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Florence School of Regulation

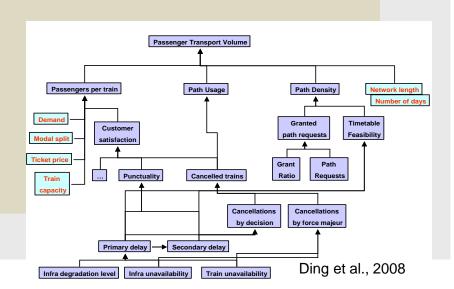
The 2012 European Railway Performance Index (RPI)

Boston Consulting Group
Presented by:
Matthias Finger



What was before the RPI?

- A lot of data on many aspects of performance; no harmonization
- Performance as seen by the TOCs, infrastructure operators, regulators, ministries
- Some indicators are linked to service level agreements, concessions, or financing instruments
- or very sophisticated models without data to fill them





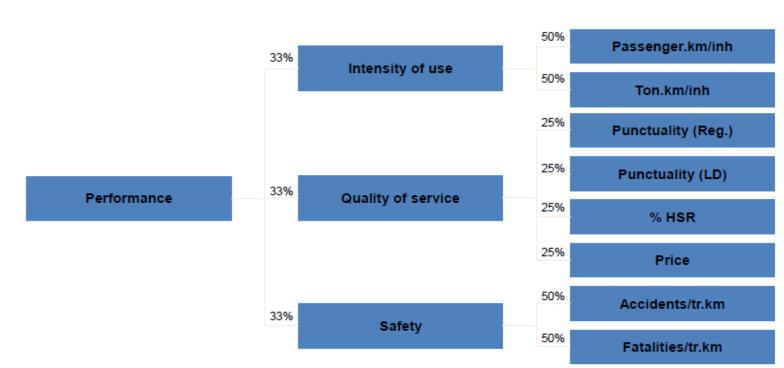
What is the RPI all about?

- A <u>comprehensive</u> view on performance:
 - assett utilization
 - quality of service
 - safety
- A <u>national</u> perspective aimed at measuring the performance of a national railway system
- A <u>policy-oriented</u> index
- An attempt to link the performance of a national railway system to ... (so-called performance <u>drivers</u>)
 - its financing (e.g., public cost)
 - its degree of liberalization
 - its governance model



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How to measure performance?



Passenger.km/inh: The number of passengers multiplied by the number of kilometers traveled. divided by the country's population Ton.km/inh: Tons of goods multiplied by the number of kilometers traveled, divided by the country's population Punctuality (Reg.): Punctuality of regional trains, computed as percentage of regional trains with less than a five-minute delay Punctuality (LD): Punctuality of long-distance trains, computed as a percentage of long-distance trains with less than a 15-minute delay %HSR: Percentage of "high-speed rail," computed as HSR's share of long-distance traffic (measured in passenger.km)

Price: Average fare, measured in euros per passenger.km

Tr.km: The number of trains multiplied by the number of kilometers travelled

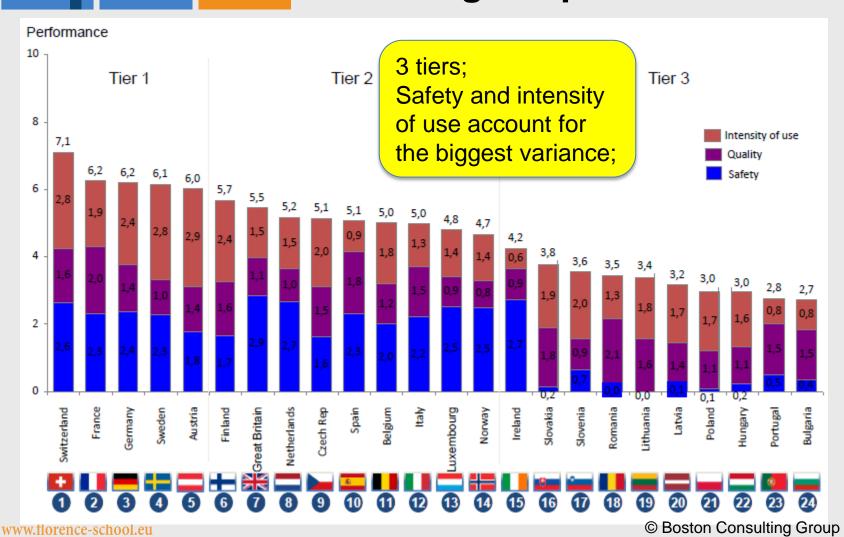


Limitations of the RPI

- <u>Passenger rail</u> is over-weighted relative to freight, because punctuality is only measured in passenger transport
- Big countries (size) are favoured relative to small countries, because of the share of high-speed travellers
- Data stem from the International Union of Railways (IUC): not enough data for DK, EE, GR

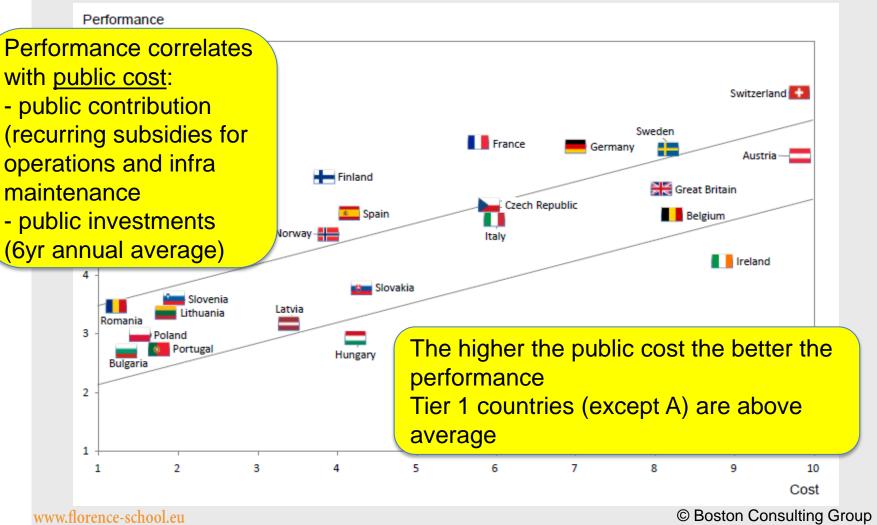


Ranking rail performance



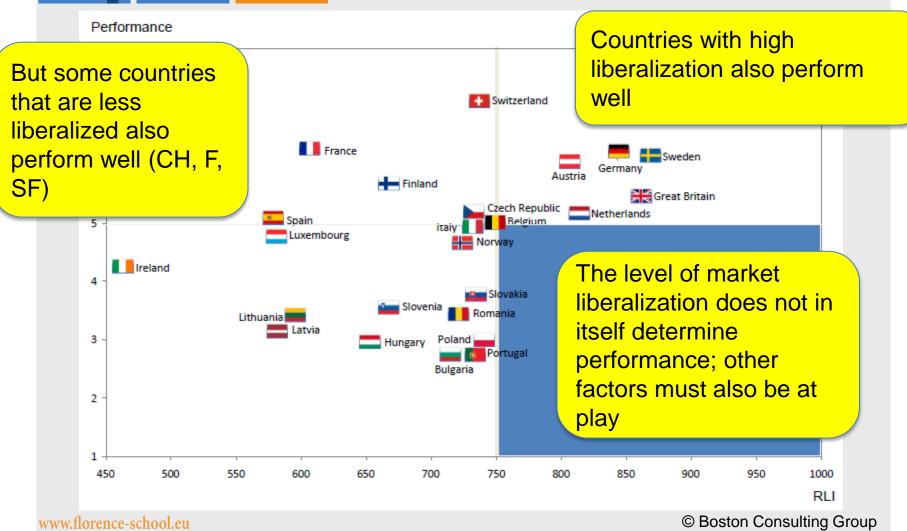


Driver: public cost





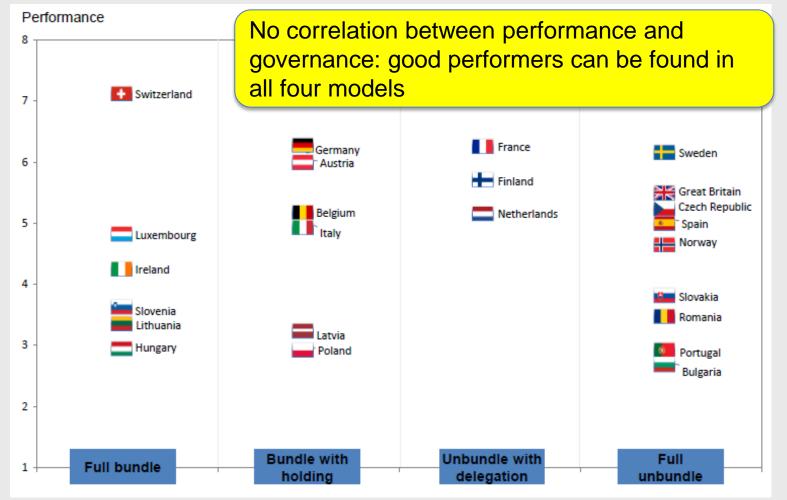
Driver: liberalization





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Driver: governance model



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