



Global Transportation Health & Climate Roadmap Series

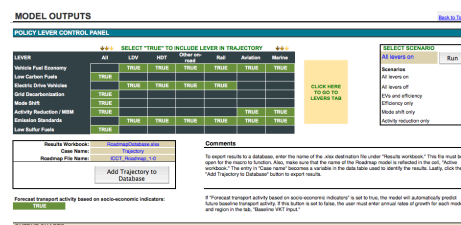
Cristiano Façanha

International Council on Clean
Transportation (ICCT)

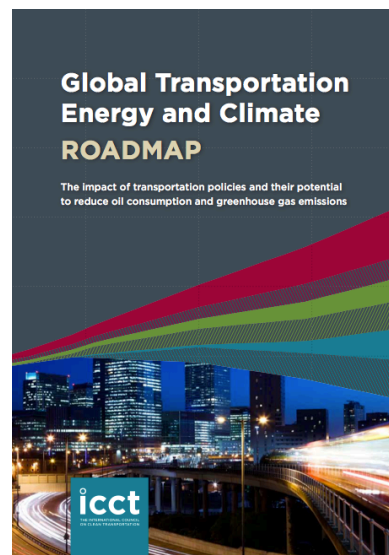
Bridging the gap
Pathways for Transport in the Post 2012 Process



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Roadmap Model

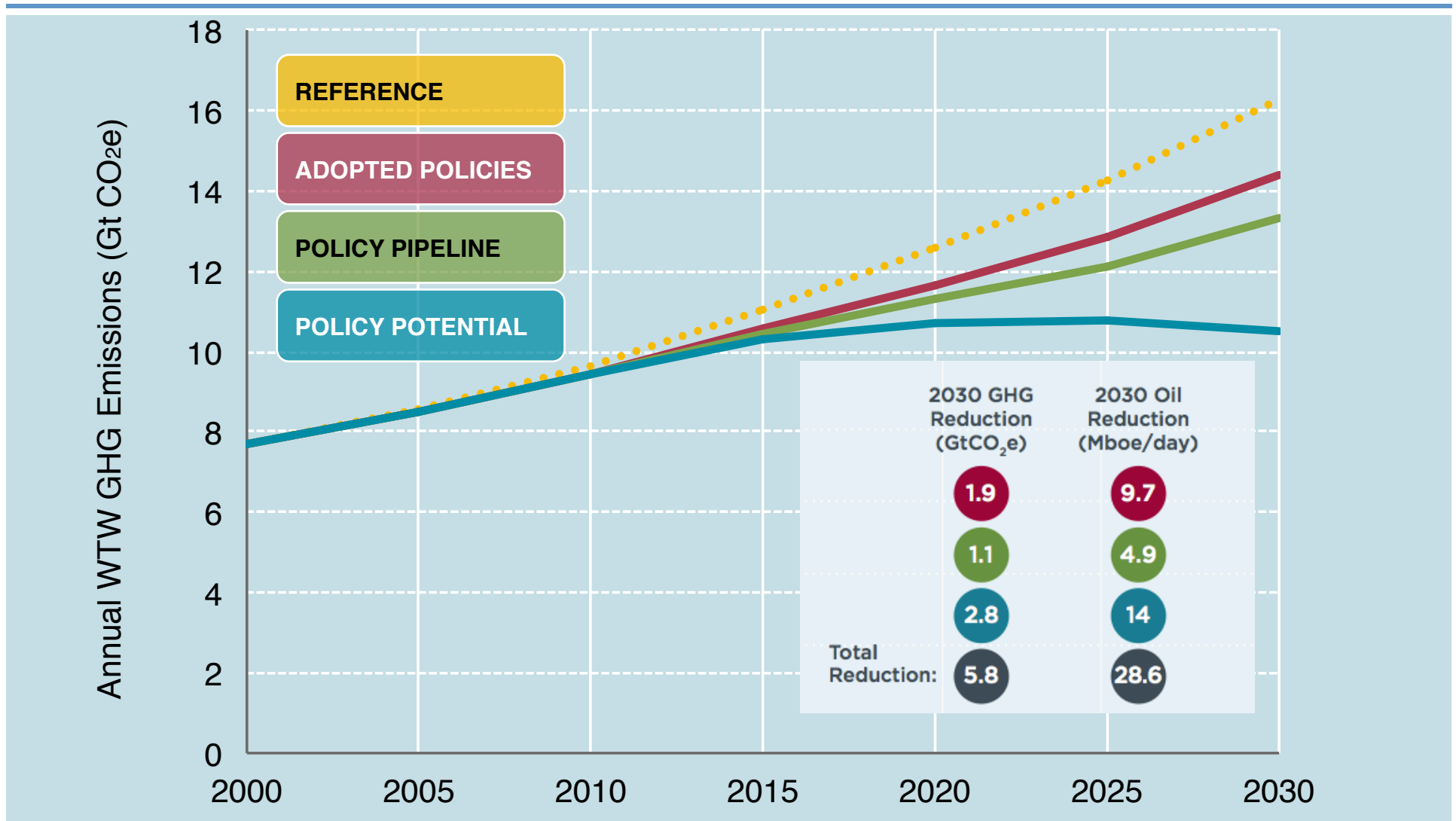


Global Transportation Energy and Climate Roadmap

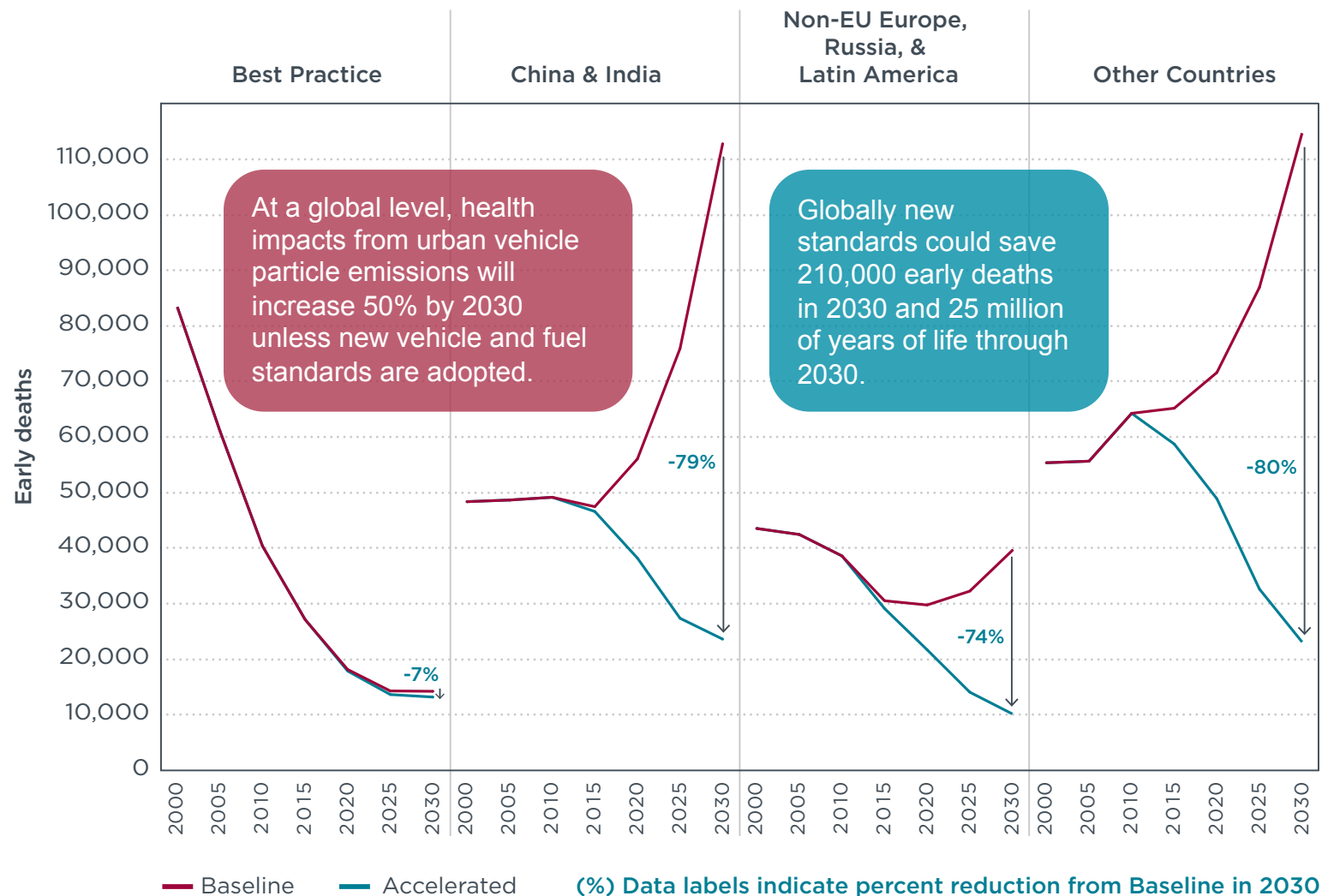


The Impact of Vehicle and Fuel Standards on Premature Mortality and Emissions

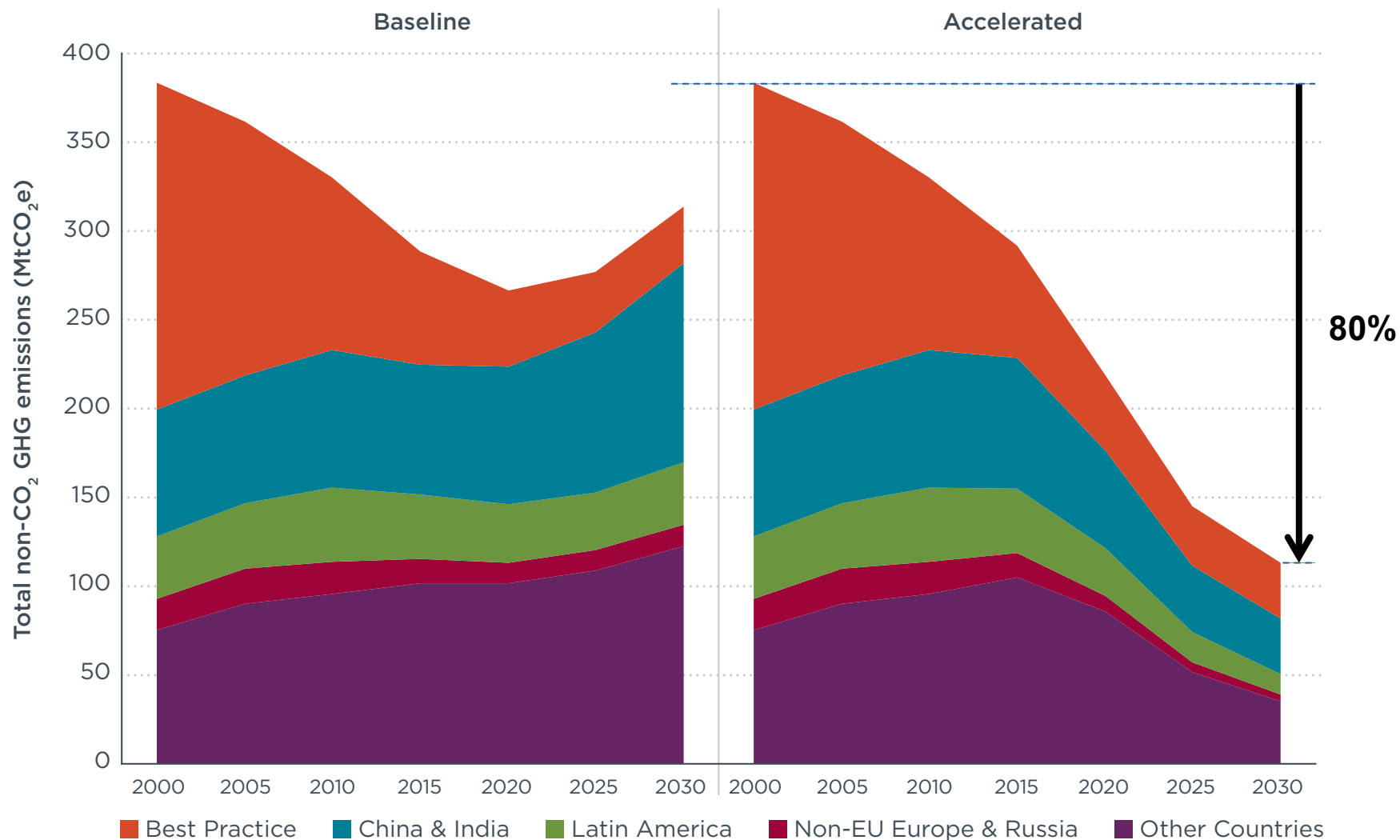
Expansion of world-class policies and cost-effective technologies across the world could stabilize transportation GHG emissions by 2020



Latest vehicle controls can reduce emission rates by over 99% from uncontrolled engines



And they can cut short-lived climate pollutants by over 80%



There needs to be much better integration between air quality and climate policies

Where there are synergies

- Strategies to reduce black carbon, ozone and methane will have immediate climate benefits, potentially avoiding “tipping points” while providing important air quality benefits.

Where there are trade-off

- Air quality policies will reduce aerosols, but will result in unintended warming because of cooling effect of pollutants.
- Marine fuel desulfurization
- “Dieselization” of light-duty fleet
- Introduction of GDI technology



THANK YOU!

