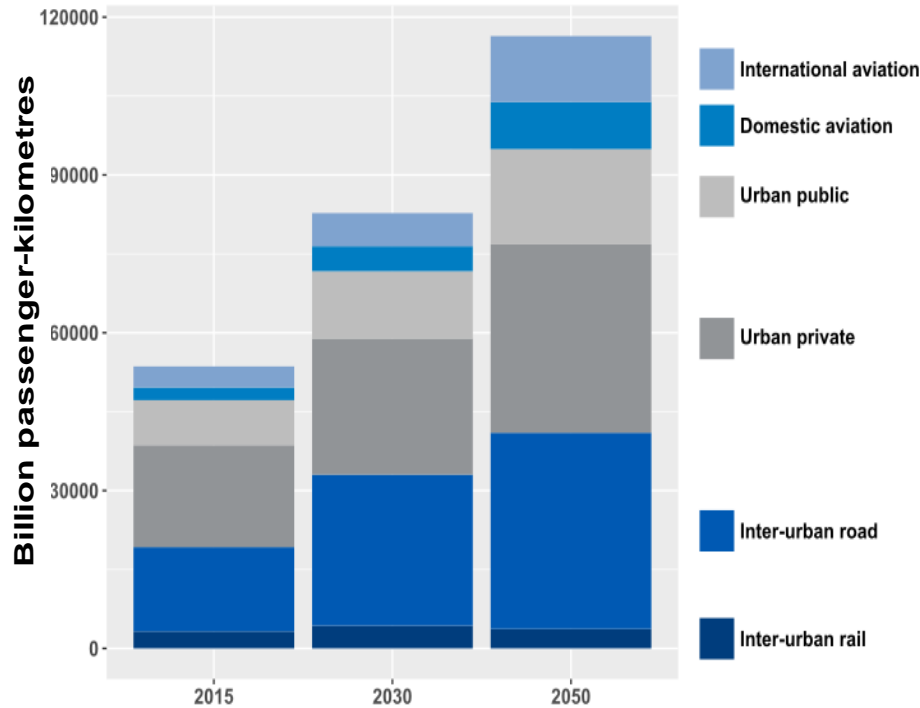

Decarbonising Transport

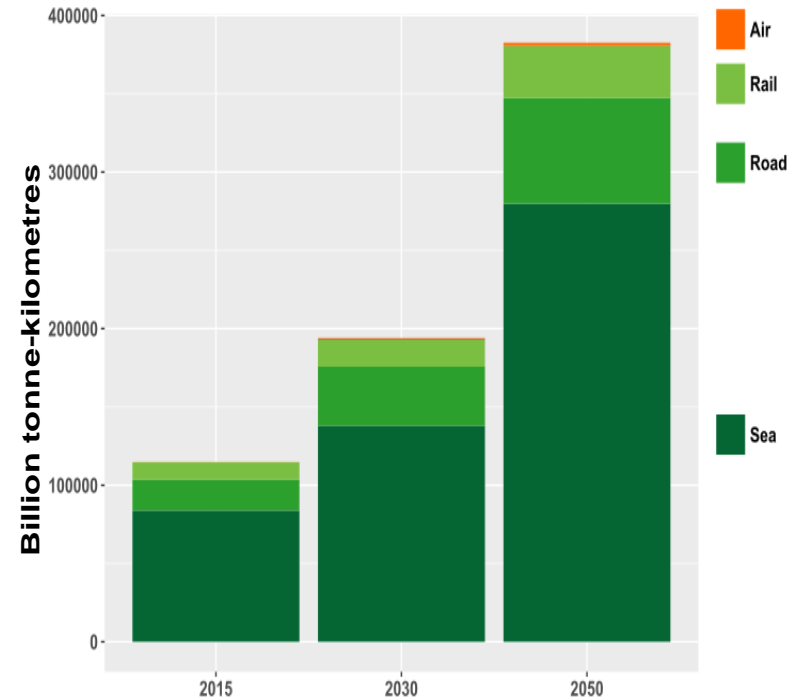
An ITF project to help achieve carbon-neutral mobility

Jari Kauppila
UNFCCC, Bonn, 23 May 2016

Global transport volumes will continue grow

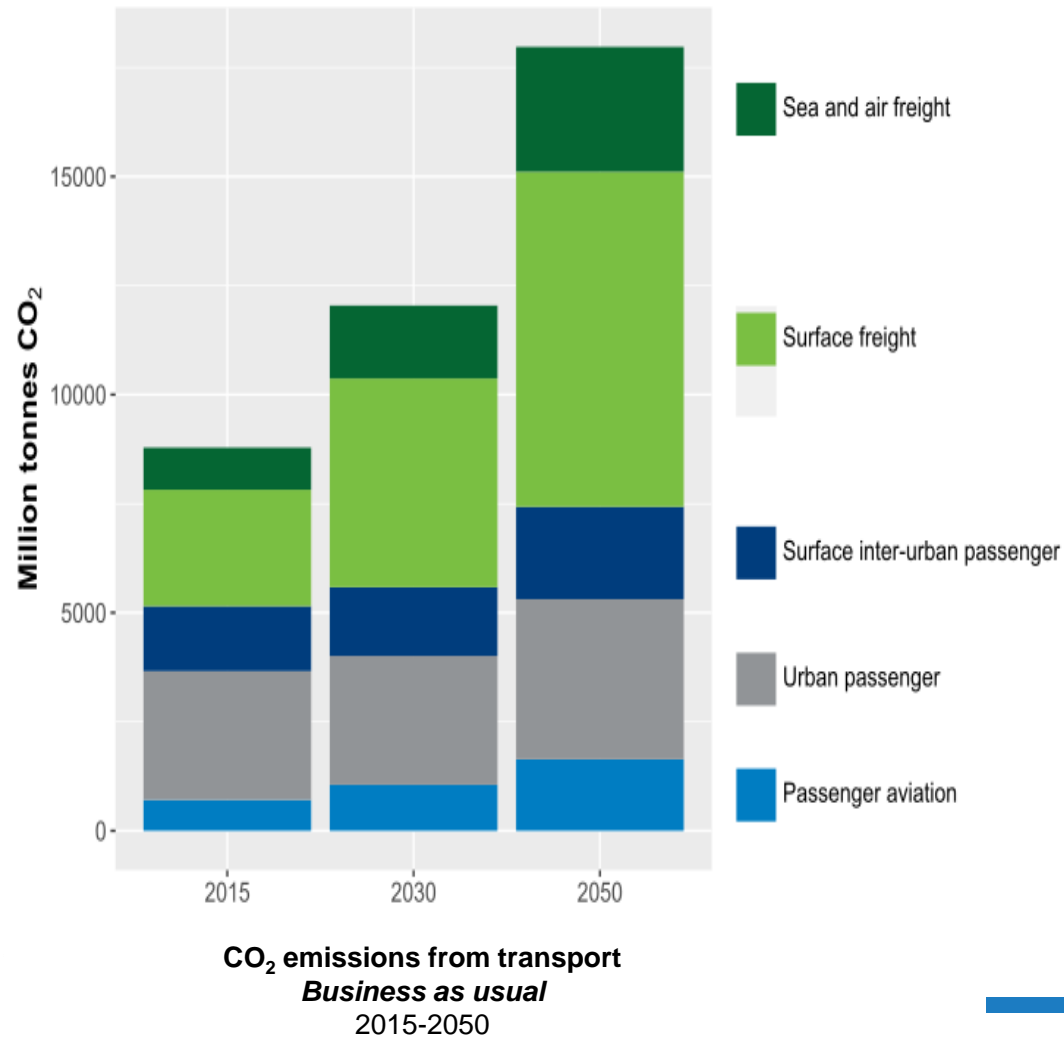


Passenger transport volumes
Business as usual
2015-2050



Freight transport volumes
Business as usual
2015-2050

CO₂ emissions to grow if no action taken



Urban mobility in emerging economies

38%

Big cities in China, India and Latin America will generate more than one third emissions growth from passenger transport by 2050

(baseline scenario)

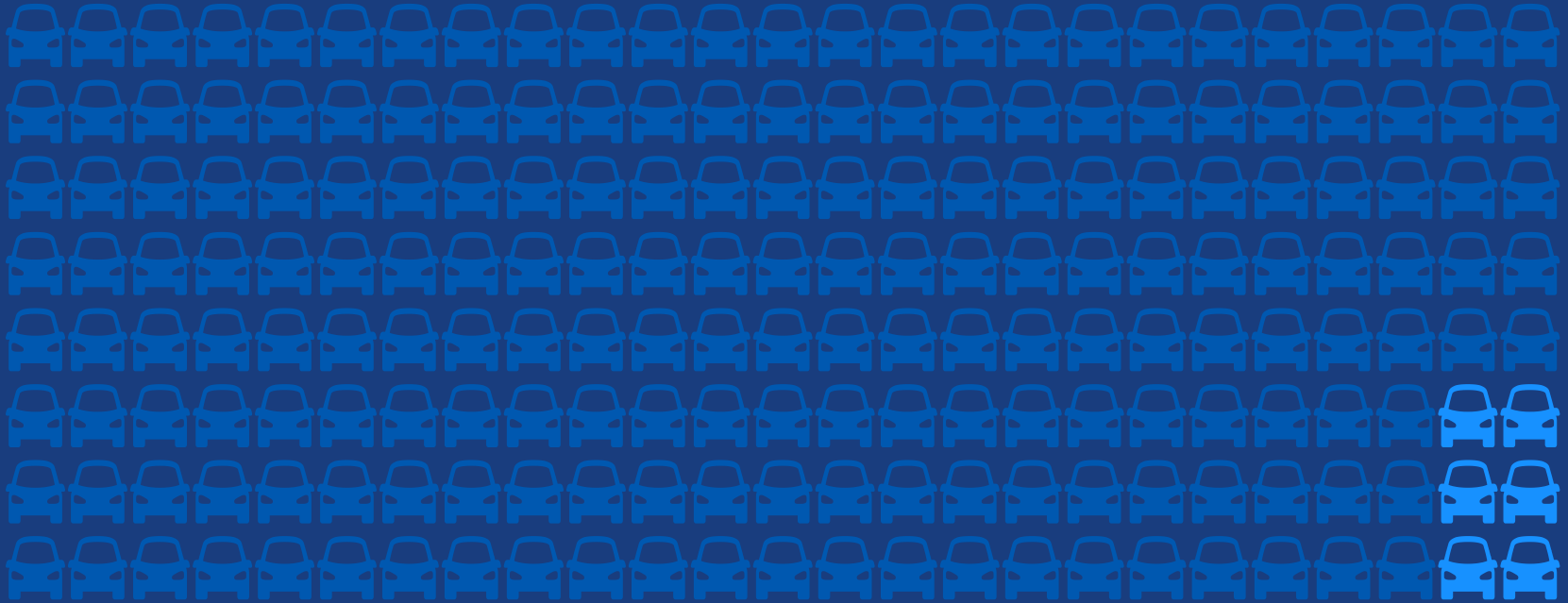


Policies that:

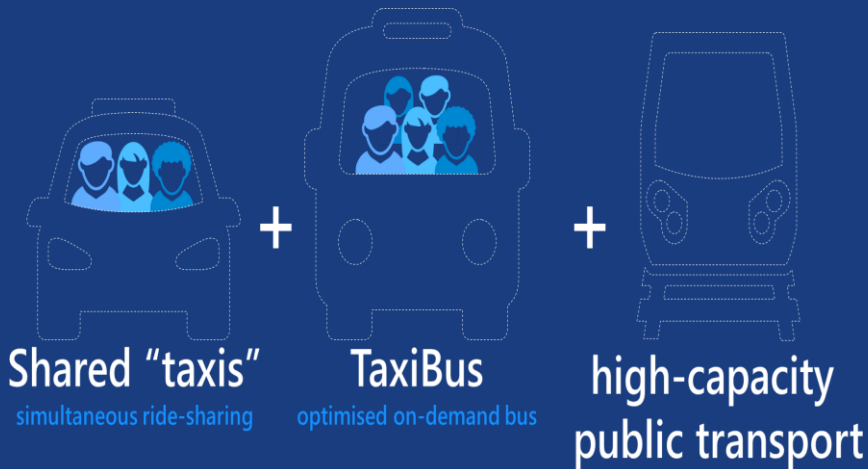
- ▶ **contain urban sprawl**
- ▶ **Favour public transport**
- ▶ **set prices to reflect real costs**

can reduce this growth by 30-40%



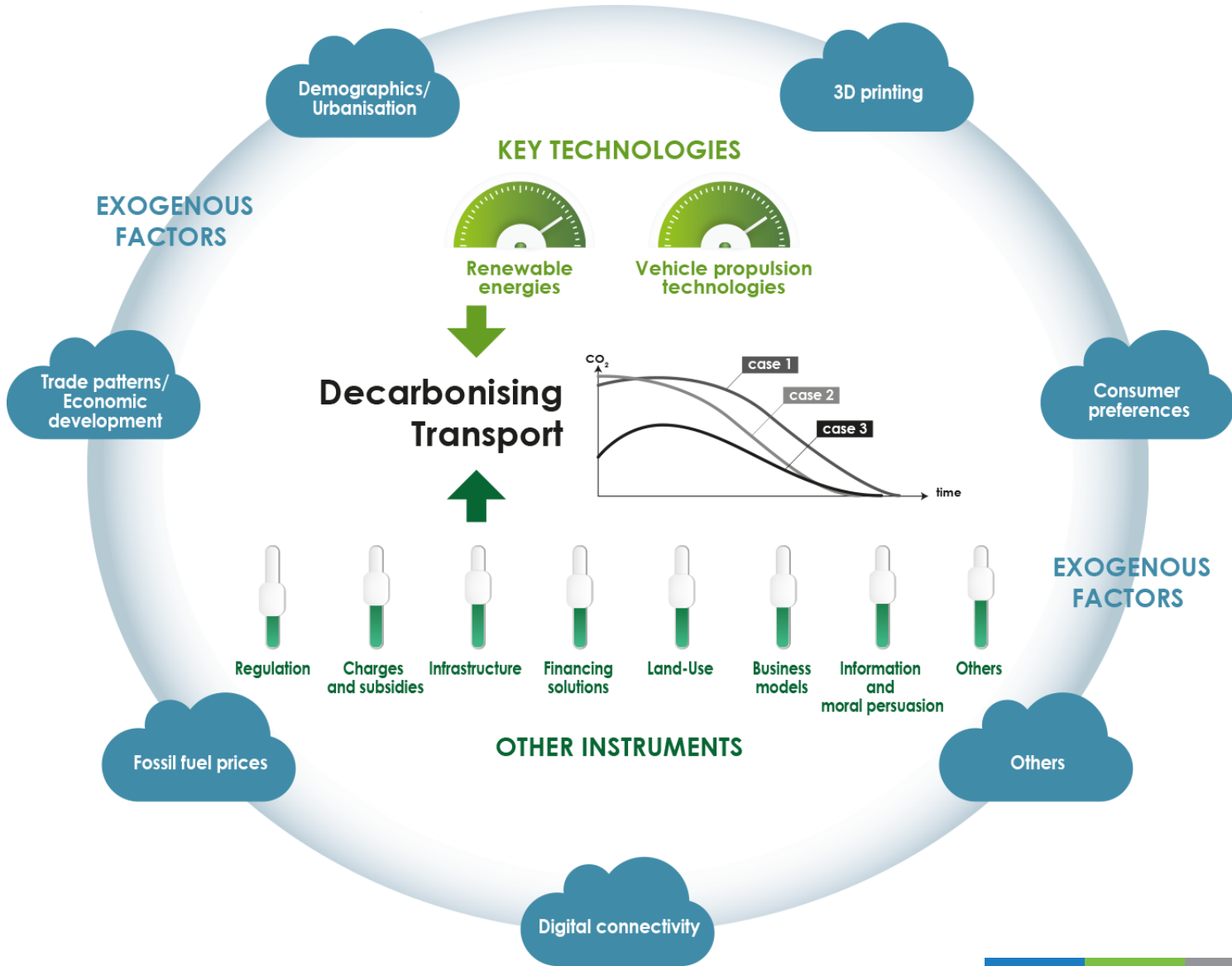


Scenario: 24 hours



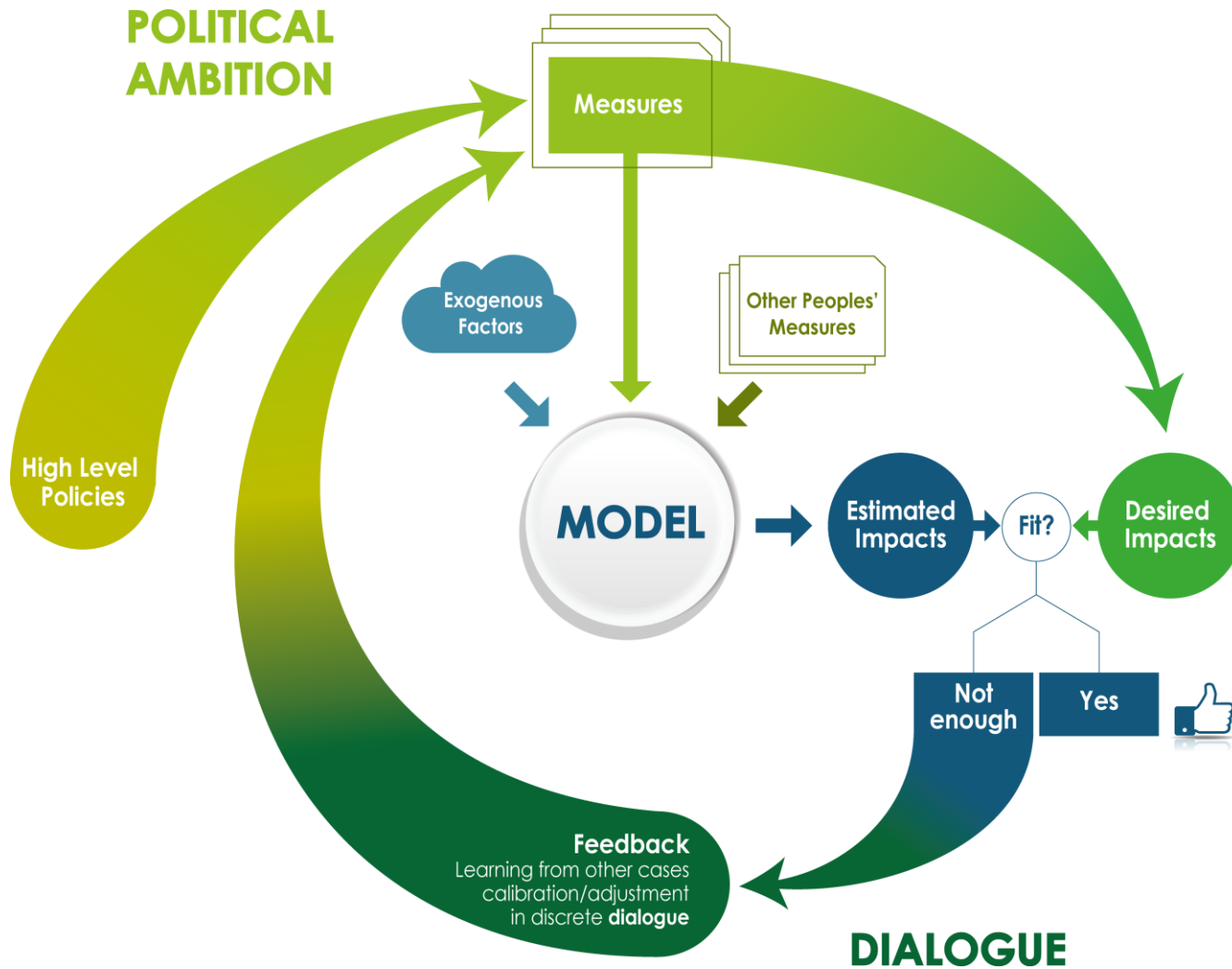
number of cars required to provide the same trips as before:

3%



DECARBONISING TRANSPORT

- ▶ **Objective: A commonly acceptable roadmap to bring transport to carbon neutrality by circa 2050**
- ▶ **Quantitative: A comprehensive model framework covering all modes of transport**
 - Allows rigorous, coherent analysis of policies and outcomes across the world
 - Considers global exogenous factors (demographics/urbanisation, economic development, digital connectivity, etc.) and impact on transport emissions
 - Simulation of technological evolution, alternative policy paths, and their expected outcomes. Adjustments to evolving results
 - Common assessment method
- ▶ **Inclusive: Dialogue and engagement with all partners**
 - Countries, multilateral organisations, technology providers, operators and other service providers, regulatory agencies, NGOs, etc.
 - The model supports the dialogue process, the main intended outcomes are collective learning and commitments



Thank you

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