

Decarbonizing Transport

Use and further development of the
“For Future Inland Transport Systems”
(ForFITS) tool



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Use and further development of the ForFITS tool

2018 development activities

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- Development of a data visualization interface
 - Display interactively inputs and outputs of ForFITS tool
- Data Business Intelligence software assessed
 - Long list includes Tableau Software, Qlik Sense, Microsoft Power BI, Google Charts, R Shiny (as used by SafeFITS) and Sisense
 - Assessment on ease of use, availability of training material, importance of on-line community of users, possibility to embed the visuals in non-proprietary webpage
 - Prototype visuals developed from the ECE study done with ForFITS (Informal document ITC (2016) No.13)
- Assessment to carry on in 2019 to select a single tool

Use and further development of the ForFITS tool

2018 development activities – prototype visuals

INLAN

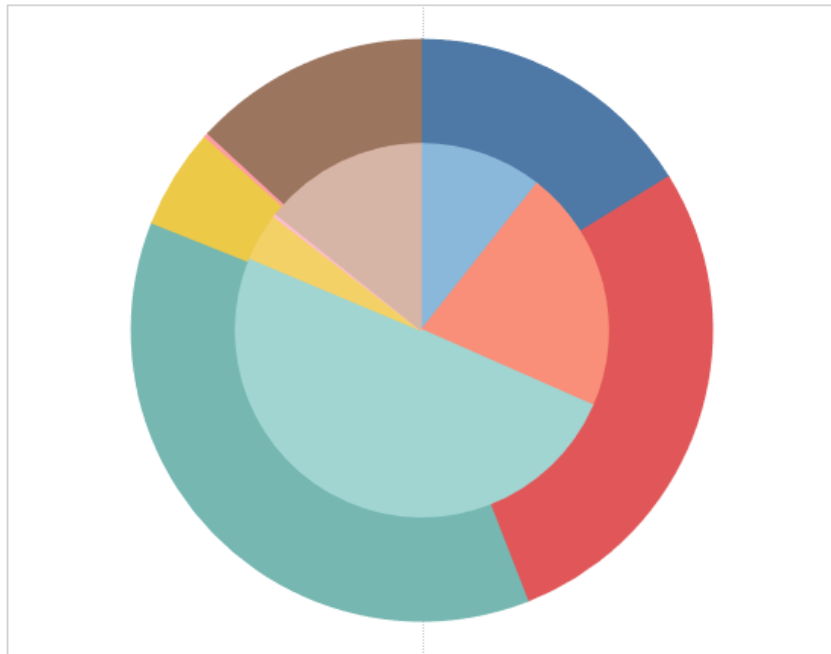
Year

2040

Well to Wheel CO2 emissions

Inner pie = 2012

Outer pie = Selected year



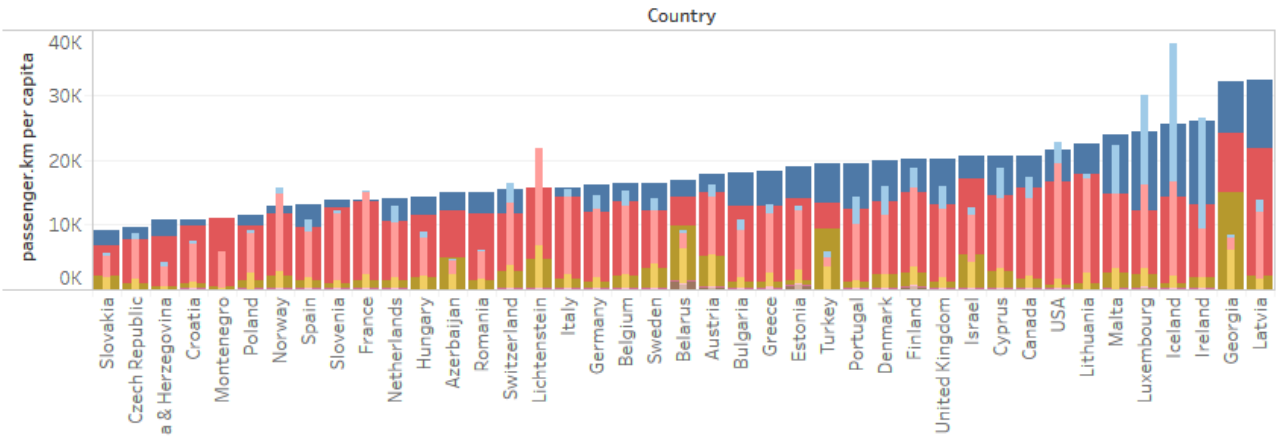
Mode

- AIR
- LARGE ROAD
- LDVS
- RAIL
- THREE WHEELERS
- TWO WHEELERS
- VESSELS

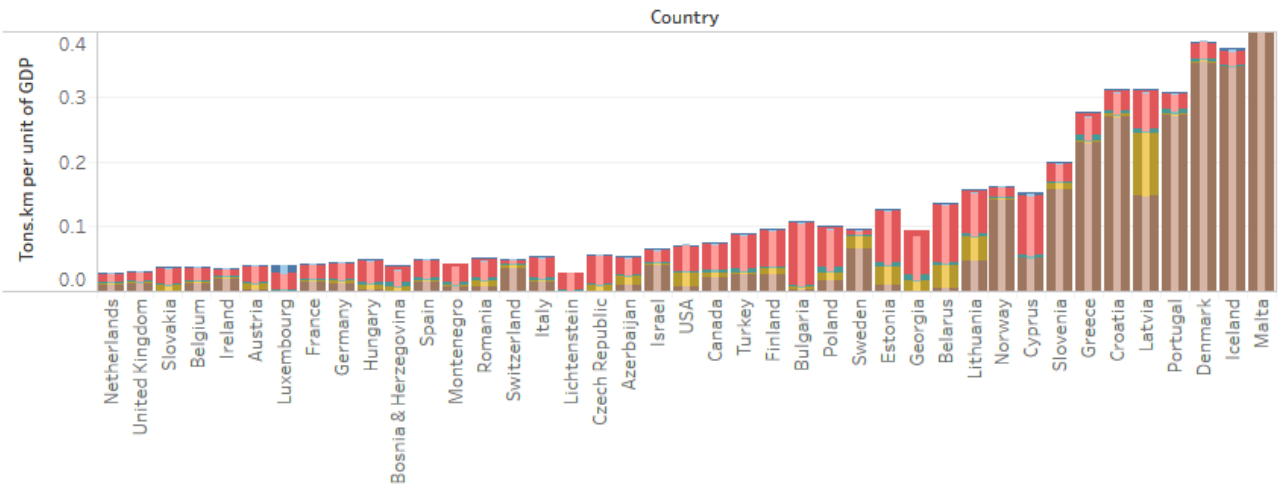
Country (clusters)GDP/cap

- (All)
- High
- Low
- Mid

Passenger traffic activity - Narrow bar = 2012 - Large bar = Selected Year



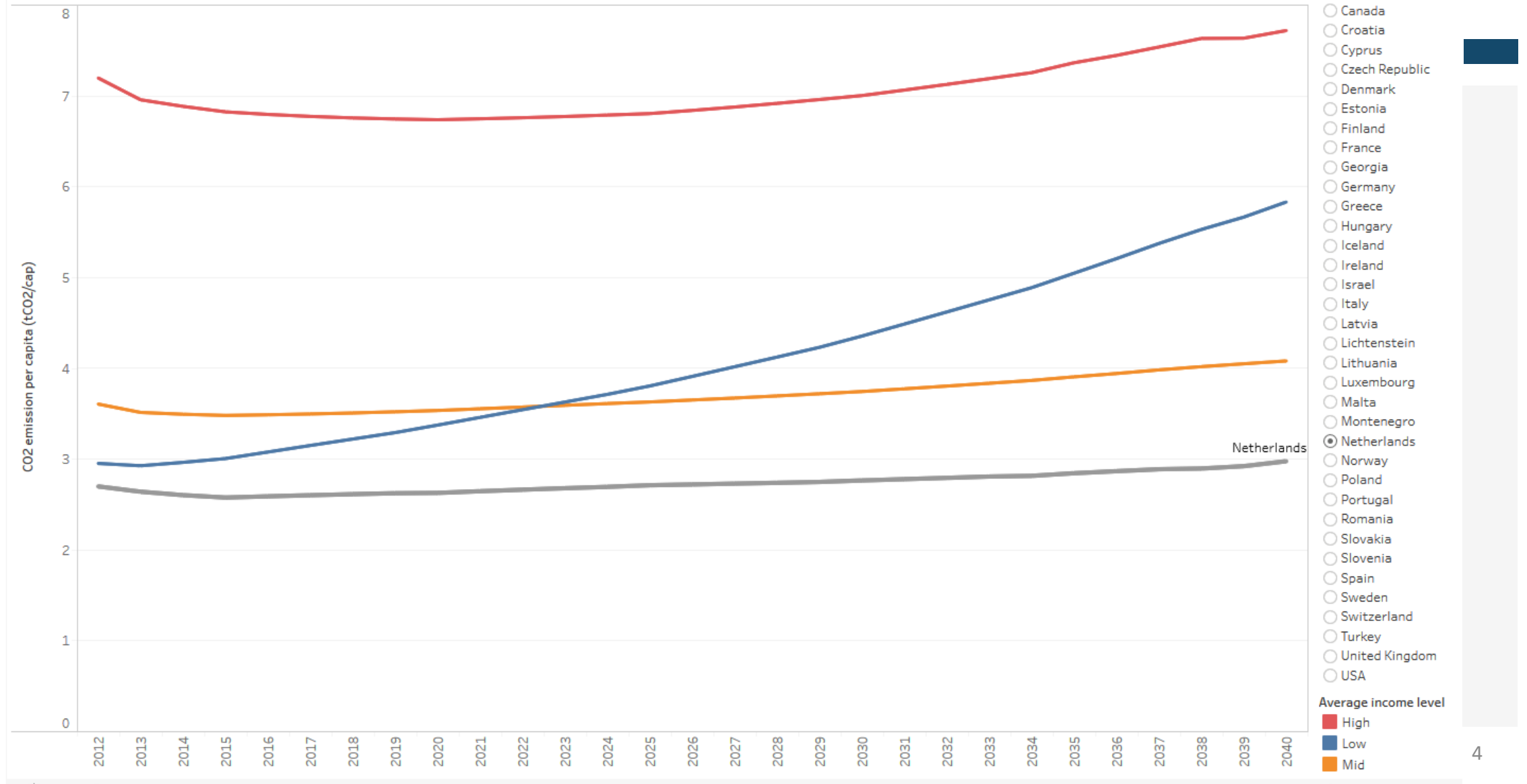
Freight traffic intensity - Narrow bar = 2012 - Large bar = Selected Year



UI

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2018 development activities – prototype visuals



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2018 development activities

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- Develop synergies with other transport and energy modelling activities

- Joining iTEM
(International Transport and Energy Models) network



- Part of the steering committee of the ITF «Decarbonizing Urban Transport in Europe»



Use and further development of the ForFITS tool

2019 action plan

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- Continue the development of on-line interactive visuals for ForFITS inputs/outputs
- Develop policy pathways and quantify CO2 emissions long term evolution in Uzbekistan
 - Part of the Environment Performance Review from the Environment Division of UNECE
 - Dedicated data collection effort for the model runs
- Gather support for small-scales projects:
 - Where potential for external funding exist
 - Where other modelling groups lack knowledge and expertise
 - Potential topics include used vehicles trade, emission factor database, life cycle analysis

Thank you!

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