

3 GOOD HEALTH
AND WELL-BEING



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



11 SUSTAINABLE CITIES
AND COMMUNITIES



Inland Waterway Statistics: considering benefits of a Census, and IWW data for the SDGs

Alex Blackburn

Secretary, Working Party on Transport Statistics (WP.6)

*Presentation to the Working Party on the Standardization of Technical
and Safety Requirements in Inland Navigation (SC.3/WP.3)*

Geneva, 13-15 February 2019

TRANSPORT

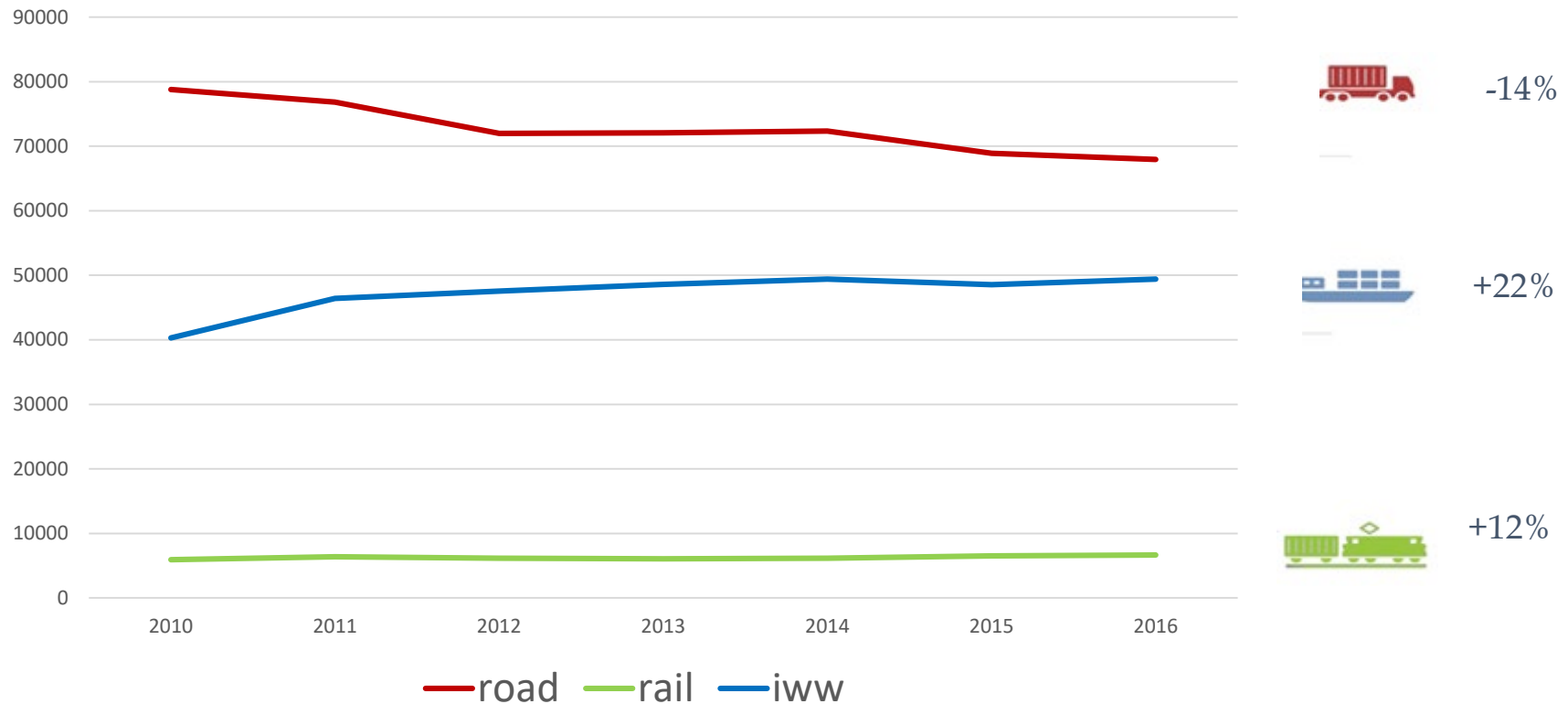


Overview

- Considerations for an E-IWW Census
- IWW statistics for Monitoring the SDGs



Existing Modal Split Data (Tonne-km Netherlands)



UNECE has good IWW data for cross-modal comparisons at the national level. But what about specific corridors?



Recall: A Note on an E-IWW Census

- E-Road and E-Rail censuses collect traffic information and allow mapping of traffic volumes.
- An IWW would complete the inland transport picture, identifying modal switching opportunities and the areas where traffic is growing or shrinking the most
- Concentrate on traffic levels as infrastructure information already in Blue Book.
- **Measure traffic in AADT (vessels per day) or tonnage? Number of TEUs?**
- How will the data be collected? Is AIS a viable collection method? And for tonnes? Type of goods (too detailed?) **Questions for WP.6**

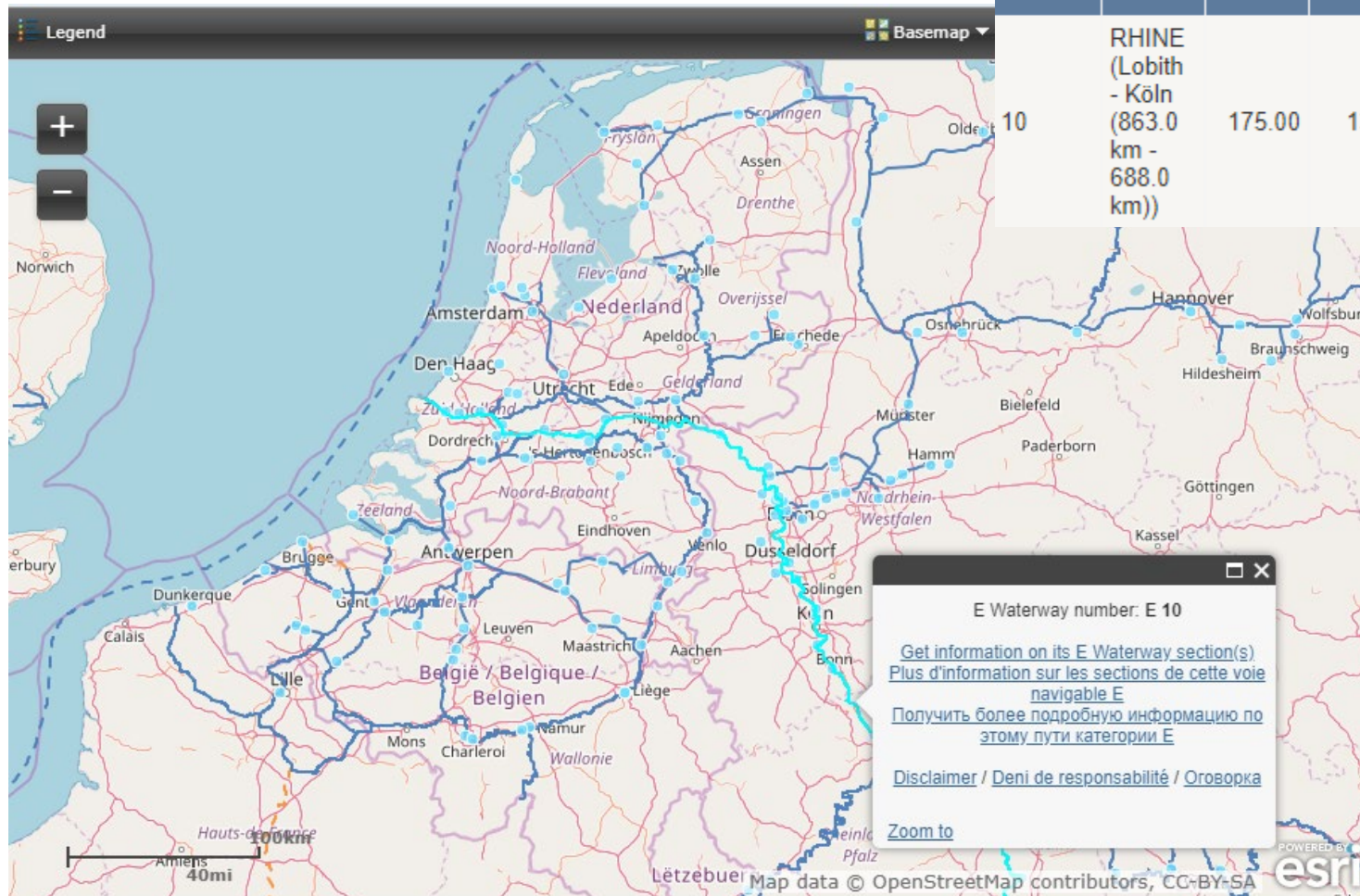


A Note on an E-IWW Census

Existing data from the Blue Book

(<https://apps.unece.org/AGN/1Default.aspx>)

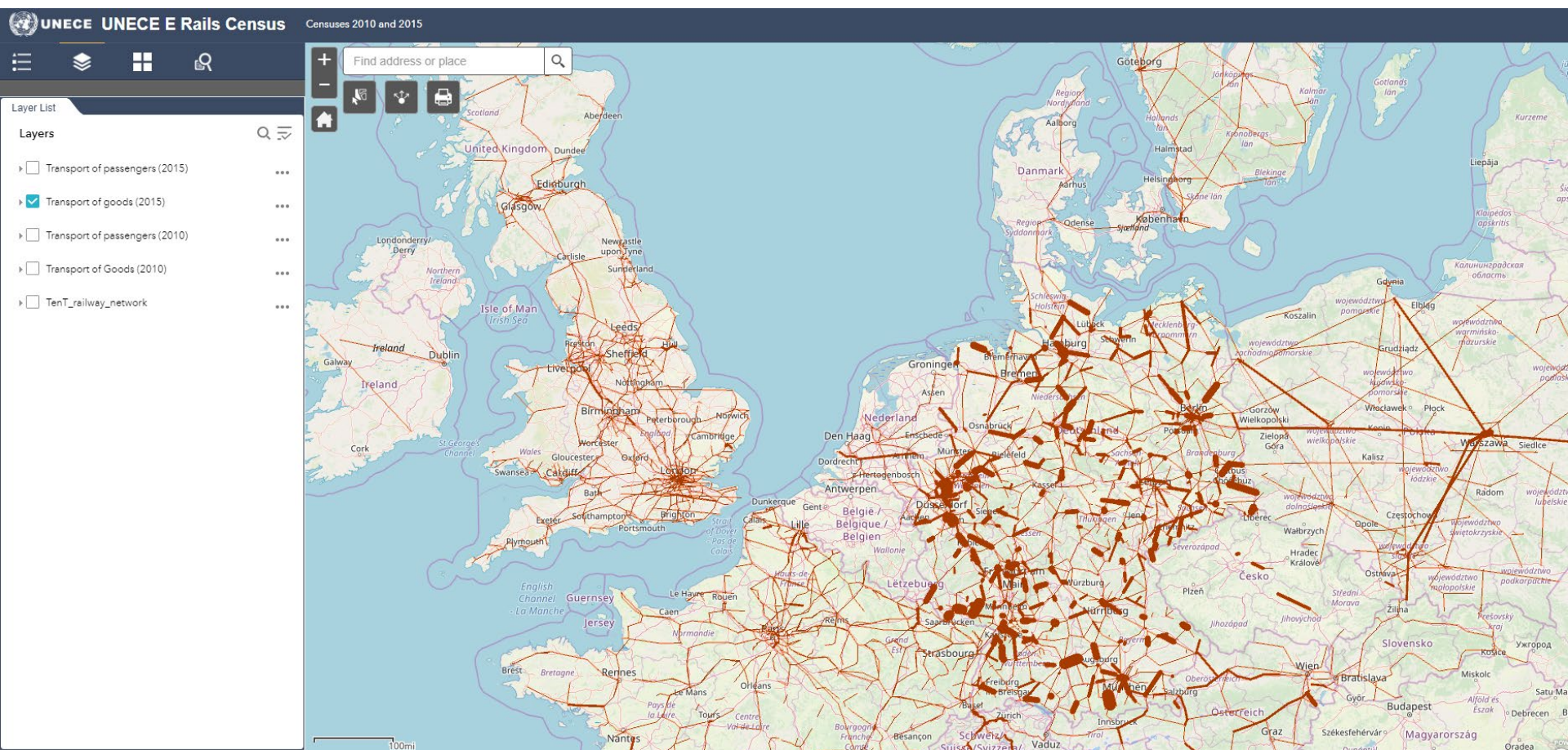
Number	Section name	Section length (Km)	Vessels length (P)	Vessels width (P)	Convoys length (P)	Convoys width (P)
10	RHINE (Lobith - Köln (863.0 km - 688.0 km))	175.00	135.0	22.80	269.5	22.90



- See example of E-Road census map at unece.org/trans/main/wp6/e-roads_maps.html.



E-Rail Census will soon be available

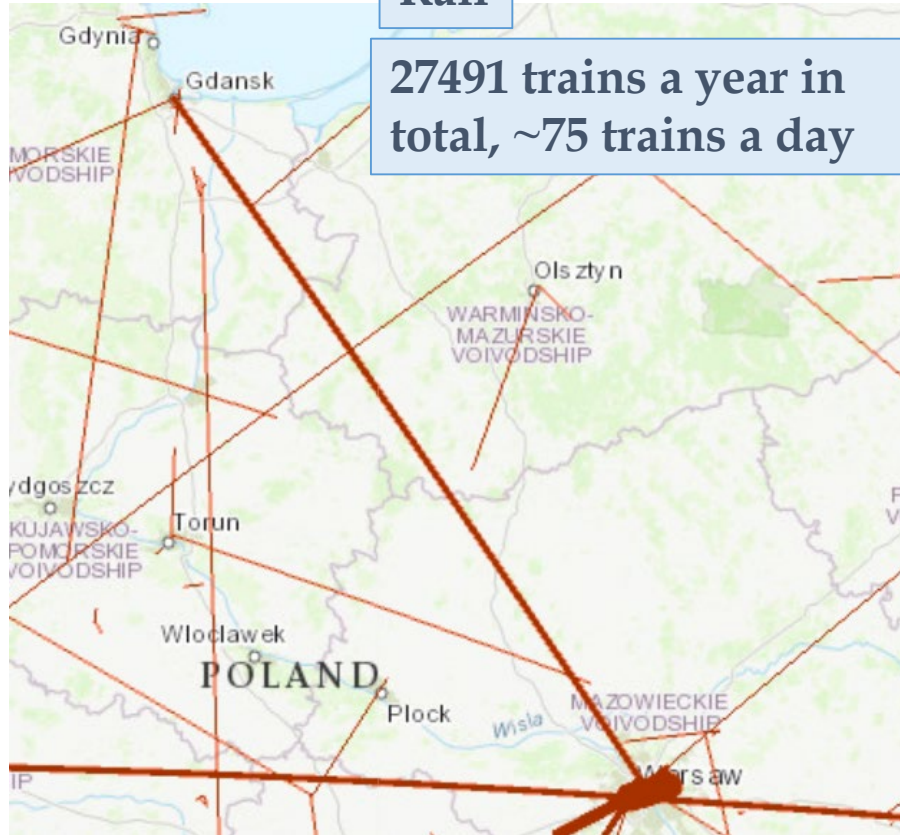


TRANSPORT

Combining freight data (with a few assumptions)

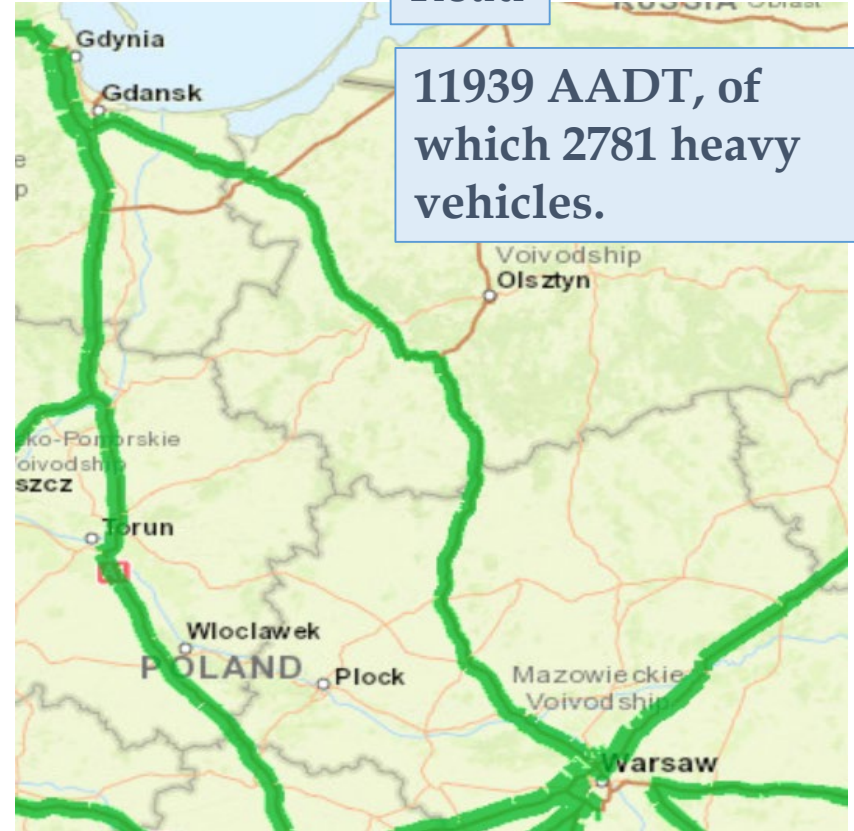
Rail

27491 trains a year in total, ~75 trains a day



Road

11939 AADT, of which 2781 heavy vehicles.



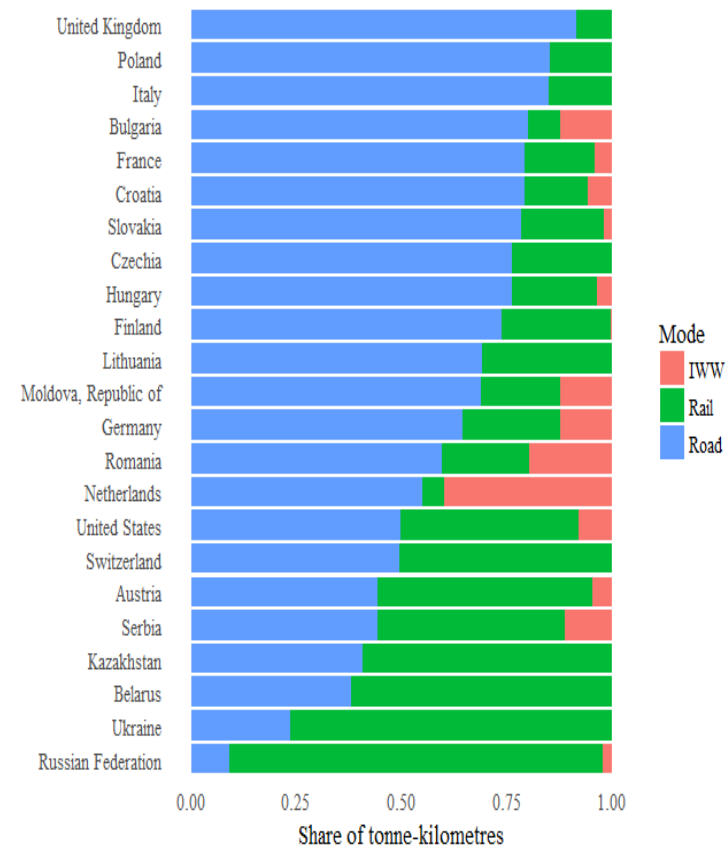
Two extra 60-container trains on the route each day both ways would reduce HGV road traffic by $\approx 8\%$.

What would a similar analysis show for Inland Waterways?



WP.6 on SDGs

- Outreach to custodian agencies for SDG indicator 9.1.2 on passenger and freight volumes. Current data are not official statistics and exclude inland waterways.
- **UNECE IWW official statistics will be included in the SDG global database from 2019 onwards.**
- Read our SDG papers at unece.org/trans/areas-of-work/transport-statistics/statistics-and-data-online/sdg-papers.html



Conclusions

- The idea of an E-IWW census will be discussed at WP.6 in June.
- A census would allow:
 - Corridor modal split analysis
 - identification of modal shifting opportunities
- How to collect the data, and what exactly to measure, remains a question.
- Existing IWW statistics are crucial to measuring the Sustainable Development, directly measuring 9.1.2 but also with relevance to goals 3, 7, 11. IWW data will be included in 9.1.2 measurement soon.

Questions or Comments? Thank you! BlackburnA@un.org

