DIOMIS Seminar 2 - UIC

Combined Transport The needs and the required measures

Jacques DIRAND
CER Freight Policy Adviser

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A Primary European Rail Freight Network (PERFN)

What is the case for such a network?



A Primary Freight Network: Why?

Because of the "Growing Demand" for rail freight.

Expected Growth...

- Combined Transport: +113% betw. 2002 and 2015 (according to "Diomis")
- Total Freight: +67% betw. 2005 and 2020 (according to "UIC ERIM")
- Total Freight: from +72% to +104% betw. 2000 and 2020 (according to "TEN-STAC")

At nearly constant market share of rail (15% in EU15; 35% in EU 10)!

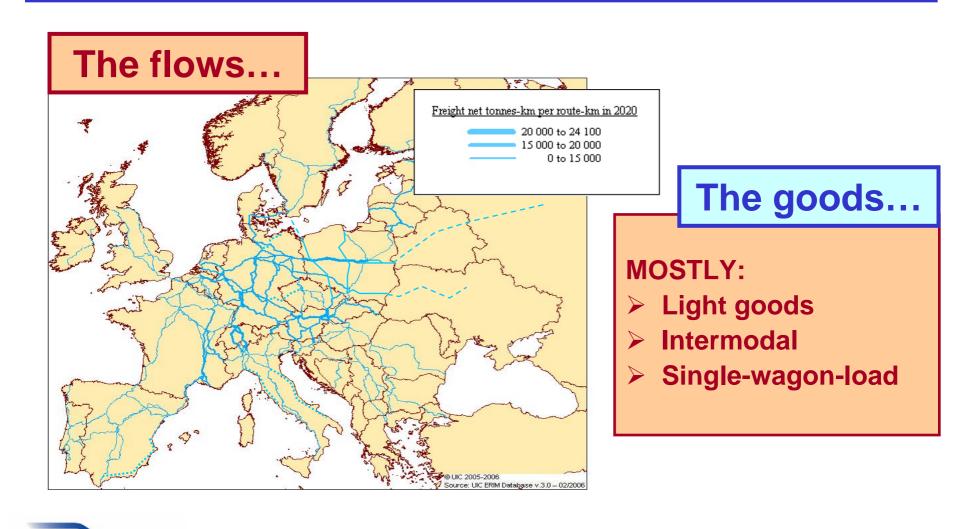
3 QUESTIONS:

- Is optimisation of the use of the existing infrastructure enough?
- What about freight demand growth after 2020 ?
- And what if we wanted to increase the share of rail from 15% to 40%?



What will the demand be like?

Source: UIC ERIM + CER FFG/IWG

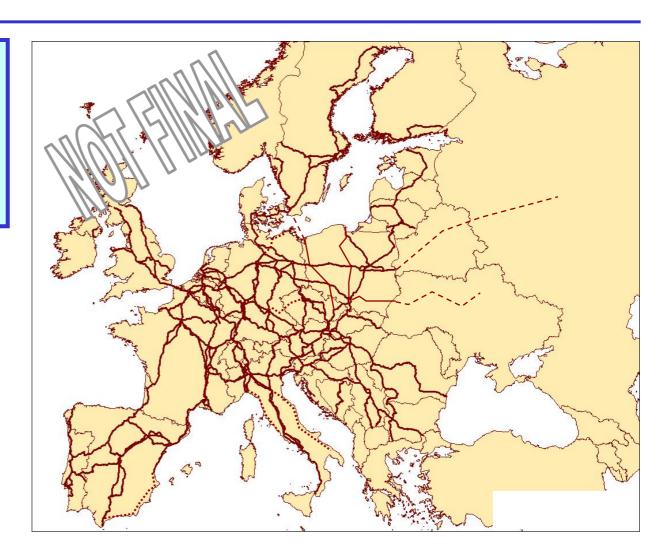




What is needed to face the growing demand?

A Primary
European Rail
Freight Network
(PERFN)









Which Primary European Rail Freight Network?

A network which boosts productivity

- i.e. an infrastructure accepting longer trains (750m; 835m; 1,500m)
- Maybe an infrastructure accepting also heavier trains; faster trains; double-stack...

A network free of bottlenecks

- An infrastructure which <u>relieves congestion</u> of rail sections and rail nodes.
- An interoperable infrastructure.

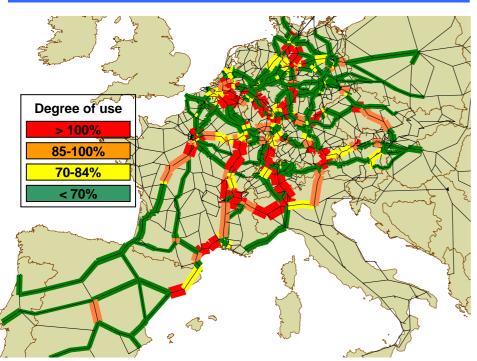
<u>Proposal</u>: The characteristics of the Primary Freight Network must be defined <u>corridor</u> by <u>corridor</u> (or on a geographical area basis) depending on <u>individual market situations</u>.



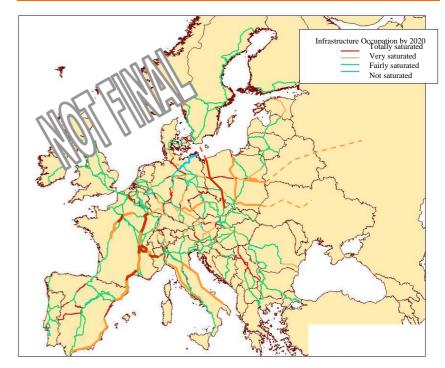
A network free of bottlenecks:

We very well know where the bottlenecks are and will be.

Planned infrastructure congestion by 2015 (Source: Diomis)



Planned infrastructure congestion by 2020 (Source: UIC ERIM)







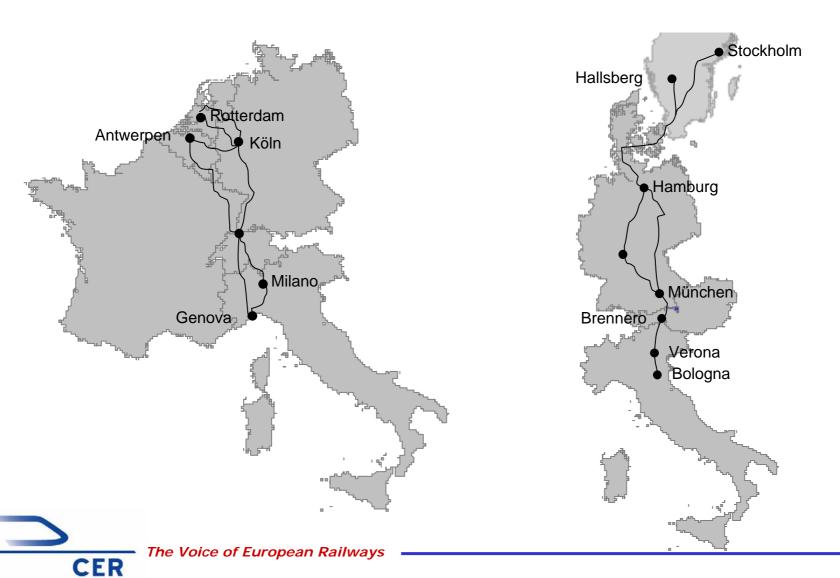
The CER study

A corridor-by-corridor approach:

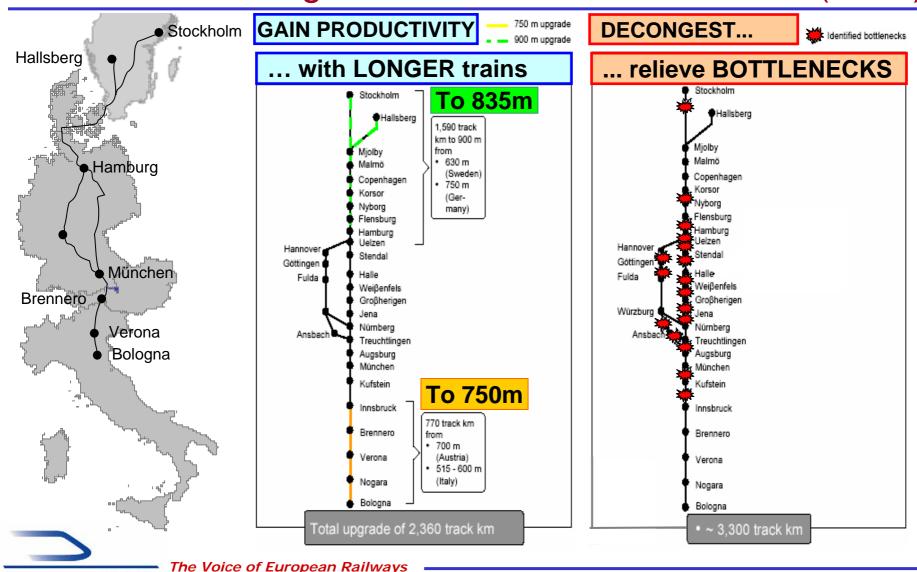
- 1. Corridor « Sweden Italy »
- 2. Corridor « Benelux Italy »



The CER studies: Boost productivity and decongest the corridors "Benelux – Italy" AND "Sweden – Italy"

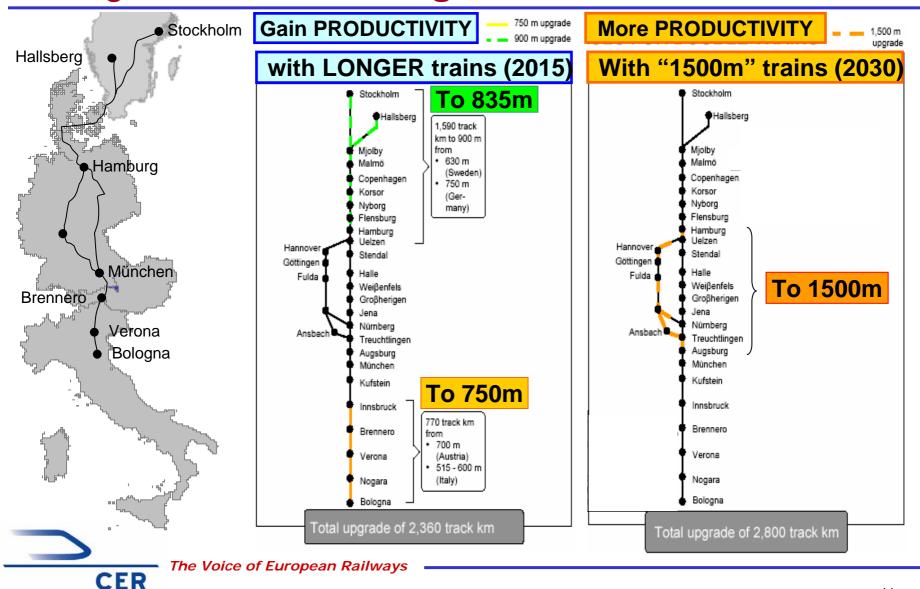


CER study: Gain productivity and decongest the "Stockholm – Bologna Corridor" in medium term (2015)

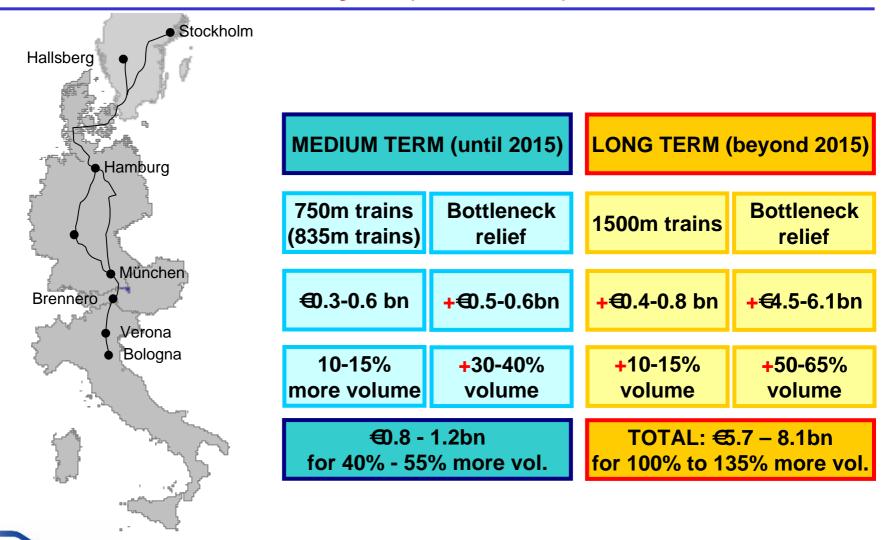


CER

CER study: Gain more productivity on the "Stockholm – Bologna Corridor" in long term after 2015.

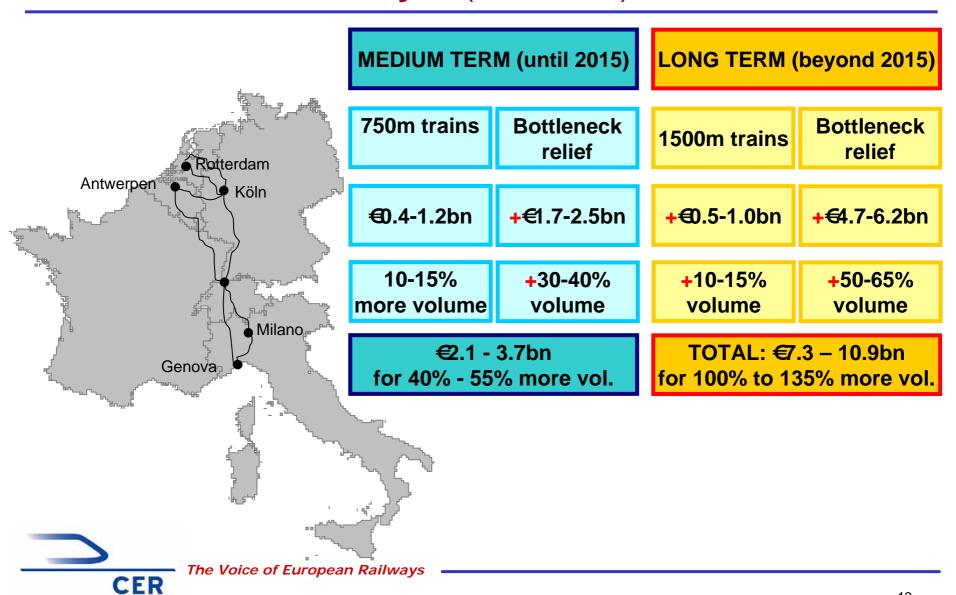


CER study: Which **investment** for what benefit on the Corridor "**Sweden - Italy**"? (Estimate)



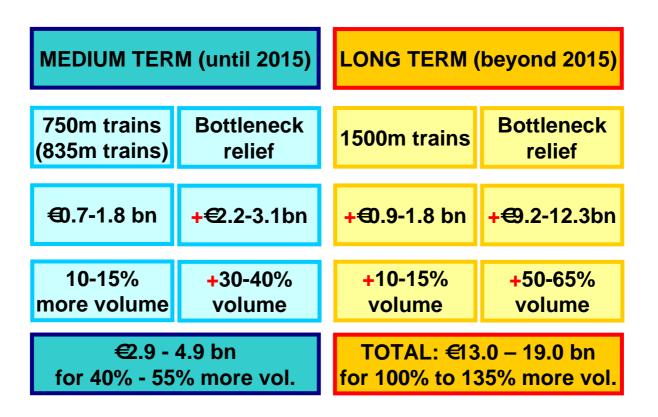
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CER study: Which **investment** for what benefit on the corridor "**Benelux - Italy**"? (Estimate)



Which investment for what benefit? (Estimate)

For both corridors: "Benelux - Italy" and "Sweden - Italy"





What to do next?

- 1. Produced two « timed plans »
- 2. Study at least 4 new corridors



Next steps

Do 2 corridorcoordinated plans (ERIM)

- Check and refine the investment figures on the 2 corridors
- Define the order of corridor investments (to optimise the cost/benefit ratio)

Study new corridors (network)

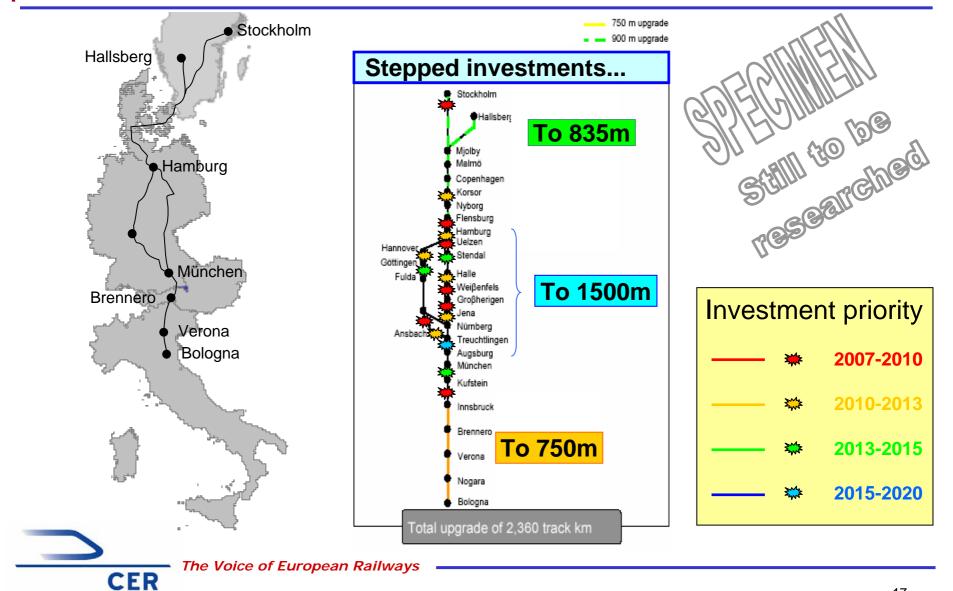
- Study at least four new corridors before April 2007
- > Provide appropriate **financing**.

Short term actions:

- CER-McKinsey and ERTMS corridor teams refine figures.
- Do further studies on the remaining ERTMS corridors.



CER-ERTMS teams work: Check investment figures & produce a "Corridor-Coordinated Plan"



Proposed task for CER members: choose new corridors to make up a <u>FULL</u> European Investment Plan...

