

Group of Experts on Gas

ENERGY



Presentation

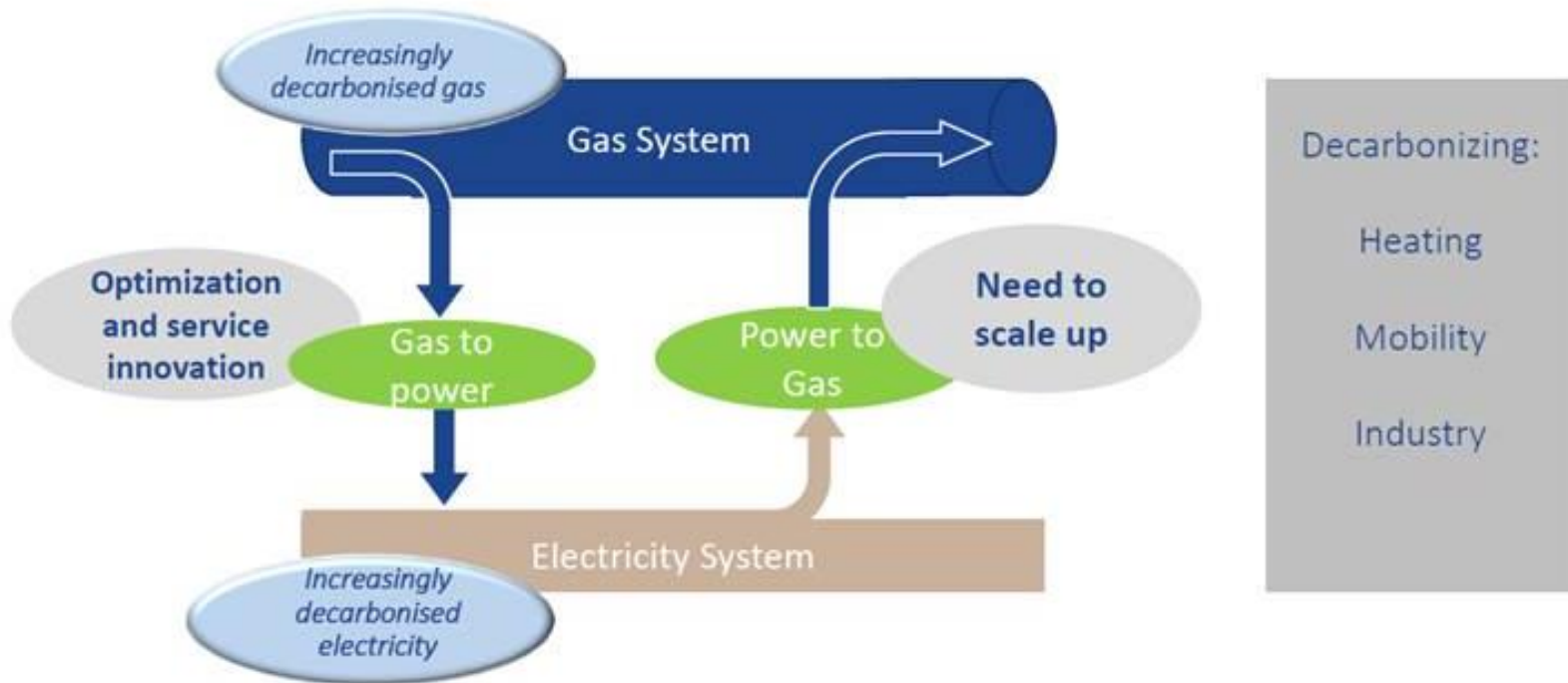
Francisco de la Flor Garcia

Chair, Group of Experts on Gas

- *Highlights: Implementation of the work plan for 2018-2019*
- *Future work plan for 2020-2021*
- *Request for mandate extension until the end of 2021*

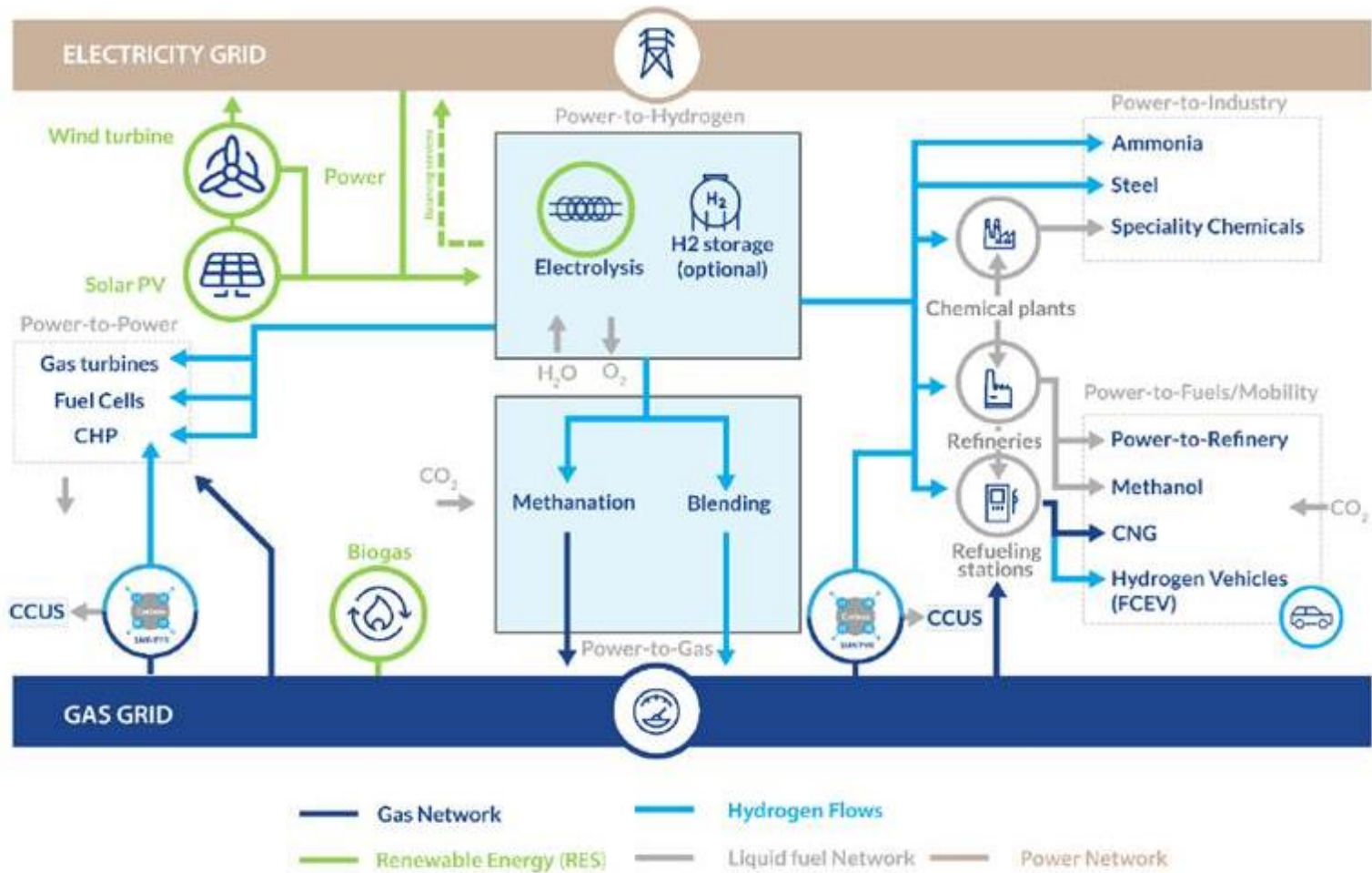
Agenda
Item 5
(c)

Hybrid Energy System



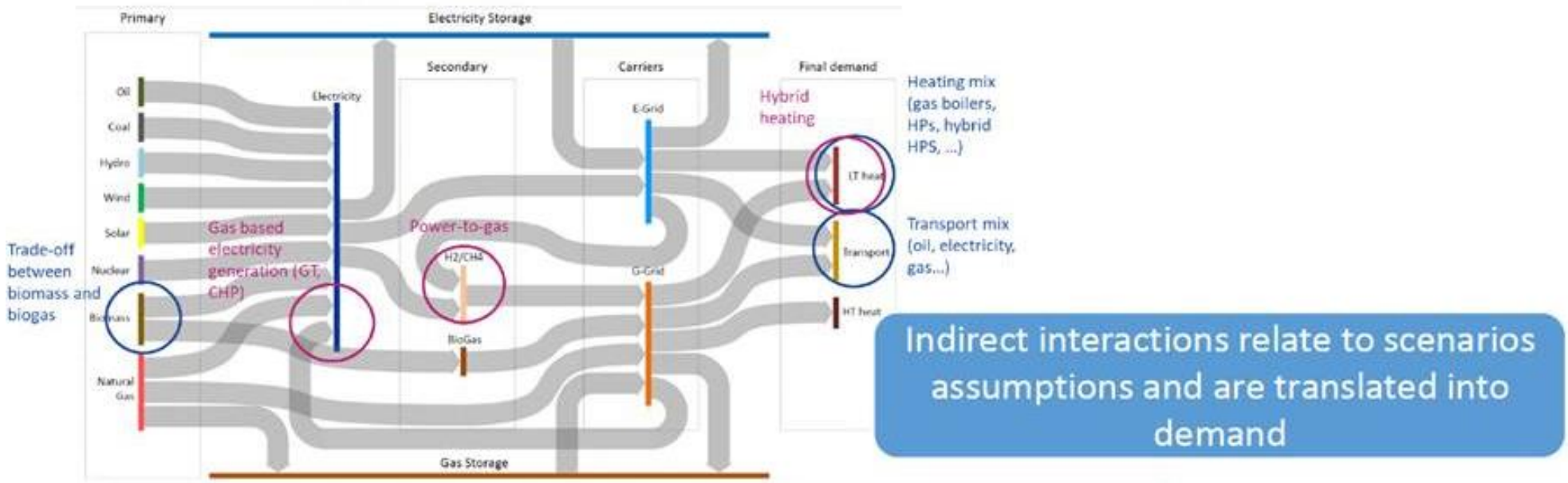
Sector coupling offers strategies to maximize integration of renewables for heating, mobility, industry and needs to start now.

Hybrid Energy System

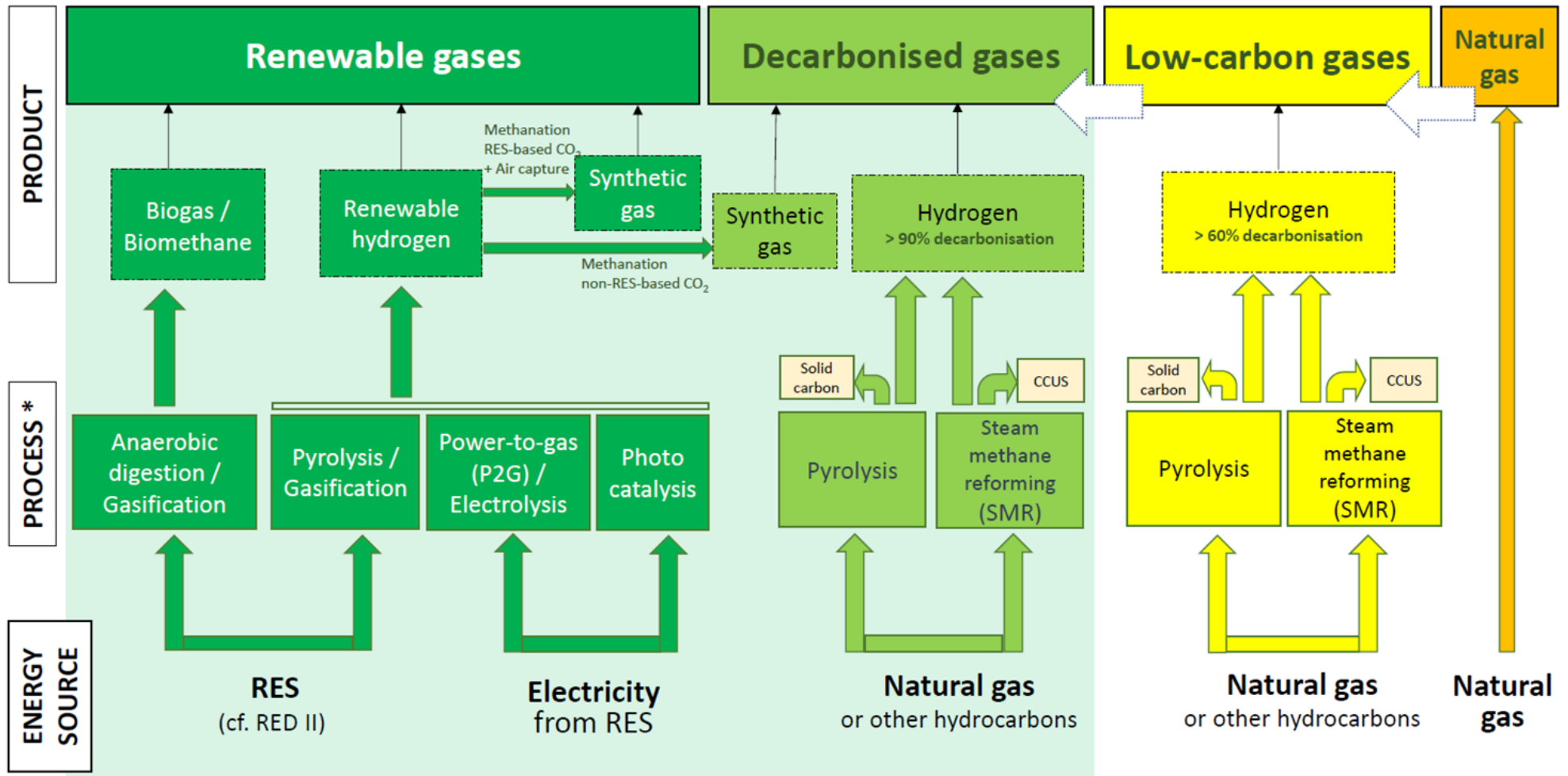


ENTSOG believes that for the future we need a Hybrid Energy System building on increasingly decarbonized electricity and gas.

Systematic mapping and analysis of interactions between gas and electricity systems



Gas Taxonomy



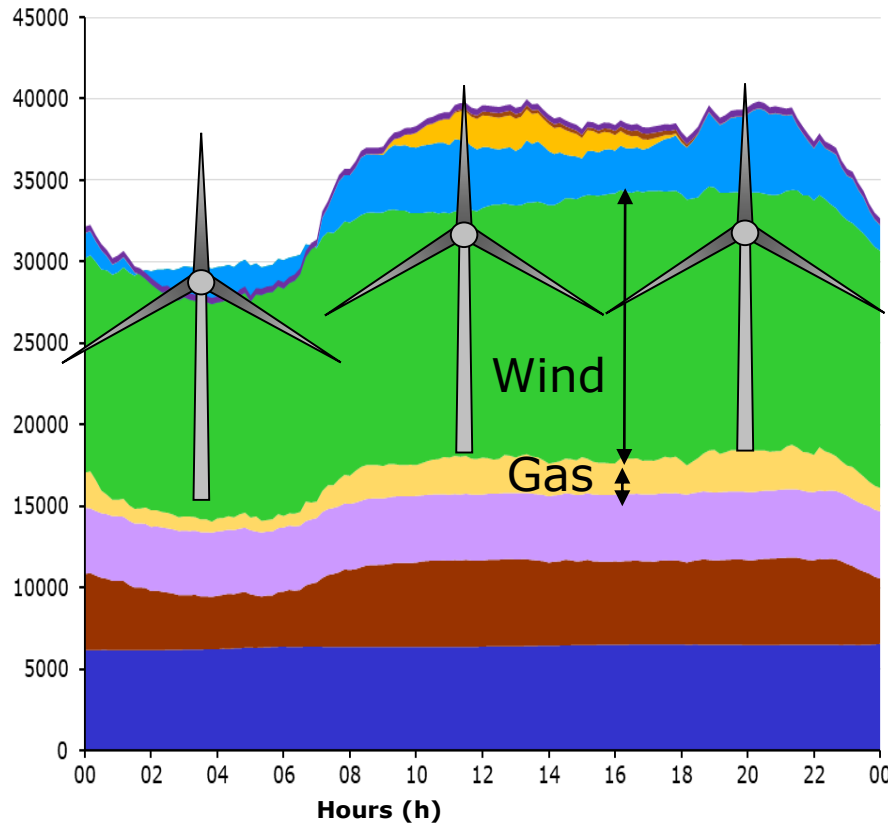
* Disclaimer: This overview is based on existing processes and known technologies and evidently does not preclude new technological developments.

Electricity generation in Spain (2 days)

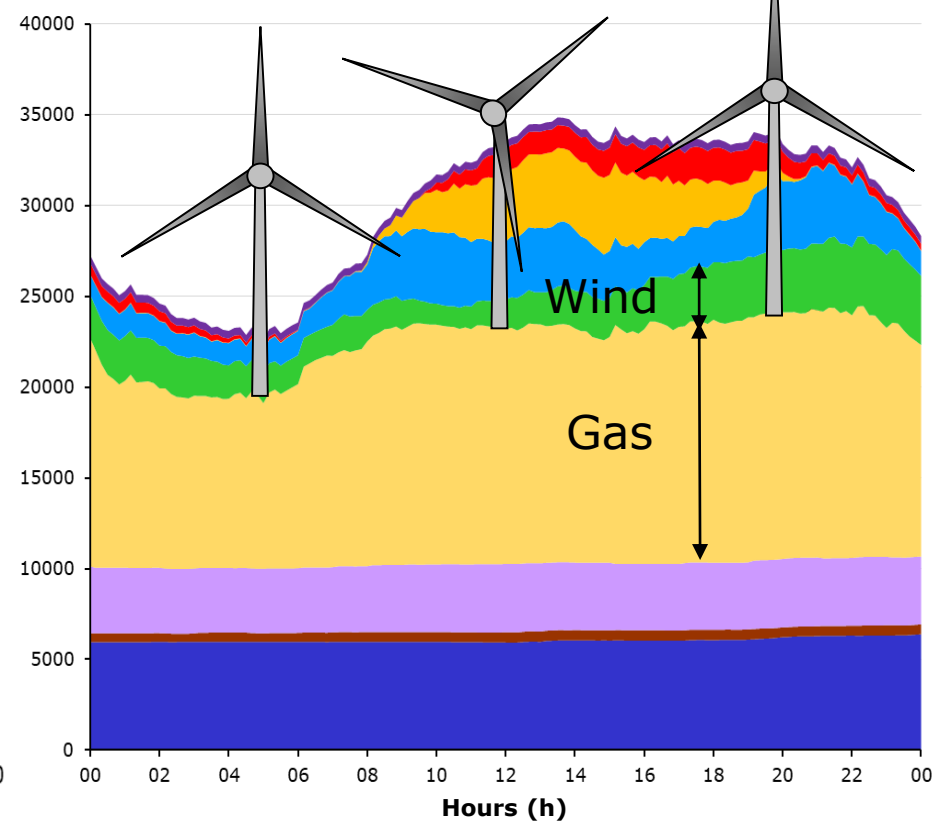
23-January-2019

29-August-2019

Generation (MW)



Generation (MW)



Implementation of Work Plan 2018-2019

Key Highlights

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- Broad activities on advocating the role of gas in achieving SDGs
- Best Practice Guidance for Effective Methane Management in the Oil and Gas Sector – Monitoring, Reporting and Verification (MRV) and Mitigation – published in 2019
- Recommendations for improving interactions between natural gas and renewable energy sources
- Policy recommendations and advocacy on gas and air quality
- Emerging issues: hydrogen and decarbonized gases
- Sustainable production and consumption of gas: 2019 focus on four pipelines

GEG Work Plan 2020-2021

Key Highlights

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- **ECE/ENERGY/2019/10 – Work plan of GEG for 2020-2021**
- Very ambitious – need XB funding
- Alignment to 2030 Agenda through continued activity: the role of gas in attaining Sustainable Development Goals
- Dissemination of (just published) Best Practice Guidance for Methane Management in the Oil and Gas Sector
- Renewable energy and gas: synergies and low-carbon gases (biogas, biomethane and hydrogen)
- Gas and gas infrastructure as the backbone of a low-carbon electricity and energy system
- Impact of gas on improving urban air quality
- Use of gas in transportation – challenges and opportunities