Private investment in transport infrastructure – past trends and future needs

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What the presentation is about

• How much private investment has contributed to total investment in transport infrastructure in Europe (DAF/INV + ITF joint work)

• How much investment may be necessary in transport infrastructure in the future (ITF Global Freight Model)

• What future developments may hold in store for transport infrastructure investment
Transport PPPs were concentrated in a few countries

Cumulative Private investment in transport infrastructure per European OECD country and mode, 1995-2014, US$ million

+90% of PPP activity
Public investment sustained a much bigger drop than PPPs

Private and total investment in road and rail infrastructure in OECD7* countries, 1995-2014, US$ million, 2005 prices
Effectively transport PPPs grew in value until 2010

Private investment in road and rail infrastructure in OECD7 countries, contract value vs. construction pace, 1995-2014, US$ million, 2005 prices
The future - Global freight demand

Freight transport demand (billion tkm) by mode
Global passenger demand

Passenger transport demand (billion pkm) by mode
The projections above were if the world would remain as it is today! In terms of technology, this is unlikely!

The impact of new mobility solutions:

– Shared driving
– Autonomus vehicles + smart infrastructure

ITF’s simulations for Lisbon:

• Showed 30 % reduction of traffic, when using an optimised system of future mobility solutions
• Only 3% of vehicles needed to deliver same mobility as today
• Removed need for all on-street parking!
Thank you

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