

Transport and climate change

Climate Change mitigation: United Nations Economic Commission for Europe For Future Inland Transport Systems tool.

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(WP.5) Working Party on Transport Trends and Economics (36th session)
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UNECE

ForFITS recent and forthcoming activities

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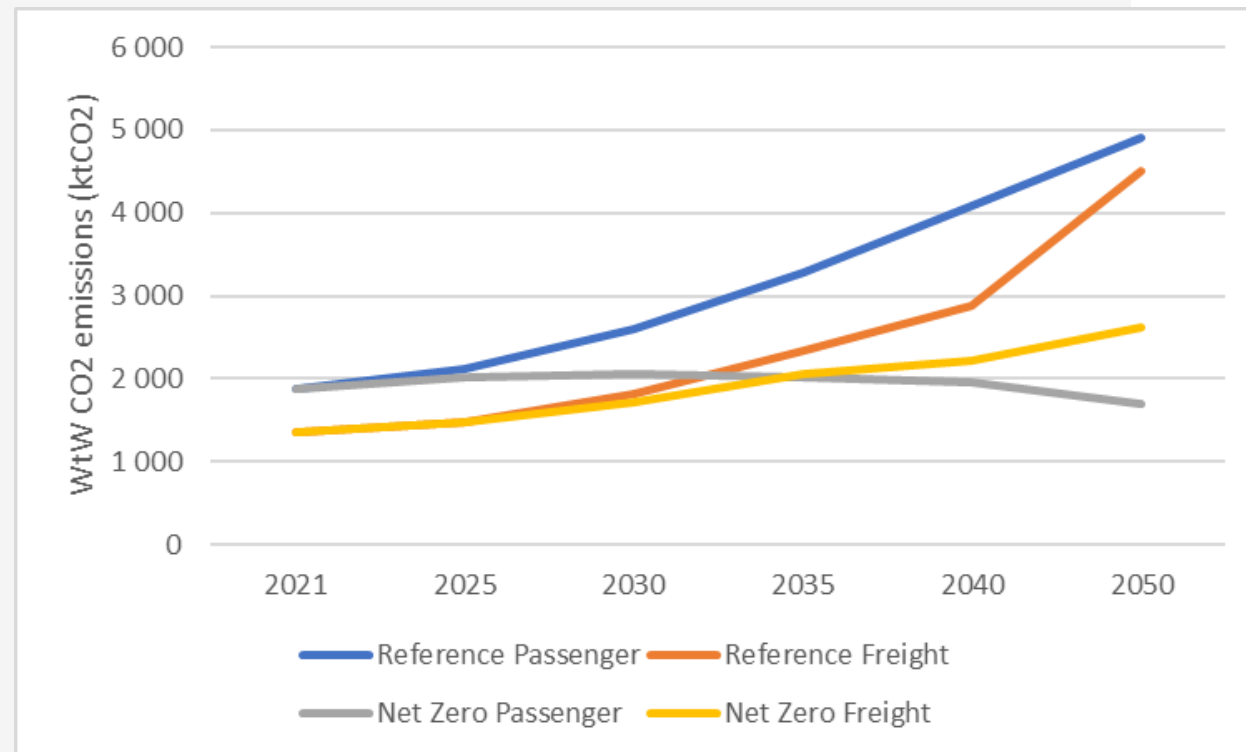
- Latest Application of ForFITS internally
 - ECE Energy project in Moldova
 - ECE EPR of Montenegro Nexus Energy/Air
- Transport Data Commons Initiative and International Transport and Energy Modelling partnership (iTEM)
 - Joint session in Geneva 17-19 September
- iTEM
 - Next phase of IPCC AR7 reports
 - Modelling going open source
- Transport Data Commons
 - Operational website in Nov
- Conclusions / next steps

Internal application of ForFITS tool

with the sustainable energy division of UNECE – Net Zero in Moldova



- Develop reference and net zero scenario to 2050 to feed energy model
- Higher potential for passenger than freight decarbonization
- Work in progress to model other sectors
- Local political uncertainties might delay final delivery of the report



Internal application of ForFITS tool

Environment Performance Review in Montenegro



- Nexus approach on Energy, Air, Climate
- First nexus chapter in EPR
 - Broader consideration than just transport
 - How can sustainable contribute to improve air quality ?
- Recommendations to electrify end-uses
 - Co benefit on climate and air pollution
- Benefits maximized by
 - Improving grid interconnectivity
 - Improve renewable production
 - Plan retirement of coal powerplant

ForFITS outreach

UNECE hosting the first joint session of iTEM and Transport Data Commons



- The International Transport and Energy Modelling partnership (iTEM) and Transport Data Commons Initiative met jointly 17-20 September at UNECE
- Promotes open, transparent data and modelling to promote sustainable mobility
- Joint discussions on:
 - Business models for data and model providers
 - How to reconcile quality and public availability
 - Technical discussions on data format standardization
 - SDMX data standards emerging as best candidate
- Joint activity streams to be developed and agreed between the two groups



ForFITS outreach

iTEM 7 session



- The International Transport and Energy Modelling partnership (iTEM) held its 7 session in Geneva 17-18 Sept
 - Transport Energy Modelers exchange on modelling assumptions and results
 - Lots of discussion on energy pathways for all modes, esp. shipping and aviation
 - LCA session to assess how to consider LCA approaches in modelling
- First iteration and scenario development for the next cycle of IPCC Assessment Report 7
- Some models becoming open source

- Material available here:
- <https://unece.org/transport/events/international-transport-and-energy-modelling-partnership-item7>

ForFITS outreach

Transport Data Commons Global meeting fall 2024



- The Transport Data Commons started in May 2022.
- Further information on inception last WP.5 session
- Limited budget now being spent to develop an operational data storage website, based on mock-up done last year
- Data expected to be uploadable from November 2024.
- Populate the database from existing datasets from public sources : UN, IGO, industry associations
- Request Multi-lateral development banks to systematically upload collected data.

- Material available here:
- <https://unece.org/transport/events/transportdatacommons-tdc-fall-2024-edition>

Conclusions



- Role of UNECE as convener for exchange on open transport data and modelling increasing
- Fit well under ITC decarbonization strategy objectives (Section V Actions 24 and 26, section VII on partnerships)
- Could contribute to better, robust and transparent NDCs incl. transport
- ForFITS activities focus on collaboration and cooperation



Thank you!

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