

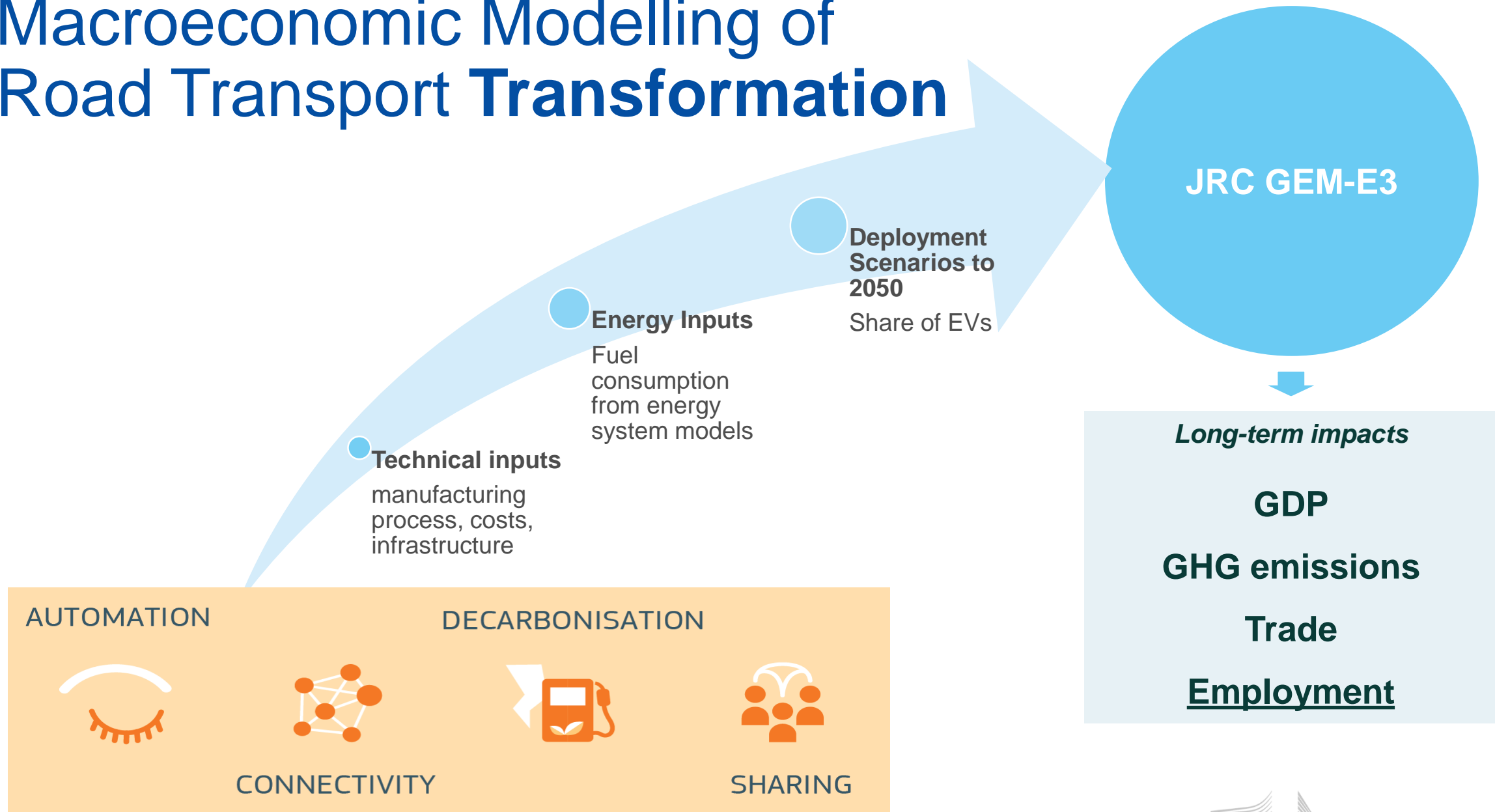


Electrification for a low-carbon transition

Economic and employment impacts

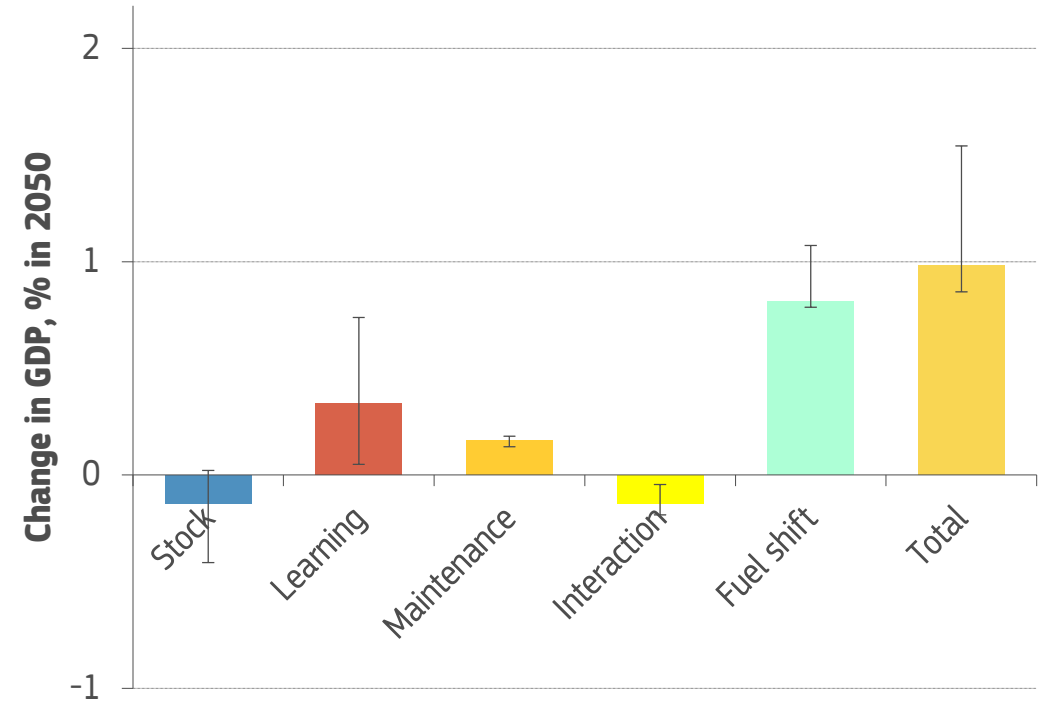
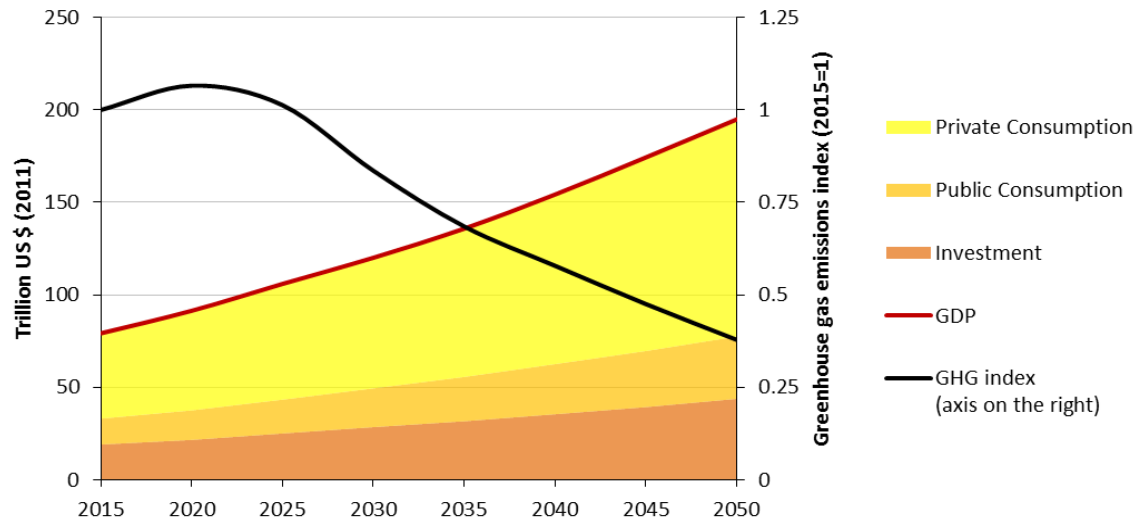
Marie Tamba – Joint Research Centre, European Commission
WG Understanding and Managing Industrial Transitions – 14 July 2020

Macroeconomic Modelling of Road Transport Transformation



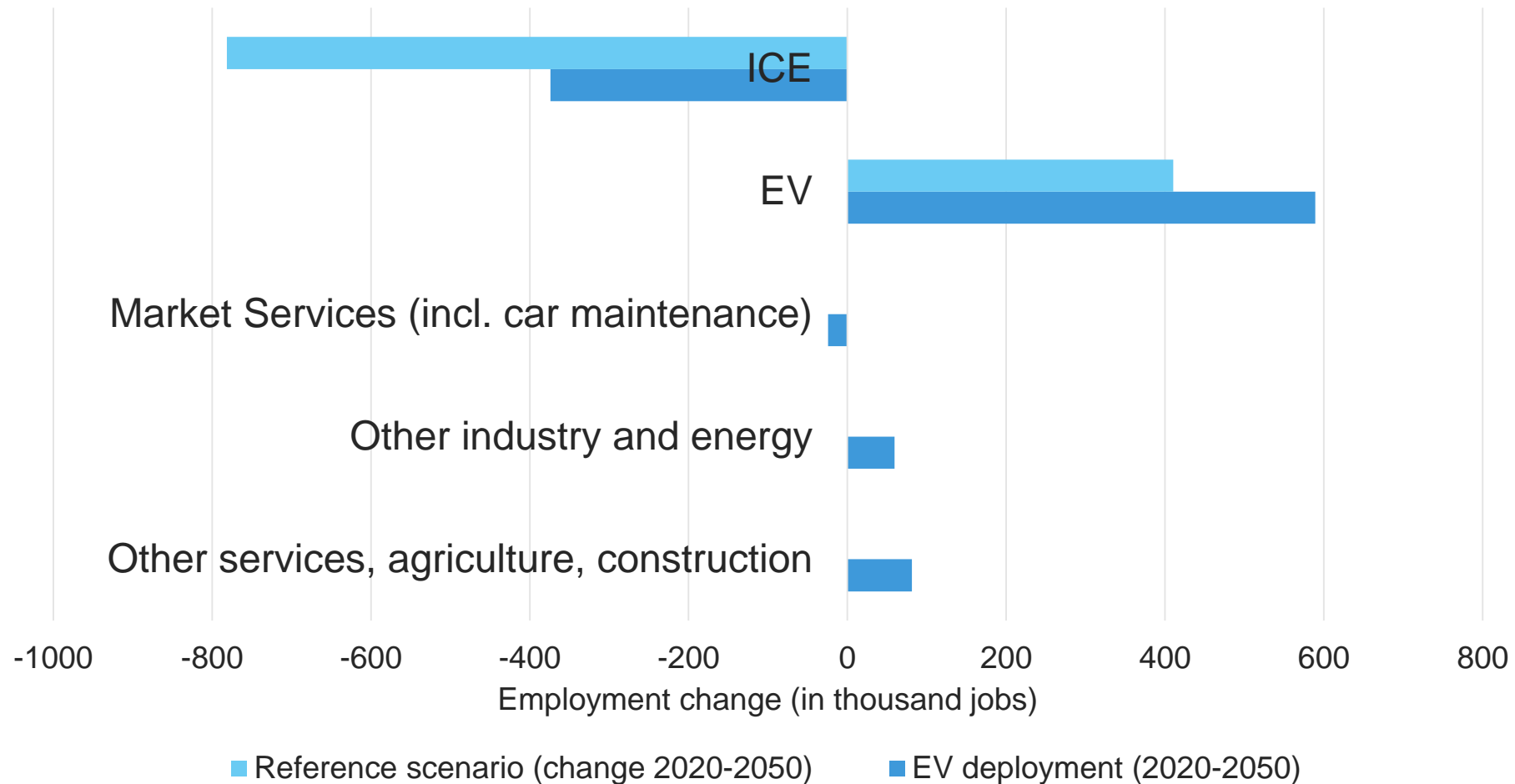
Benefits of road transport electrification

GDP and emissions trajectory to 2050 (World, 2°C Scenario)



- Low carbon pathway is compatible with robust economic growth. Macroeconomic value of electric vehicles in reaching a 2 °C pathway about **1% of GDP**
- Higher initial costs are more than offset by cost reduction in battery technologies. Lower maintenance requirements from electric vehicles

Illustrative scenario - impacts on EU jobs



Thank you

Any questions?

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The Future of Road Transport available at: <https://ec.europa.eu/jrc/en/facts4eufuture/future-of-road-transport>

Global Energy and Climate Outlook 2019 available at <https://ec.europa.eu/jrc/en/geco>