Detailed assessment of global transport-energy models' structures and projections (2017)

Sonia Yeh, Gouri Shankar Mishra, Lew Fulton, Page Kyle, David L. McCollum, Joshua Miller, Pierpaolo Cazzola, Jacob Teter

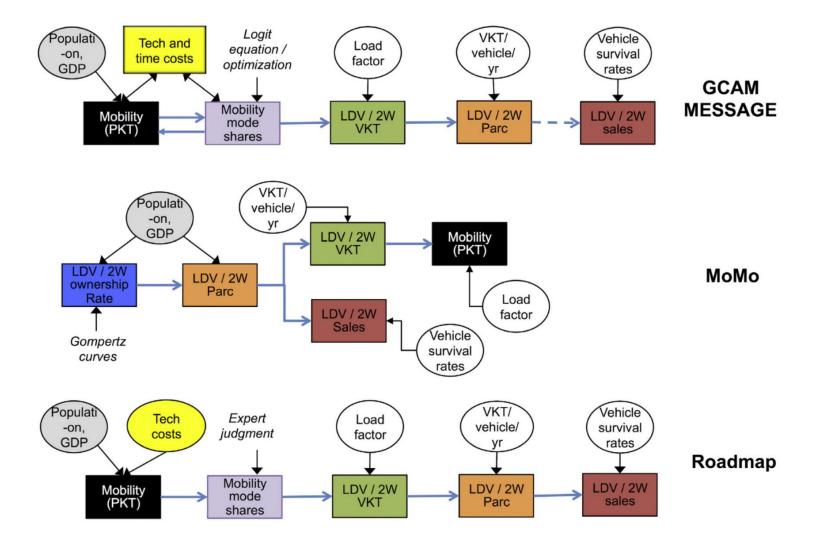


- Compare four global transportation models
- Find significant differences in the base-year data and key parameters
- Models show different strategies to achieve 2°C target
- Real new vehicle energy efficiency below target
- Propose improvements to data, modeling and model comparisons

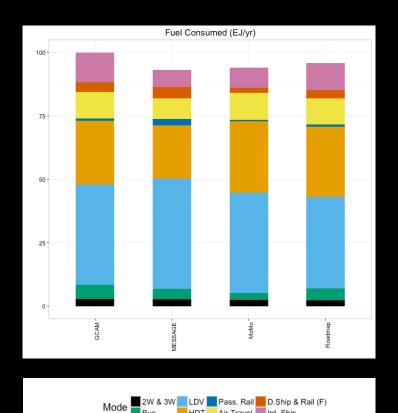


- GCAM
- MESSAGE
- Mobility Model (MoMo)
- Roadmap



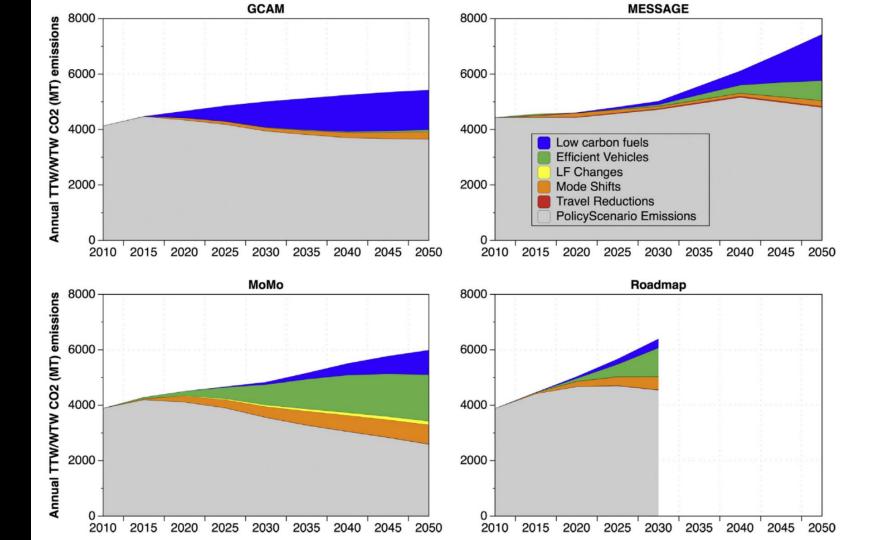


Fuel consumption baseline 2010



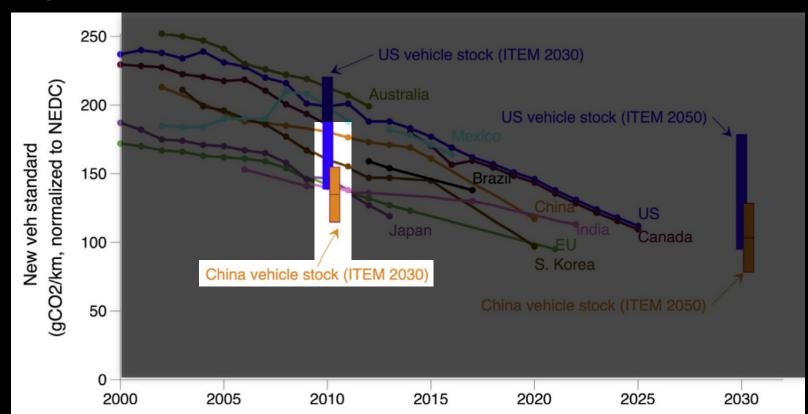
HDT Air Travel Int. Ship







Comparison to real vehicle stocks



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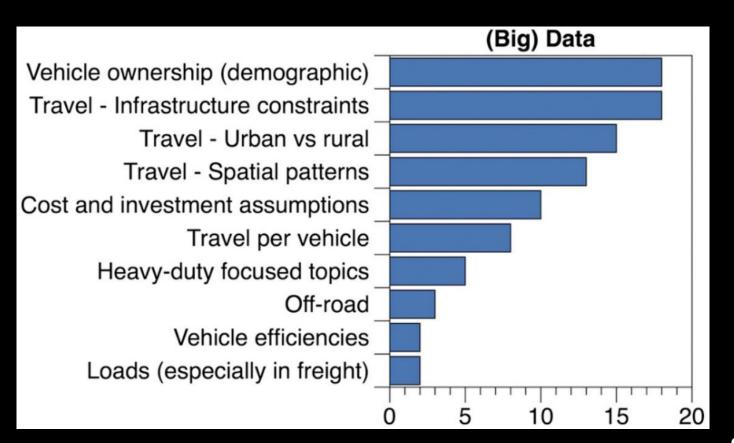


QUESTIONS?

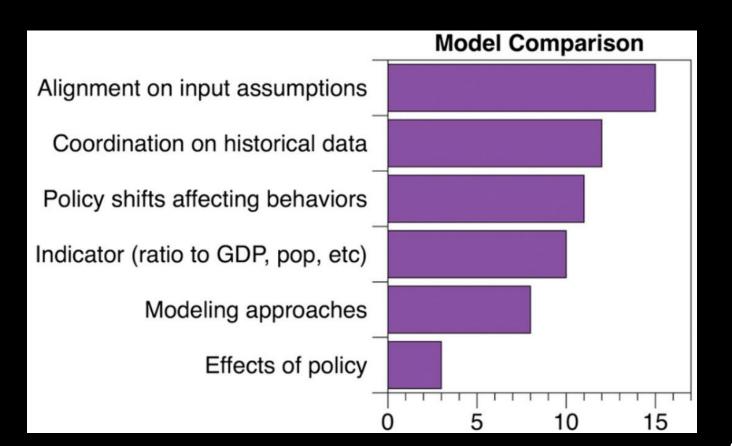


Which options for improving the modelling of transportation do you see (based on this paper)?

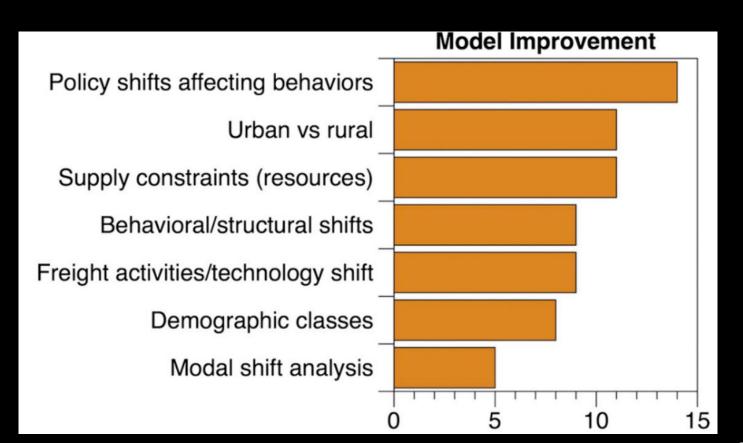














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