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UNECE

ITC acting on Climate Change and the Paris agreement: Decarbonisation and adaptation requirements

ForFITS activities and updates

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2019 activities – scenarios development for Uzbekistan

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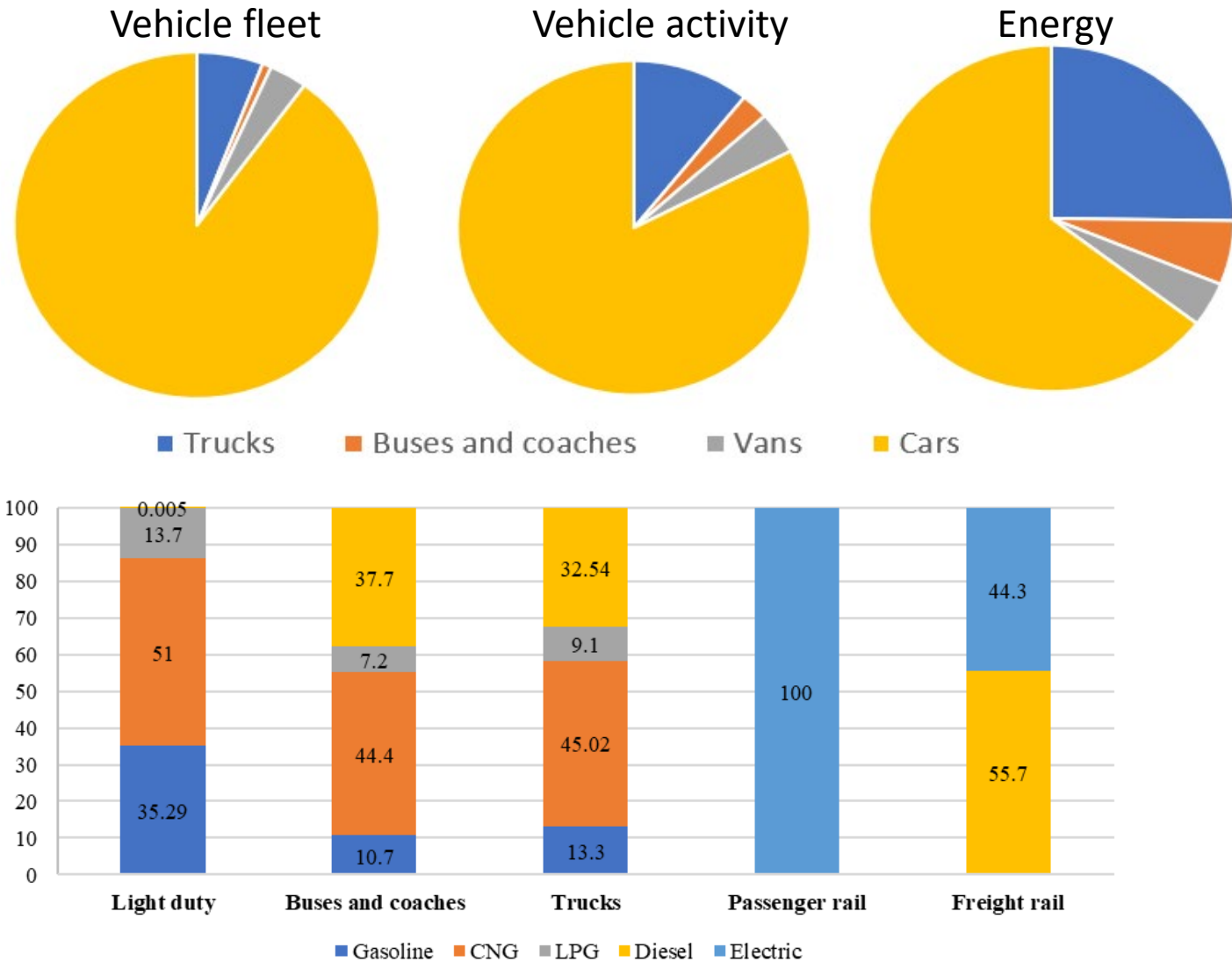


- Part of the Environment Performance Review (EPR) from the Environment Division of UNECE
- Developed as part of the transport chapter of the EPR
- Data collected with local experts
- Transport activity, energy use and CO2 emissions projected to 2045
- 4 scenarios developed:
 - *Reference*: Baseline / business as usual
 - *Shift* : modal shift towards lower carbon mobility
 - *Improve*: more efficient vehicles
 - *Combined*: Combination of *Shift* and *Improve* scenarios

Current situation in Uzbekistan

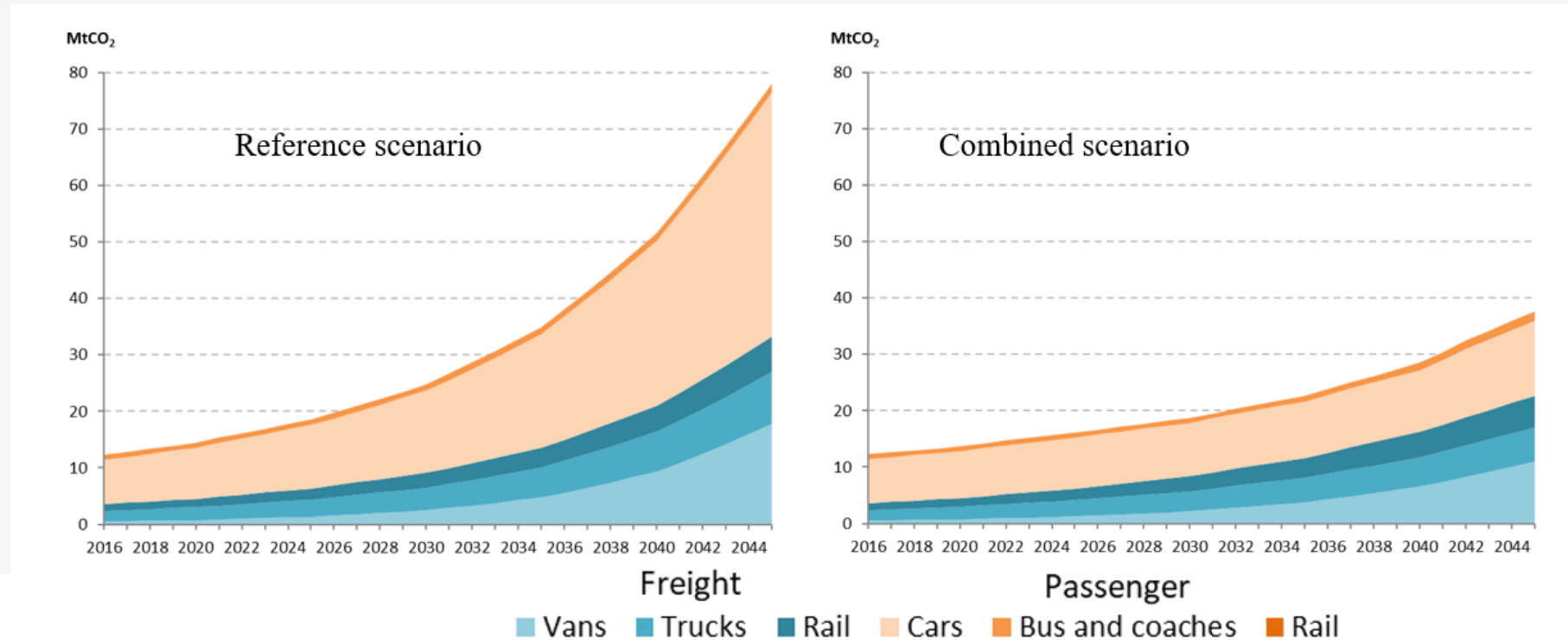
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- Trucks represent 5% of the fleet, but 25% of the energy use
- High share of Compressed Natural Gas (CNG) in the road vehicle fleet, because of low price for natural gas



Reference and Combined scenario to 2045

- Car ownership about 10 times lower in Uzbekistan than in developed countries
- If GDP increase as expected, car stock expected to go from 2 million cars today to more than 12 million in 2045.
- This leads to a grow in CO2 emission from the transport sector to about 80 MtCO₂ per year in 2045, and less than 40 MtCO₂ in the Combined scenario.



Improve scenario: Energy efficiency and electrification

- Energy efficiency the low hanging fruit to CO2 emissions reduction
- Fuel economy standards for cars and trucks helps with the deployment of fuel efficient vehicle technologies
- Benefits spread evenly between passenger and freight



- Fuel pricing also of high importance to incentivize more energy efficient vehicles

Conclusion and Recommendations to Uzbekistan

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- Following the ForFITS analysis, UNECE recommends The Cabinet of Ministers to:
- Consider the best ways to modulate or reduce fossil fuel subsidies to ensure that higher quality fuels are used in vehicles which have a lower impact on the environment;
- Encourage the move away from the use of lower quality fuels and the take-up of alternative, low-carbon, fuels and vehicles;
- Encourage the simultaneous deployment of electro-mobility along with renewable electricity production to help meet the objective of reducing the total amount of vehicle emissions.

- More analysis and recommendations available in the EPR to be released in March 2020

ForFITS project evaluation as part of UNECE governance activities

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- From September 2018 to February 2019, an independent evaluator reviewed ForFITS as a tool to support governments in climate change mitigation, in the period post-UNDA funding, from 2014 to 2018.
- The evaluation contained twelve recommendations for ForFITS that the secretariat is implementing from 2019 to the end of 2021, if resources are available for the activities needing substantial amount of time.
- To date, an on-line survey prior to the download of ForFITS has been deployed to create a community of ForFITS users, and to better understanding gender balance in ForFITS users.
- The survey has shown that about 40% of ForFITS users providing an answer are females, and that current mode of user information, such as the ForFITS webpage, is sufficient to share latest information about the tool and its use.

Strengthen partnerships for ForFITS

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ForFITS submitted both projections and historical datasets to International Transport and Energy Models (iTEM) partnership

- ForFITS Study " Implementation for UNECE member States" (Informal Document ITC (2016) No. 13) used for the on-going model inter-comparison projects (MIPs)
- Transport statistics historical datasets submitted to the iTEM-KAPSARC (IK) Open Data project.

The International Energy Agency (IEA) has invited UNECE to join their Mobility Model (MoMo) partnership as a research partner.

- Discussions are being held between both parties to find common terms and conditions to make such agreement between both institution a reality



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Thank you!