2015: Inland Waterway Transport in Europe: no significant improvements in modal share and navigability conditions since 2001*)



Infrastructure

MSC LA Blanca with 4 layers
containers



Source: Binnenvaart.web-log.nl

Data sources



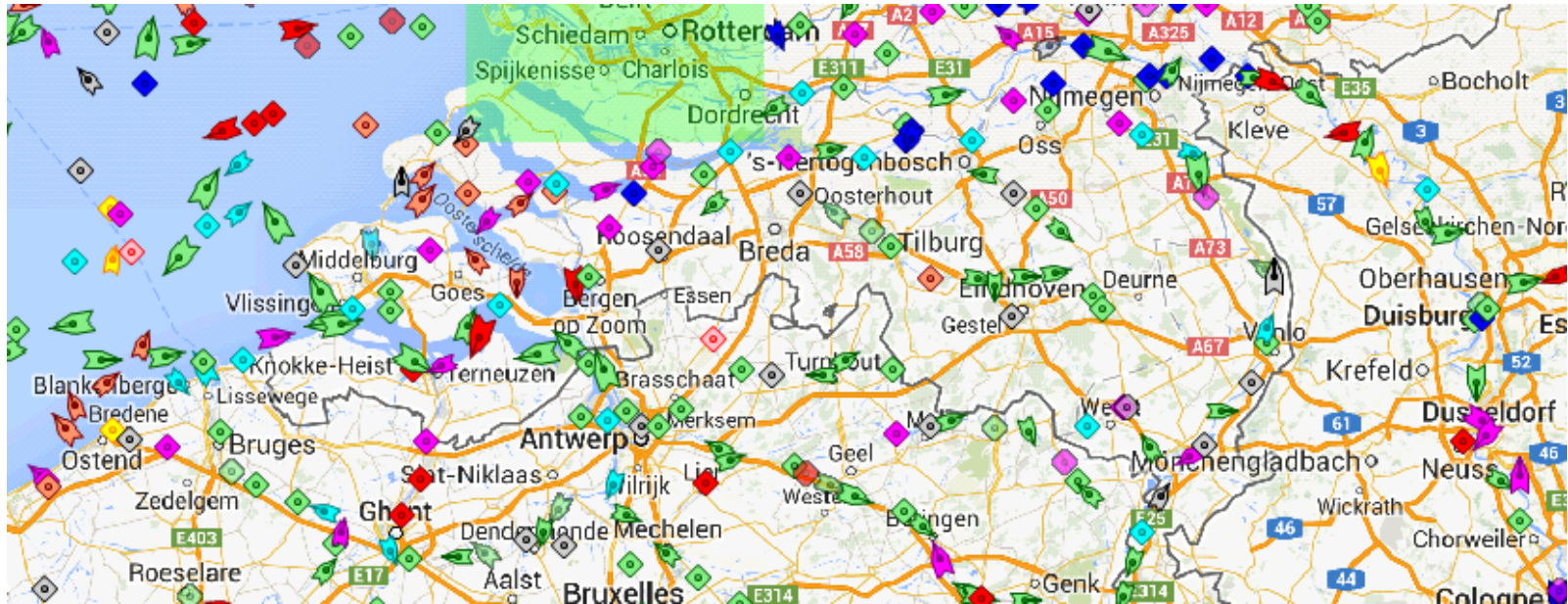
Data source

- Shippers must report each journey to the IVS-system of the Ministry of Transport (Information and Tracking System for Shipping Traffic=River Information System)
- (Almost)all international journeys are reported in that system
- Most national ones as well
- So: IVS has become our main supplier of information
- Additional information from some terminals in the maritime ports
- ACTUAL: redesign of the production system



New developments: AIS data IWW

which vessels are on the national waterways?



Statistical Results



Statistics on Inland Waterways

Legal base: the Regulation (EC) No 1365/2006
Commission Regulations 425/2007 and 1304/2007

2017:

Total:

1 000 000 tonnes / day

Containers:

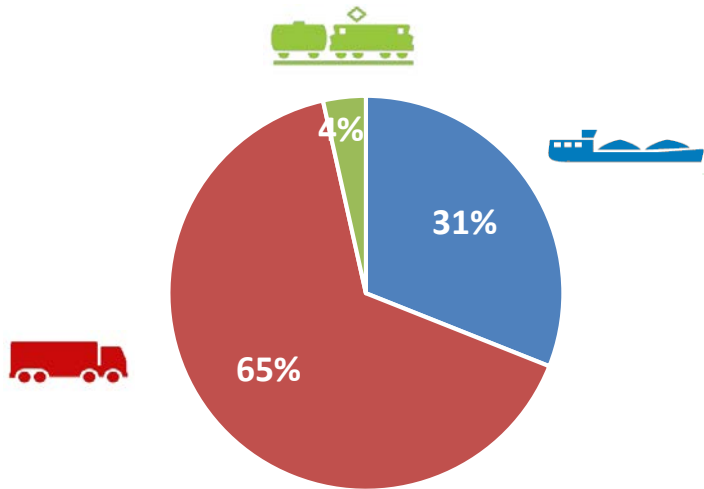
> 100 000 TEU / week

1 000 000 tonnes / week

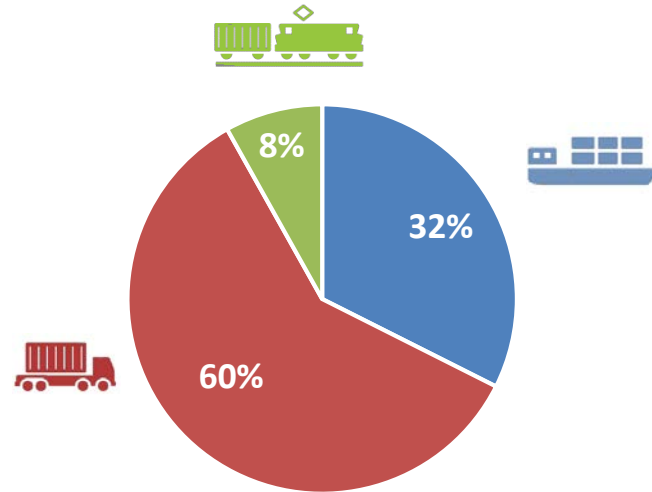


Modal split, 2017

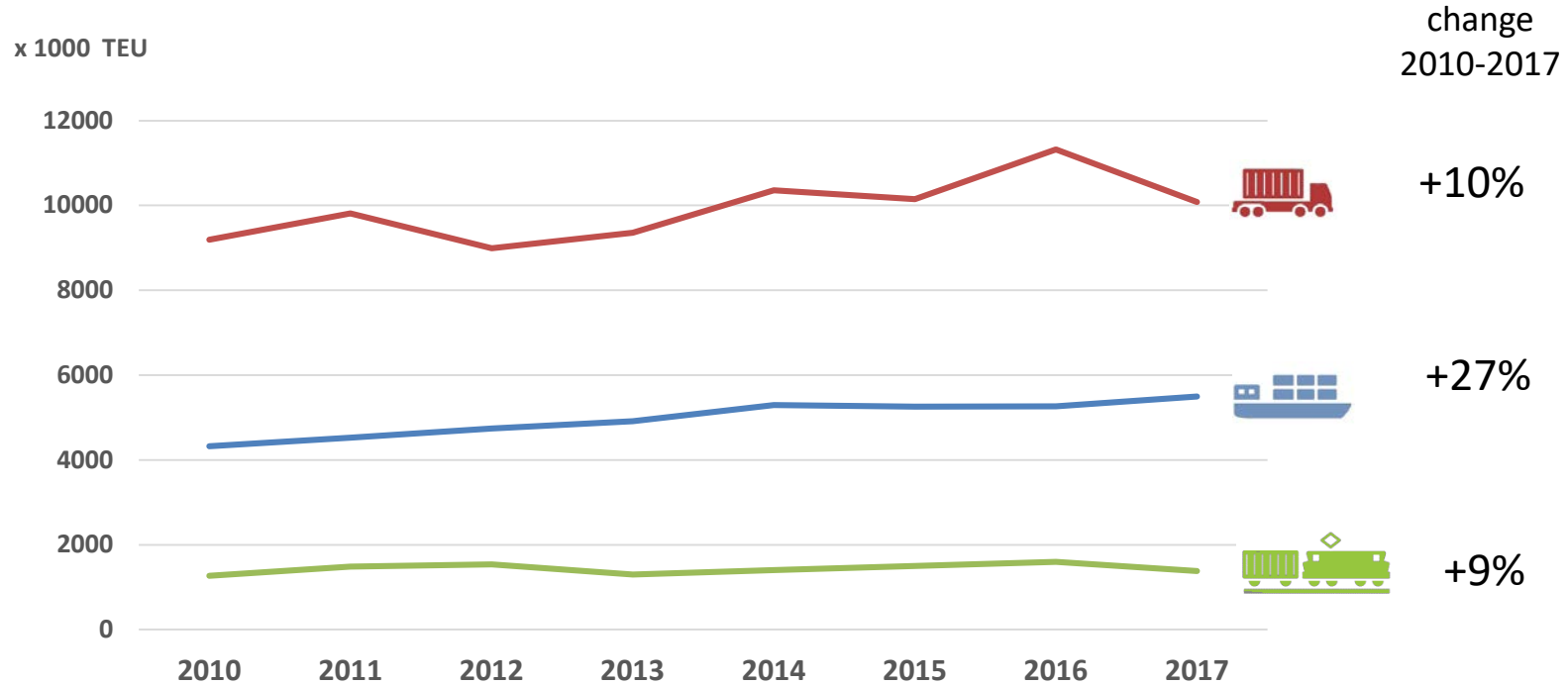
Tonnes
(bulk, containers..)



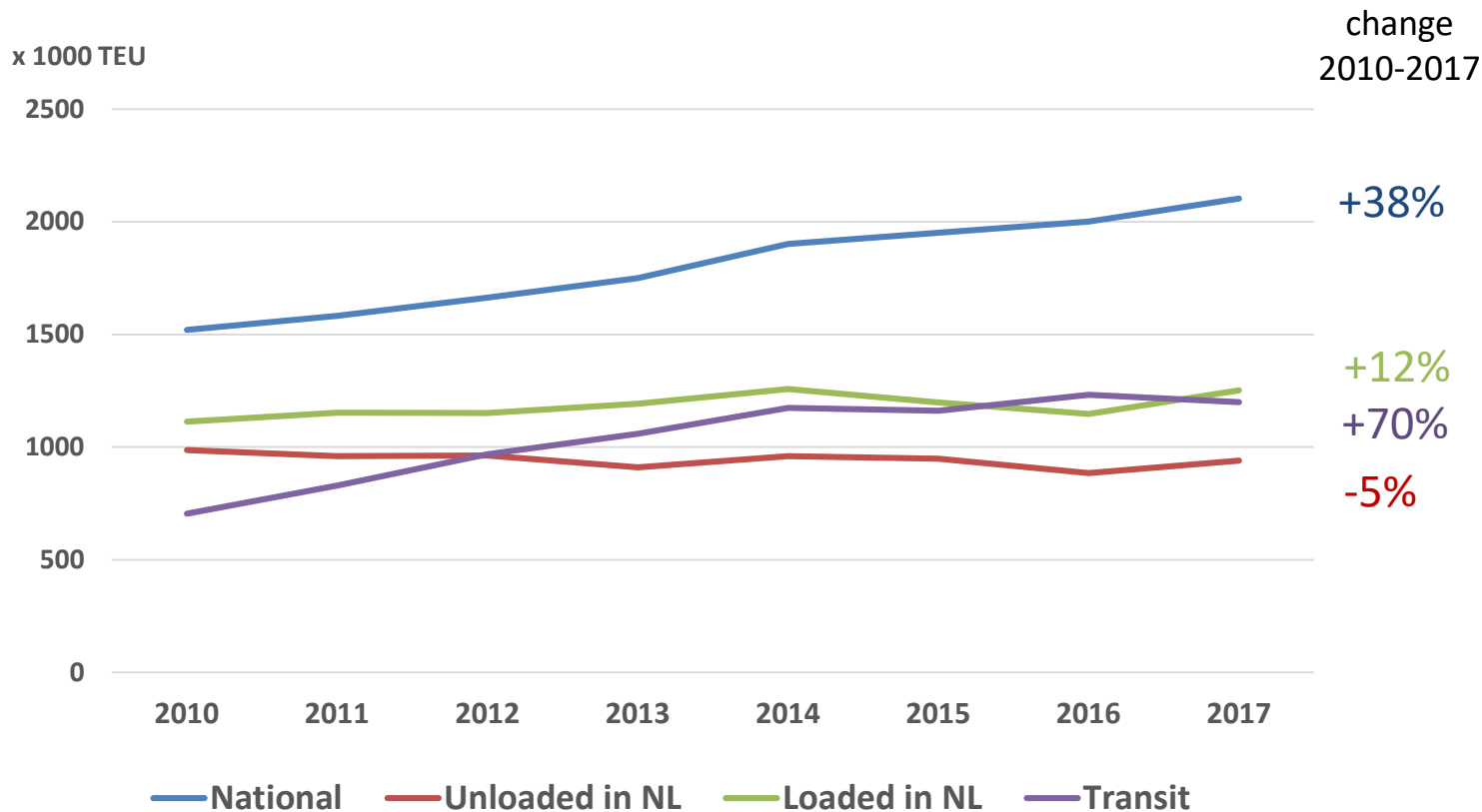
TEU



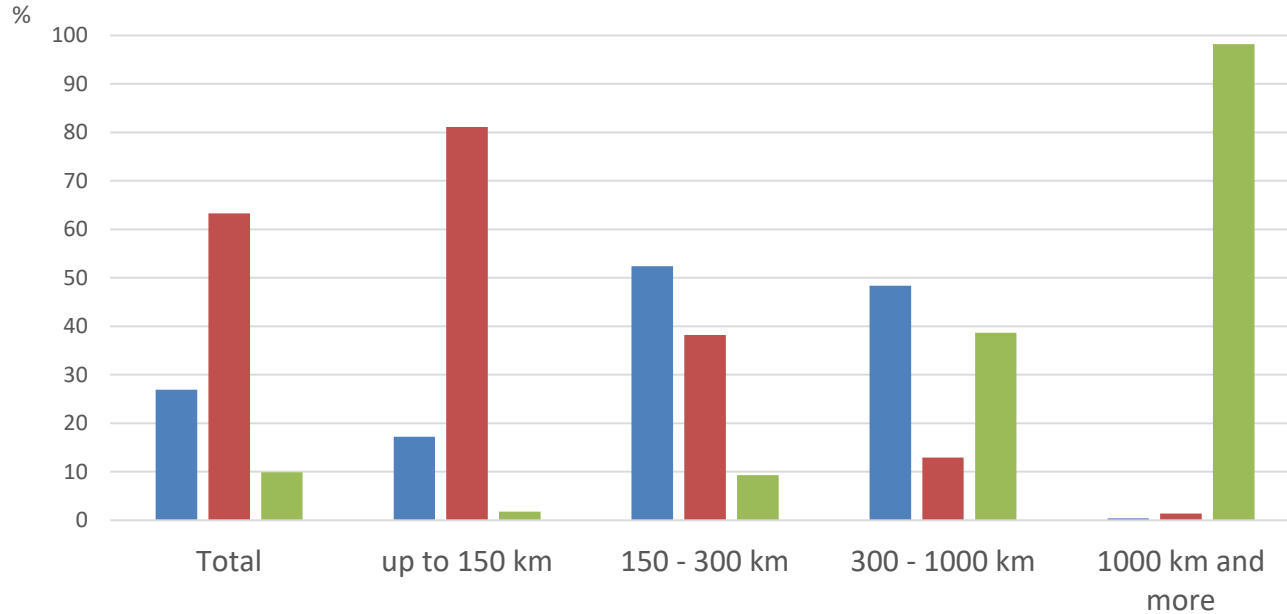
Modal split container transport



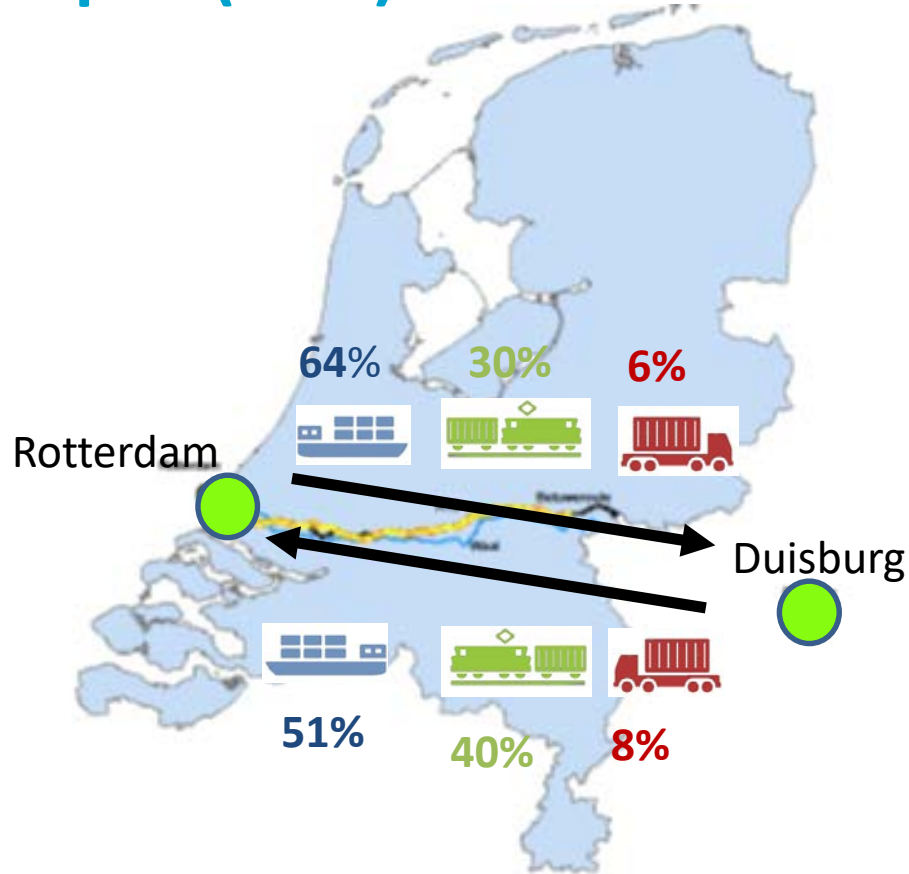
Container transport via IWW in NL



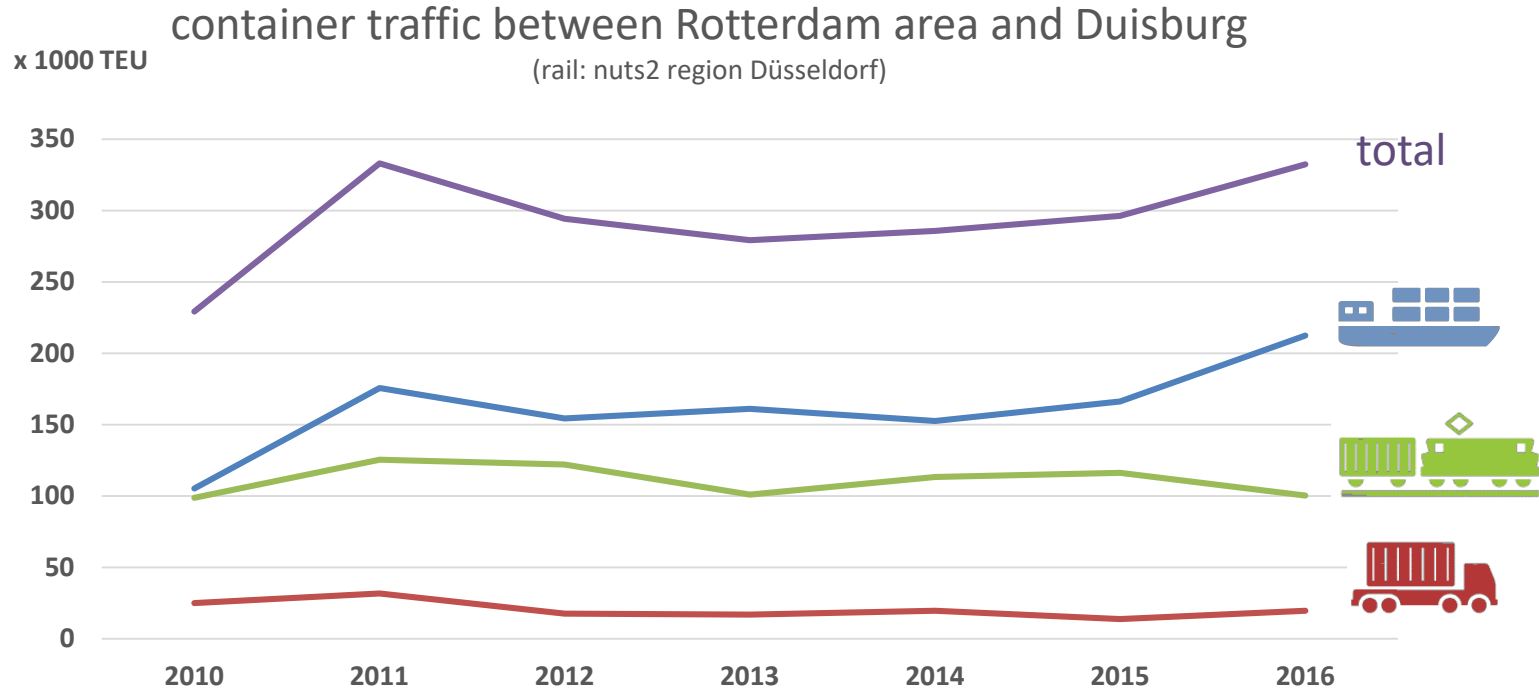
Container transport, TEU by distance class, 2016



Modal split (TEU) on TEN-T corridor, 2016



TEN-T corridor : Rotterdam (Rhine)-Duisburg



Example of OD pairs

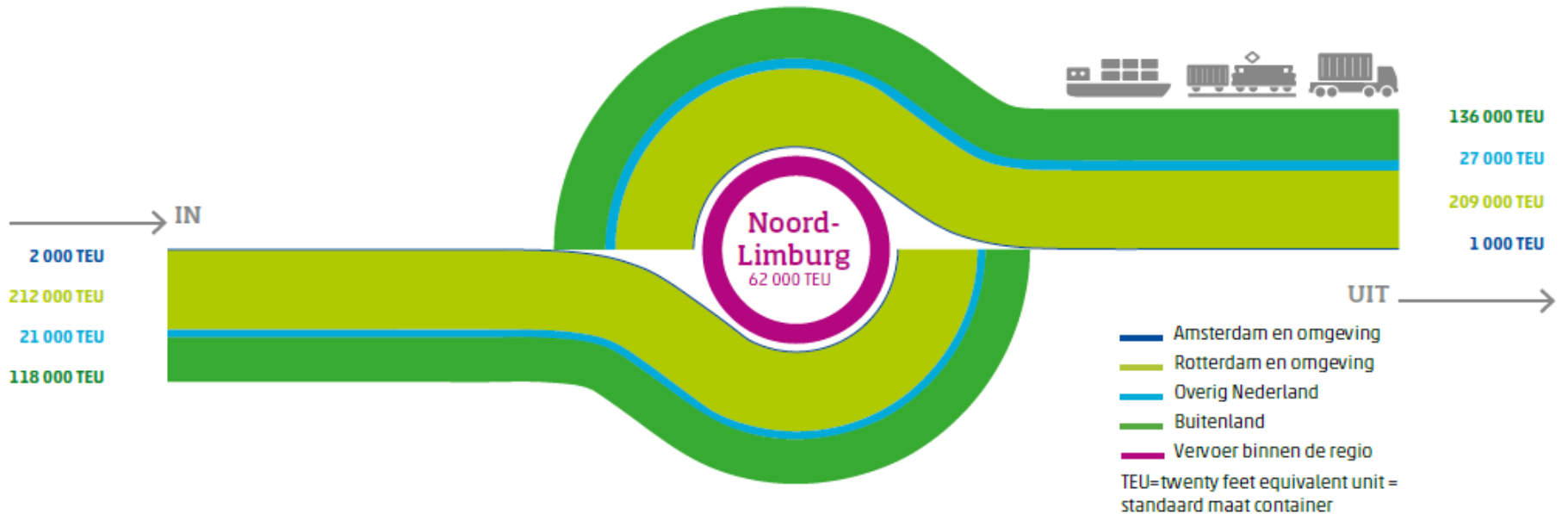
Container transport, OD pairs by mode of transport (modal split), 2014

region/country of loading	region/country of unloading	cargo weight in containers				
		Total	Short Sea Shipping	Inland Waterways	Road transport *)	Rail transport
		1000 tonnes				
Total		108311	33430	27723	35706	11451
NL Zuid-Holland	NL Zuid-Holland	10195	1	1063	9131	1
NL Zuid-Holland	DE Nordrhein-Westfalen	3814	0	1800	967	1047
DE Nordrhein-Westfalen	NL Zuid-Holland	3743	0	1920	732	1091
NL Zuid-Holland	BE Antwerp and surroundings	3528	40	2964	522	1
NL Noord-Brabant	NL Zuid-Holland	2849	0	1611	996	243
NL Zuid-Holland	RU Russia	2721	2721	0	0	0
NL Zuid-Holland	NL Noord-Brabant	2598	0	755	1613	230
BE Antwerp and surroundings	NL Zuid-Holland	2574	95	1945	534	0
NL Noord-Brabant	NL Noord-Brabant	2560	0	33	2527	0
RU Russia	NL Zuid-Holland	2125	2122	0	3	0
UK United Kingdom	NL Zuid-Holland	2089	2078	0	11	0
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Container transport to and from Noord-Limburg (nuts3 region)

2015



Thanks for your attention

