



European Strategy on Alternative Fuels







- *Clean Power for Transport Initiative* -

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European Commission

Alternative Fuels for all Transport

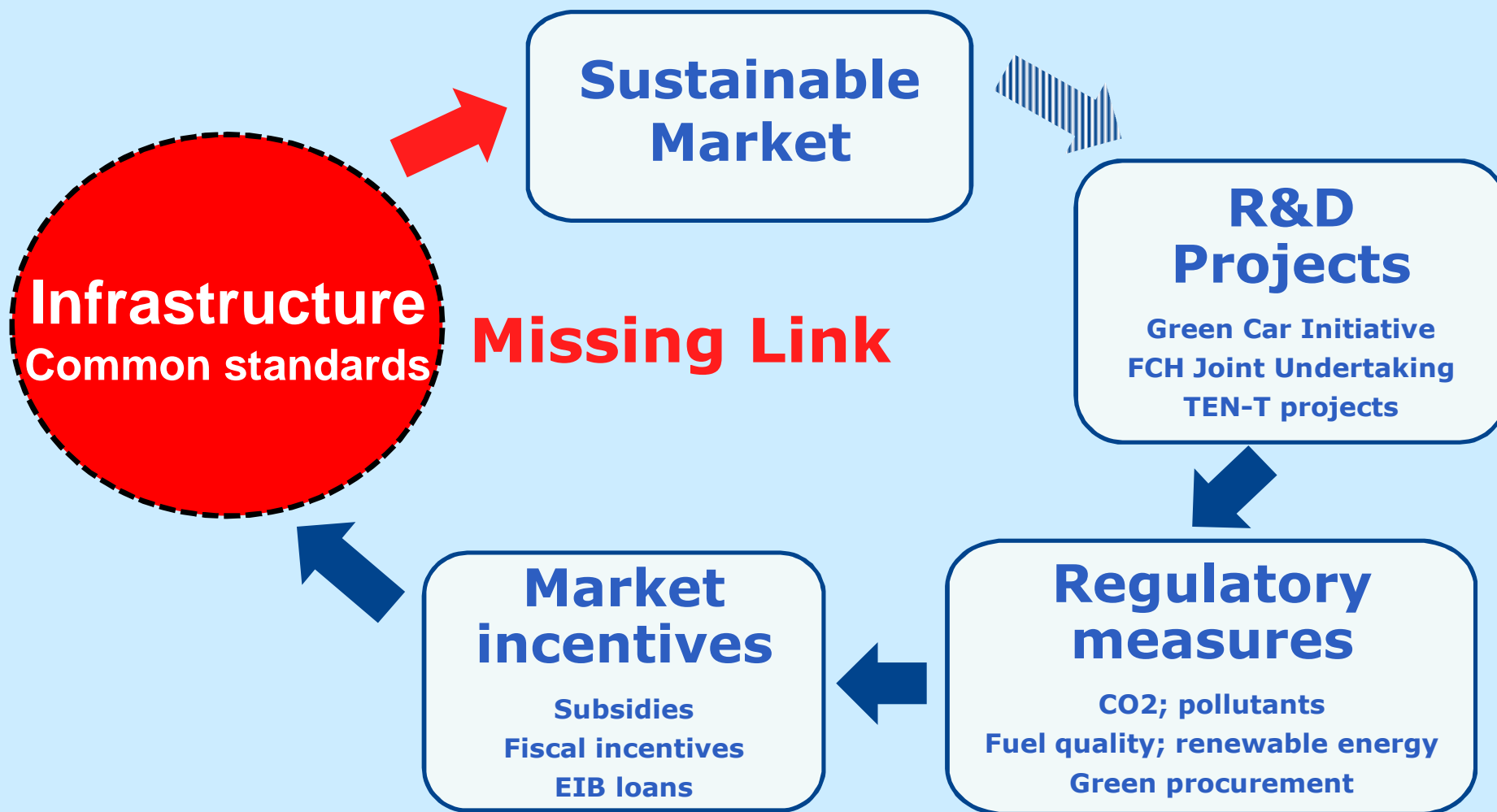
Mode	Road							Air	Rail	Water		
												
Range	Urban	Short	Medium	Long	Short	Medium	Long			Inland	Short sea	Maritime
Natural gas						LNG	LNG			LNG	LNG	LNG
Electricity												
Biofuels												
Hydrogen												

Alternative Fuel Market in Europe

Different national technology choices

- **Isolated** national/regional markets
- **Fragmentation** of the internal market for alternative fuels
- **EU-wide mobility inhibited** by technology borders
- **Deadlock** between missing infrastructure and vehicles

Alternative Fuel Market Development



Clean Power for Transport Package

- **European alternative fuels strategy**
Communication - COM(2013)17
- **Deployment of alternative fuels infrastructure**
Directive - COM(2013)18
- **Action Plan on LNG for shipping**
Staff Working Document - SWD(2013)4

Link to all Documents:

http://ec.europa.eu/transport/themes/urban/cpt/index_en.htm

Cost - Benefits

Cost

€ 10 billion total (€ 1.5 billion per year) for alternative fuel infrastructure until 2020

Benefits

€ 4.2 billion per year saving on oil bill

€ 1 billion per year saving from dampening oil price hikes

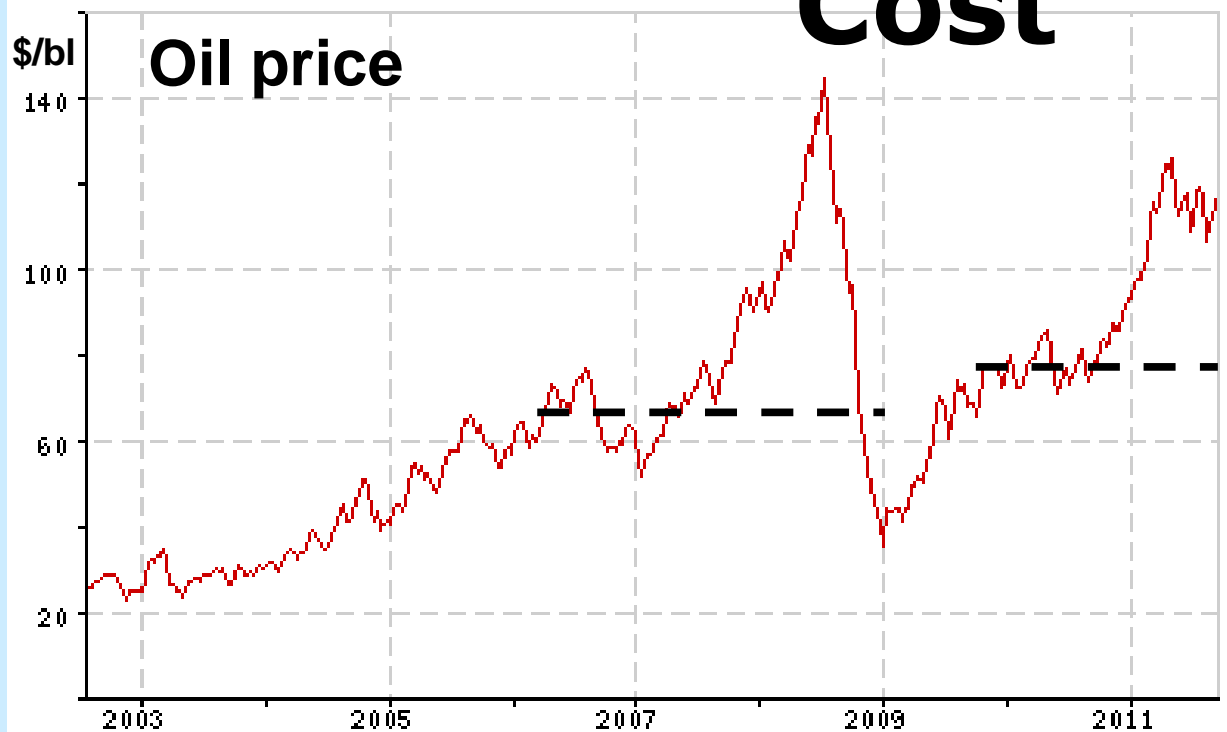
€ 15.4 billion from environmental gains

(less CO2 emissions, pollutants, noise)

Additional employment from infrastructure build-up

Strengthening of competitiveness of European industry

Cost



Speculative bubble 2007/8: Cost for EU transport: 90 bÖ
 North-Africa unrest 2010/11: Cost for EU transport: 40 bÖ

Alternative fuels

Infrastructure costs for full EU coverage

Electricity

20 million charging posts

40 bÖ

Hydrogen

100.000 filling stations

50 bÖ

Natural gas

100.000 filling stations

40 bÖ