**MOVENTES**

# European High-Speed Rail Demand Forecast 2050



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The European Union (EU) has defined targets to increase travel demand by high-speed rail (HSR) for the horizons 2030 and 2050. These targets are part of the goals set for the EU Green Deal. In this project, Europe-wide travel demand forecasts were developed for several scenarios of HSR network extension. For this purpose, a multimodal travel simulation model was developed and applied. The German Rail Long-Distance Traffic Corporation (DB Fernverkehr AG) – in collaboration with nine other European Rail Corporations –published the results of the project with the aim to contribute to the political and technical discussion about future European transport policies.

## Services Provided by MOVENTES:

- Design of the model architecture
- Development of the socio-economic database for 41 European countries – on a system of 1500 zones
- Establishment and calibration of travel demand tables for rail, coach/bus, and car in the base year (2019)
- Parameter estimation and calibration for: trip generation, natural growth, induced demand, traffic assignments road
- Quality control of the following modules: mode choice, air demand, network models, overall results
- Report, thematical maps and graphical renderings
- Final presentation at the client
- Lead-editor of the paper and presenter at the European Transport Conference (ETC)

### Contracting Entity

DB Fernverkehr AG

### Lead Contractor

PTV

### Project Duration

2022-2023

### Countries

Memberstates of the European Union

### Contact

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### Publications

2024 Schlaich et al. (Heureka, German)

2023 Kampp et al. (ETC, English)

2023 Deutsche Bahn (English)