



INTERNATIONAL UNION
OF RAILWAYS

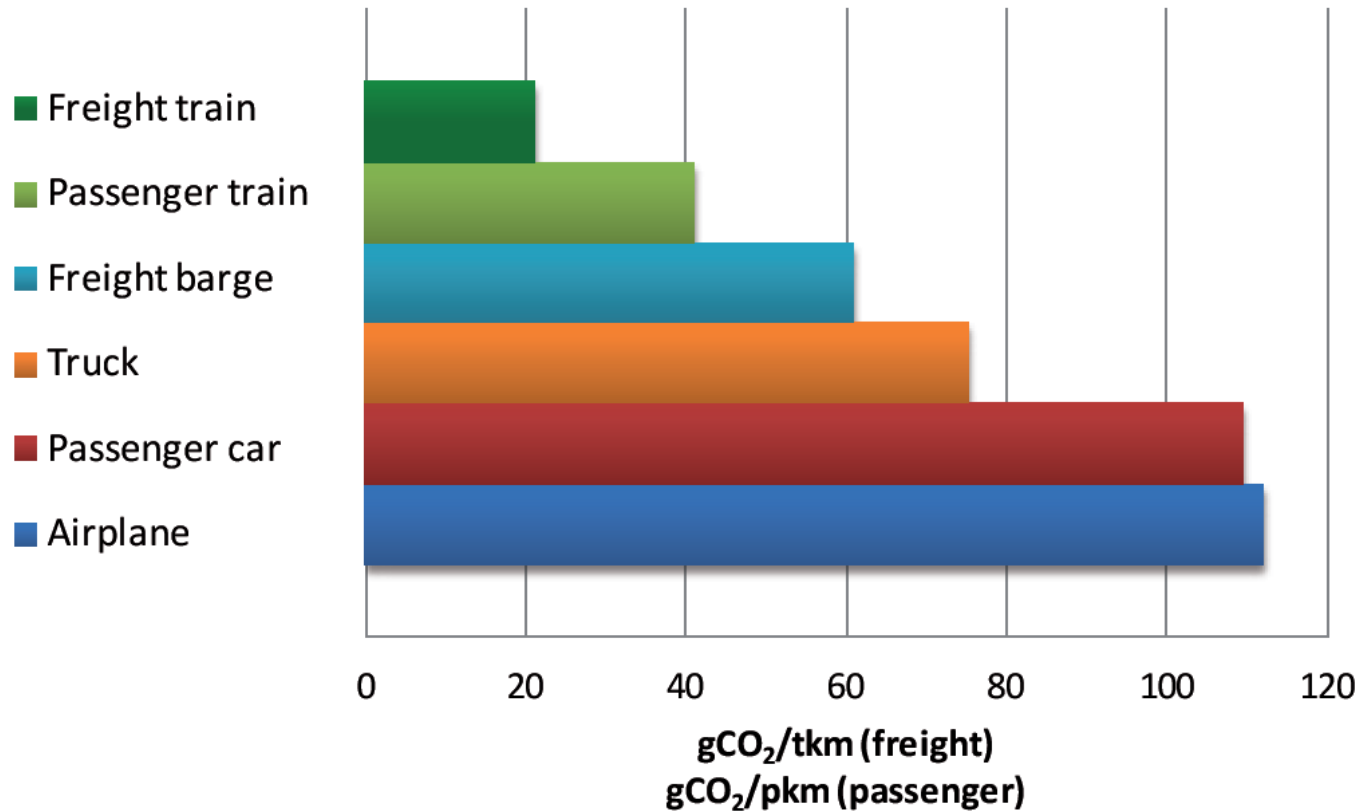
unity, solidarity, universality

Barriers and solutions to the roll out of urban and regional rail in rapidly urbanizing developing countries

Shifting to more efficient public transport and increasing energy efficiency of vehicles

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23 May 2016*

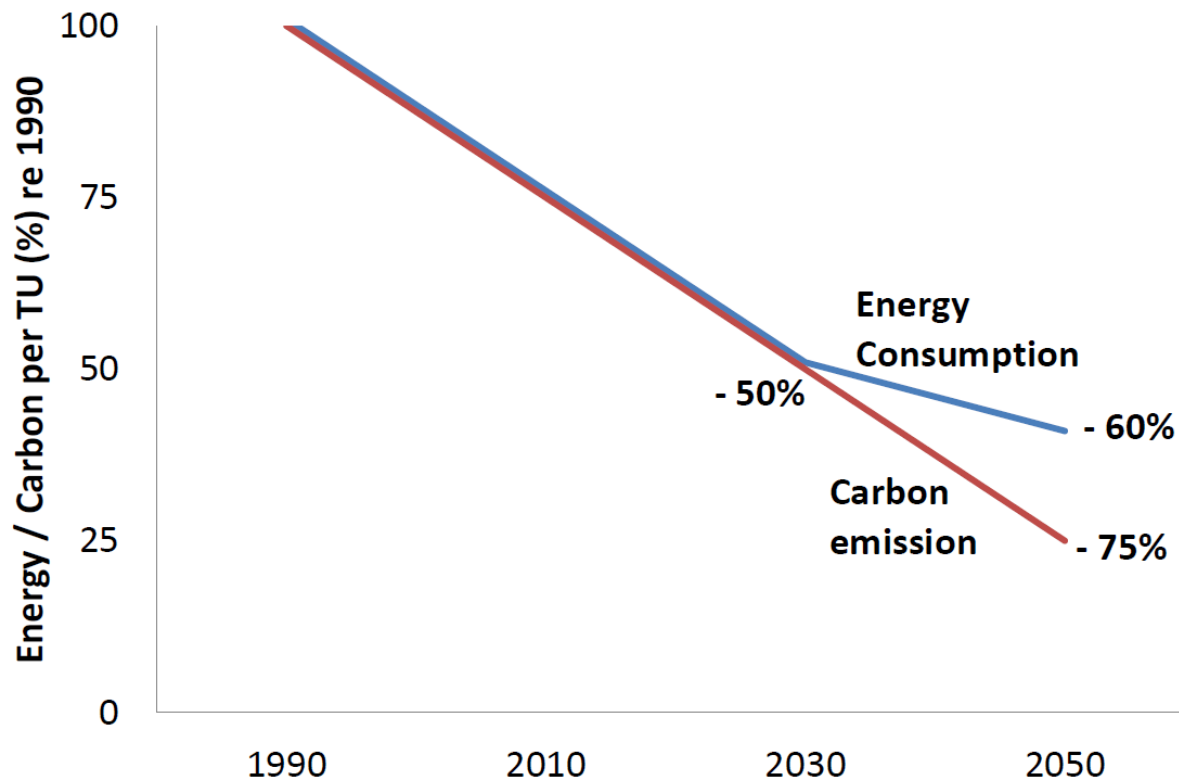
Rail is the most emissions efficient major mode of transport



EEA 2013b

UIC low carbon rail transport challenge

Energy & Carbon Targets



UIC low carbon rail transport challenge

Modal shift

- Passenger land transport modal share (passenger-km):
 - + 50% by 2030 (relative to a 2010 baseline)
 - + 100% by 2050 (relative to a 2010 baseline)
- Freight land transport :
 - equal modal share with road by 2030
 - +50% greater than the road modal share by 2050

Urban Rail in developing countries

Barriers	Solutions
Policy bias in favour of roads	Balanced transport policy
Image / behaviour	Invest in quality / attractive services Public awareness campaign
National vs local decision making	Whole system approach to transport planning – vertical and horizontal integration
Timescales: Political (short) vs project (longer)	Long-term vision (Sustainable Urban Mobility Plans)
Funding	Internalisation of external costs / polluter pays / land value capture