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

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

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Overview

• Considerations for an E-IWW Census
• IWW statistics for Monitoring the SDGs
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)
• See example of E-Road census map at unce.org/trans/main/wp6/e-roads_maps.html.
E-Rail Census will soon be available
Combining freight data (with a few assumptions)

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

What would a similar analysis show for Inland Waterways?

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

11939 AADT, of which 2781 heavy vehicles.

Not for dissemination: https://unece.maps.arcgis.com/apps/webappviewer/index.html?id=a3b54fd4f3b2454d82240182fbed090
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
• 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