

Monitoring and assessing CO₂ emissions in inland transport to facilitate climate change mitigation
The UNECE ForFITS model
78th ITC session, 23-26 February 2016

Evaluating CO₂ emissions in inland transport and climate change mitigation

ForFITS

A monitoring and assessment tool "For Future Inland Transport Systems"

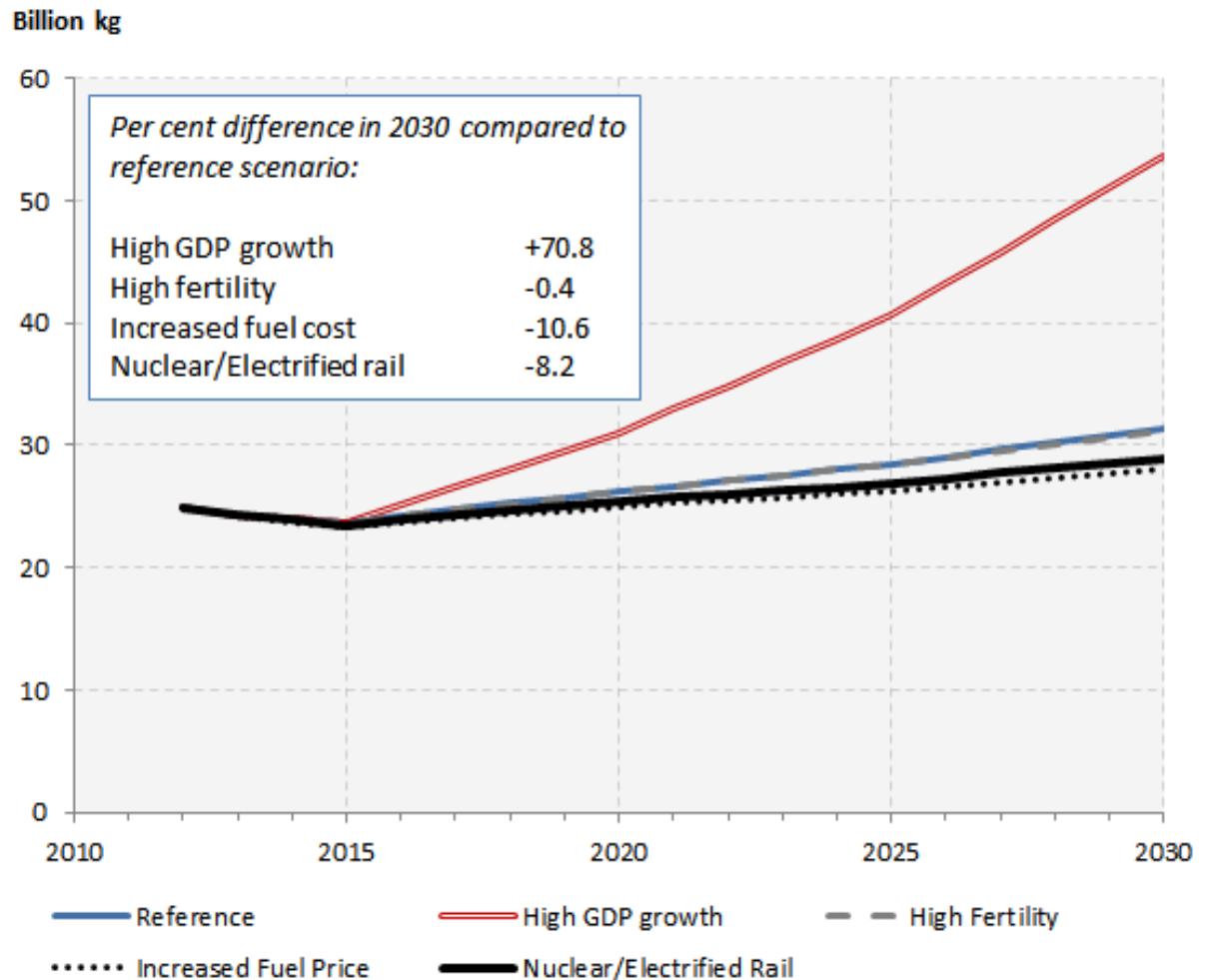
ForFITS activities during year 2015

Miquel Gangonells - UNECE Sustainable Transport Division

- Part of the **Environmental Performance Review (EPR)**
- **Data collection** by local consultant to run ForFITS
- Definition of **scenarios**
- **Model runs**
- Interpretation of **results** and comparative analysis between model runs
- **Final report**

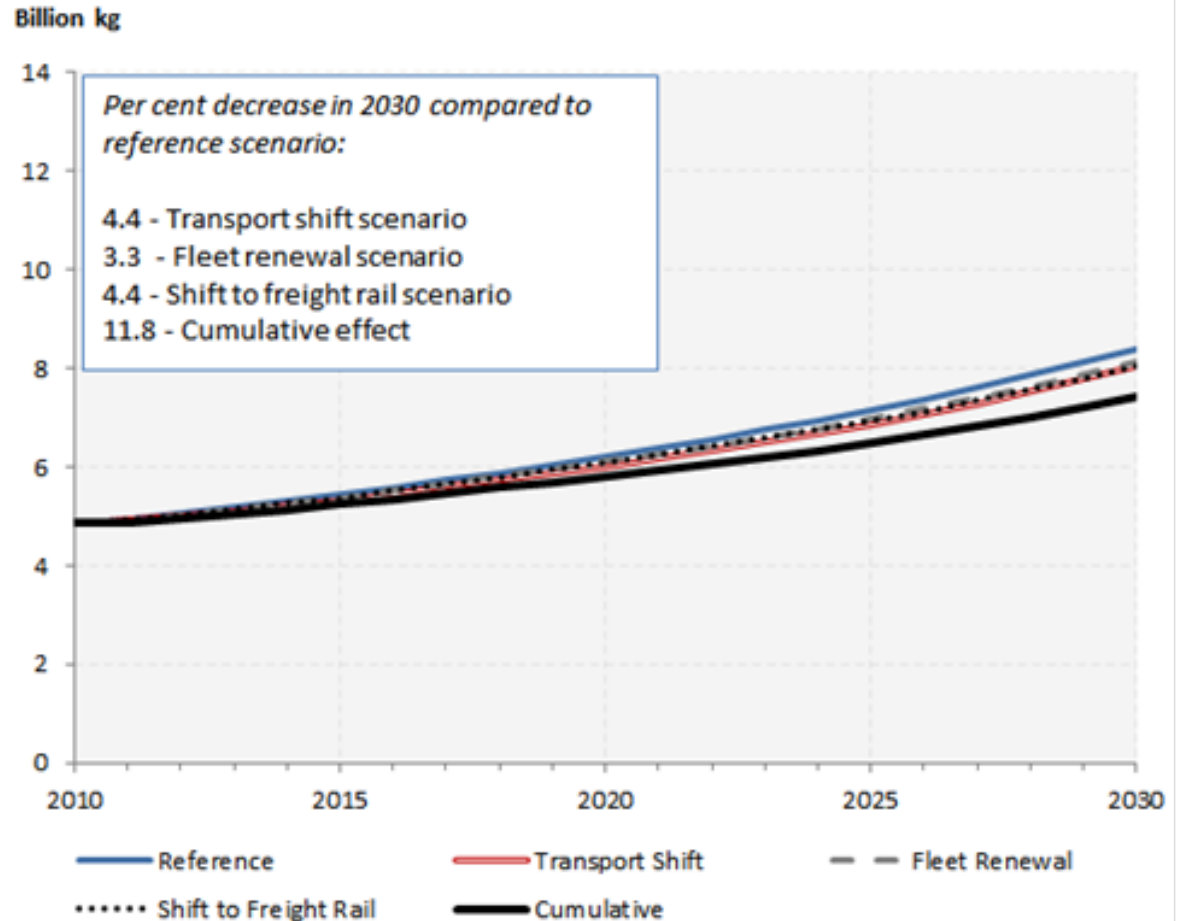
Belarus – Projections of well-to-wheel CO₂ emissions under various scenarios (2012-2030)

- Scenario A (Reference)
- Scenario B (High GDP growth)
- Scenario C (High fertility)
- Scenario D (Increased fuel price)
- Scenario E (Nuclear/Electrified rail)
- [Results](#) in ECE/TRANS/2016/7 and informal document No. 3



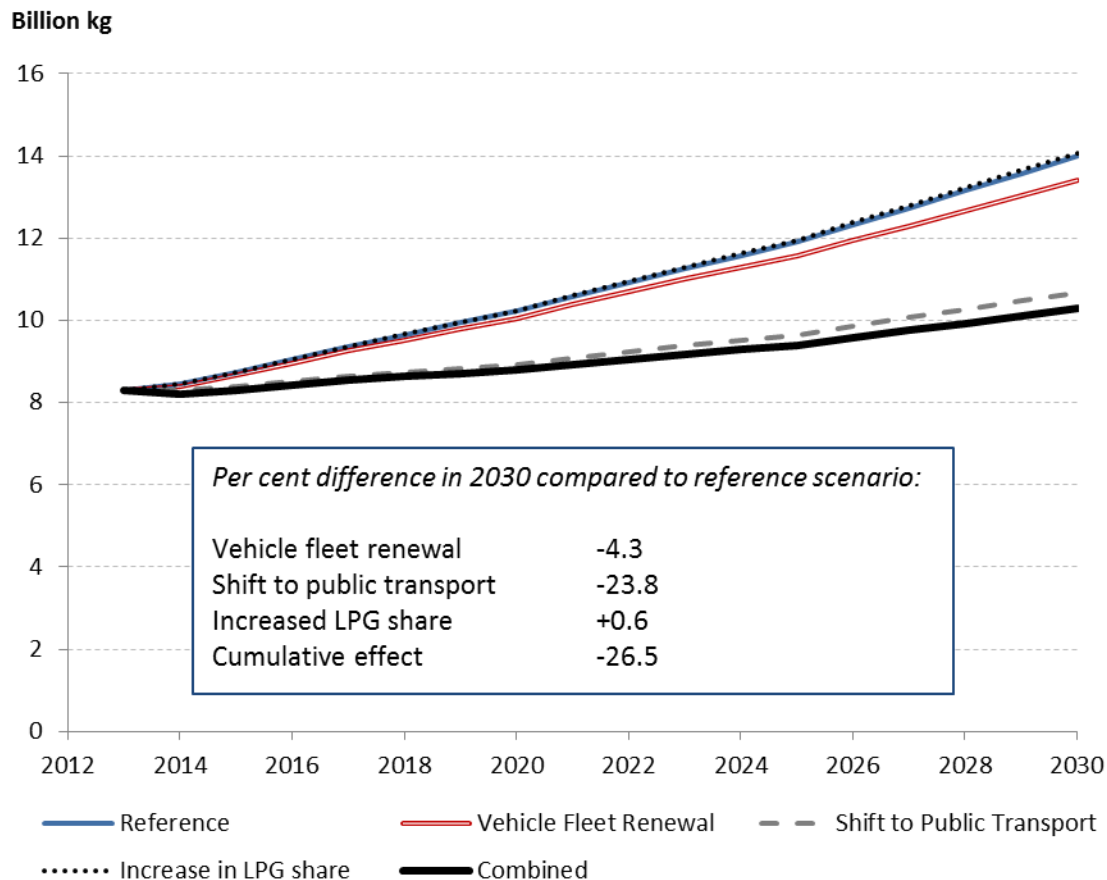
Georgia – Projections of well-to-wheel CO₂ emissions under various scenarios (2010-2030)

- Scenario A (Reference)
- Scenario B (Shift to public transport)
- Scenario C (Vehicle fleet renewal)
- Scenario D (Shift to freight rail)
- Scenario E (Cumulative effect)
- [Results](#) in ECE/TRANS/2016/7 and informal document No. 3



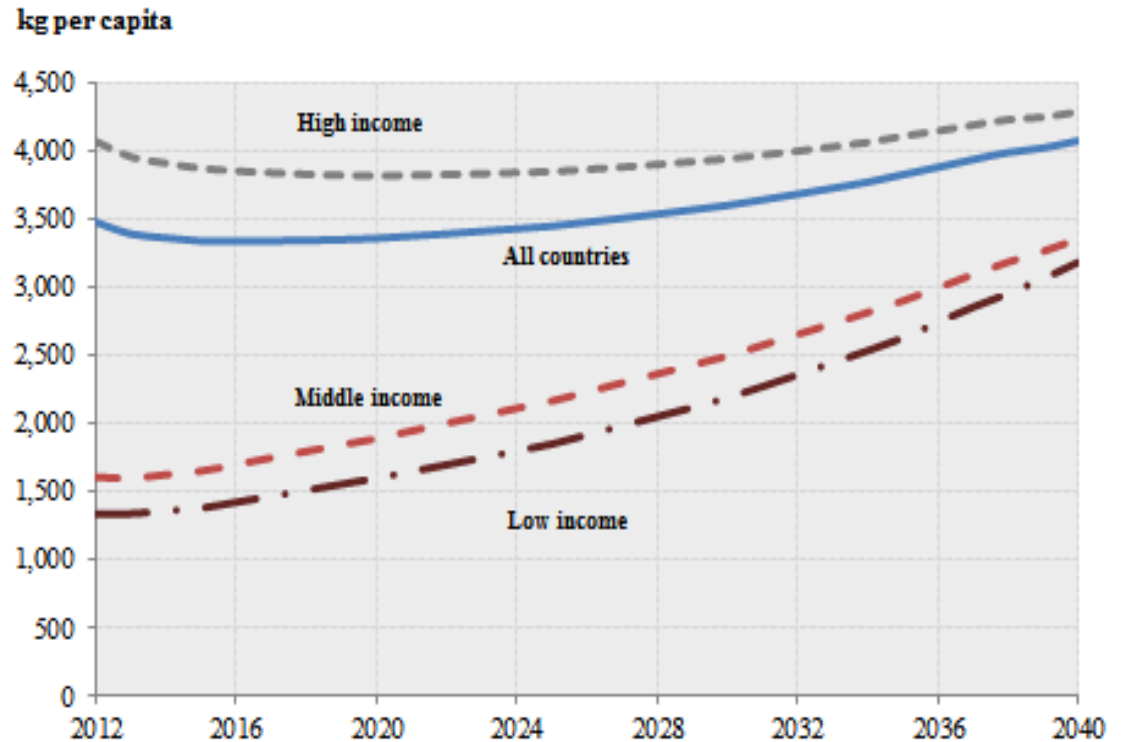
Tajikistan – Projections of well-to-wheel CO₂ emissions under various scenarios (2013-2030)

- Scenario A (Reference)
- Scenario B (Vehicle fleet renewal)
- Scenario C (Shift to public transport)
- Scenario D (Increased LPG share)
- Scenario E (Cumulative effect)
- Preliminary results



Regional study

- 40 member States, [regional outputs](#)
- [Baseline](#) scenario
- Countries grouped by [income levels](#)
- A [regional report](#) is completed and reproduced in informal document No. 13



NRMM project – Feasibility study

- 1-year project funded by [Environment Canada](#) until [March 2016](#)

Motivation:

- NRMM about [10 to 15% of CO₂](#) emissions of transport's sector, and [growing](#)
- The CO₂ emissions of the sector [will have to be tackled](#) in the near future to meet climate targets
- Study to determine the [feasibility](#) to develop an additional [ForFITS module on NRMM](#)

Outcomes:

- ForFITS principle, [ASIF](#) methodology
- [Agriculture, forestry, construction](#) and [mining](#)
- [Worldwide database](#) on NRMM and identified indicators/drivers (economic and non-economic)
- [Data analysis](#) to find [linkages/correlations](#) between [identified indicators](#) and [NRMM activity/energy use](#)
- [Conclusion: Feasibility confirmed](#), but subject to some [additional data collection and analysis](#)
- More [detailed information](#) in [ECE/TRANS/2016/7](#)

Follow-up activities subject to additional funding

Active use

- **Policy review** exercises for specific countries
- Update of the **regional study**

Enhancements

- Development of **new modules** such as the **NRMM module**
- Further enhance the model and its **user interface**

Maintenance

- **Regular updates** to remain **relevant** for users

Training

- **Courses** for ForFITS users and **capacity building workshops** for new users

Links and contact information

Links

Model download/ForFITS page

http://www.unece.org/trans/theme_forfits.html

User manual, including methodological information

http://www.unece.org/trans/forfits_user_manual.html

Contact information

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