Measuring the Market Structure of the European TEN-T Network

Problem description

The Trans-European Network for Transport (TEN-T) is a multi-billion euro strategic plan for transport corridors across Europe. Efficient operations of intermodal freight transport (IFT) on these corridors are vital for the European economy. The analysis of market structure and concentration of IFT services is important to understand market failure, to find promising areas for policy making and ultimately to promote IFT use. For this analysis the Intermodal Freight Transport Market Structure (IFTMS) model was developed by Saeedi (2018). As distinctive submarkets inside an IFT network are defined, IFTMS applies a flow optimization model to assign the capacities to the IFT network players. Next, market concentration indices are calculated and the results are analyzed to give an overview of the completion in different segments in the IFT network and also between different IFT chains. The aim of this project is the application of IFTMS model to analyse the market structure of the European TEN-T corridors. Policy relevant conclusions can be drawn concerning the quality offered for freight transport by the TEN-T.

Assignment

- Review of literature on IFT systems and market analysis in freight transport domain.
- Reviewing the IFTMS model.
- Collect data about TEN-T corridors (EU IFT network).
- Applying IFTMS model and its complementary method to analyse the market structure of TEN-T corridors.
- Write a report and possibly a scientific paper.

Information

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