

Technical, Socio-economic and Supply/Demand study regarding the transport of the FERRMED Great Rail Network (Scandinavia-Rhine-Rhône-Western Mediterranean)

Introduction and Overview

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The WYG Consortium



Consortium

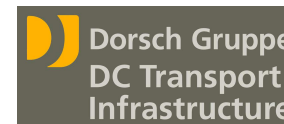
Consortium Leader

WYG International part of the WYG group

creative minds safe hands



Partners and subcontractors

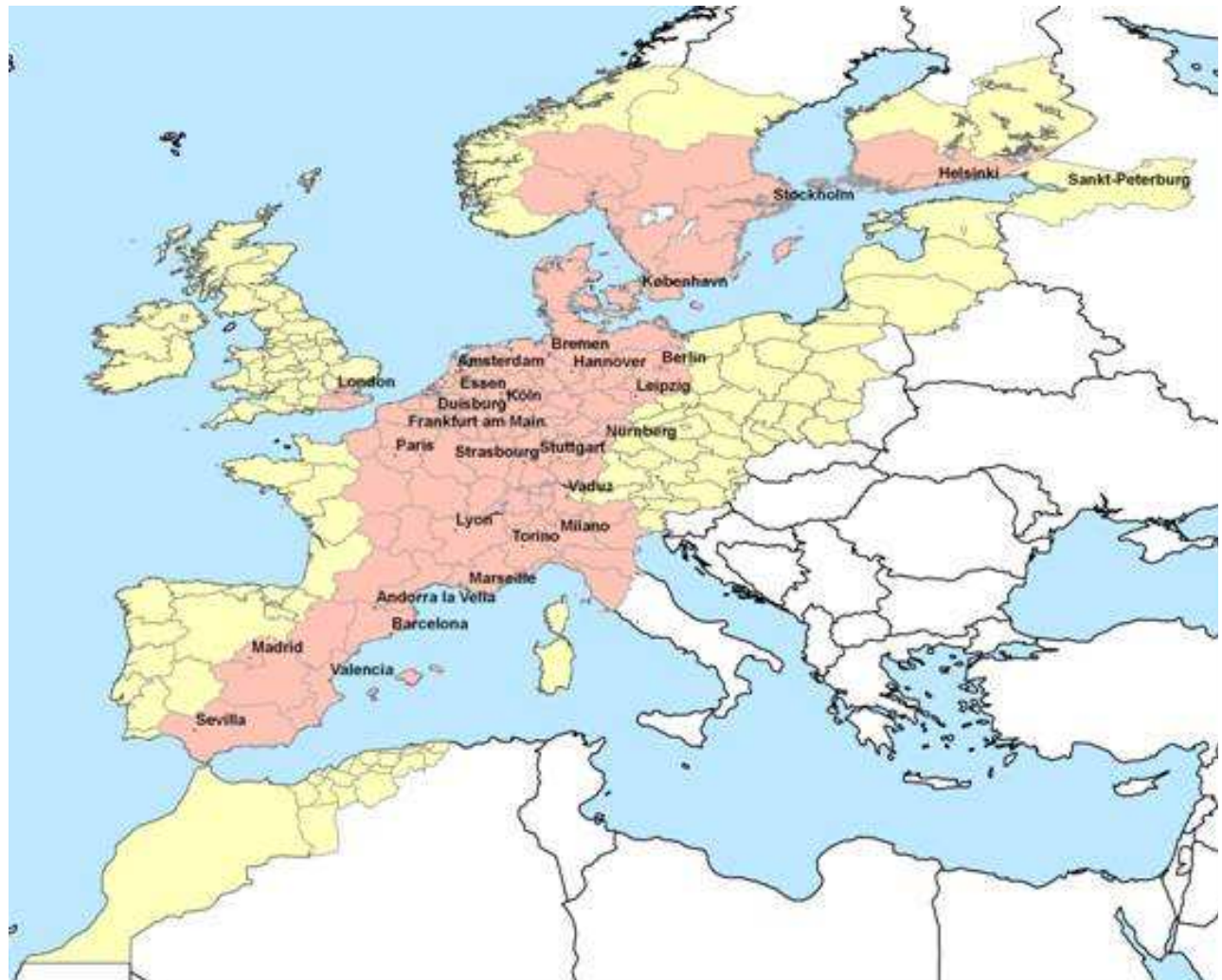


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FERRMED Great Axis Rail Network definition


- FERRMED Great Axis Rail Network (2007)



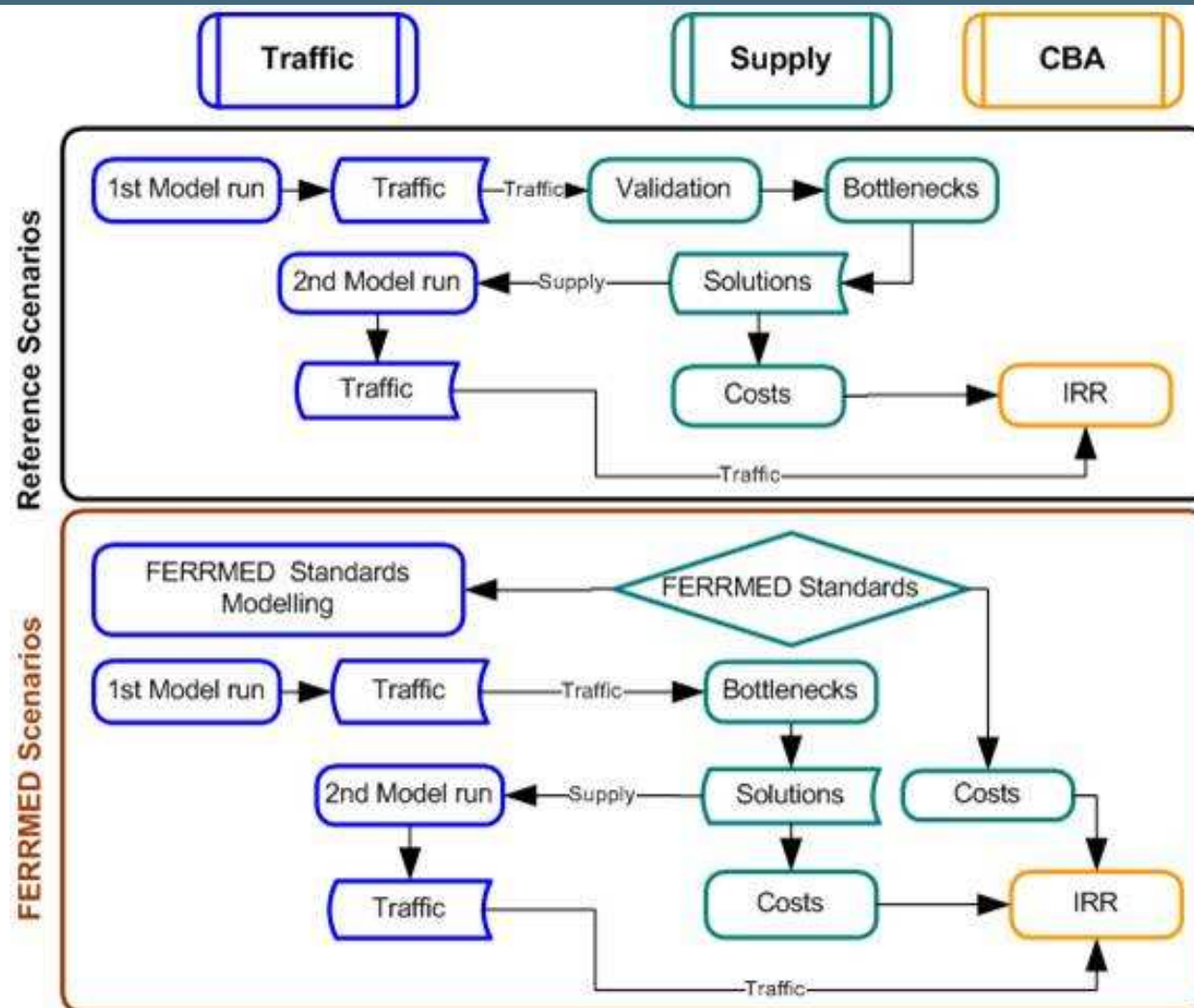
FERRMED Great Axis Rail Network definition

- FERRMED Great Axis Rail Network (2009)



- Strategic Transport Planning pre-feasibility project, including:
 - Railway infrastructure (new or upgrading of existing)
 - Necessary investment (including Freight Terminals)
 - Operational issues
 - Legal and administrative framework
 - Environmental concerns
 - Economic profitability
 - Financing options
 - Market opinion (and Market Analysis)
- 
- Four (4) main modules:
 - Supply/ Demand analysis
 - Technical analysis
 - Cost-Benefit analysis
 - Legal and administrative issues

Interactions between modules



- The **Medium FERRMED Scenario** is defined as the scenario which involves
 - all the basic infrastructural investments as described and implemented in the reference scenario,
 - infrastructural and operational measures in order to implement “FERRMED standards” on a medium level,
 - the implementation and maintenance of infrastructure investments in order to solve bottlenecks (determined by the Supply/Demand and the Technical Analysis) in the Medium FERRMED network.

- The **Full FERRMED Scenario** is defined as the scenario which involves
 - all the basic infrastructural investments as described and implemented in the reference scenario,
 - infrastructural and operational measures in order to implement “FERRMED standards” on a high level,
 - the implementation and maintenance of infrastructure investments in order to solve bottlenecks (determined by the Supply/Demand and the Technical Analysis) in the FULL FERRMED network.

- The **Full+ FERRMED Scenario** is defined as the scenario which involves
 - all the basic infrastructural investments as described and implemented in the reference scenario,
 - infrastructural and operational measures in order to implement all “FERRMED standards”,
 - the implementation and maintenance of infrastructure investments in order to solve bottlenecks (determined by the Supply/Demand and the Technical Analysis) in the Full+ FERRMED network.

- **2025 Ports Scenario 65%-35%**

Modal share of Southern ports increased from 27% to 35%.

The share Northern ports' share decreased from 73% to 65%.

- **2025 "Objective Achieved": RAIL 35% (>500Km)**

Rail freight share reaches 35% of total inland long distance freight (greater than 500 km) transport.

Summary of Modelling Scenarios Definition (1/3)

Year	Name	Demand	Transport Costs	Supply	FERRMED Standards
2005	1. Base year	2005 Trans-Tools + Calculated	Reference 2005	Existing 2005	-
2020	2. Reference 1st run	Freight: 2020 calculated including inland and Maritime. Passengers: 2020 Trans-Tools	Reference 2020	Planned 2020	-
2020	3. Reference 2nd run Bottlenecks solution			Planned 2020 + Infrastructural Solutions	-
2020	4. MEDIUM FERRMED 1st run		Reference 2020 + MEDIUM	Planned 2020 +MEDIUM	MEDIUM
2020	5. MEDIUM FERRMED 2nd run Bottlenecks solution			Planned 2020 +MEDIUM+ Infrastructural Solutions	MEDIUM

Summary of Modelling Scenarios Definition (2/3)

Year	Name	Demand	Transport Costs	Supply	FERRMED Standards
2025	6. Reference 1st run	Freight: 2025 calculated including inland and Maritime. Passengers: 2025 Trans-Tools	Reference 2025	Planned 2025	-
2025	7. Reference 2nd run Bottlenecks solution			Planned 2025 + Infrastructural Solutions	-
2025	8. MEDIUM FERRMED 1st run		Reference 2025 + MEDIUM	Planned 2025 + MEDIUM	MEDIUM
2025	9. MEDIUM FERRMED 2nd run Bottlenecks solution			Planned 2025 + MEDIUM + Infrastructural Solutions	MEDIUM
2025	10. FULL FERRMED 1st run		Reference 2025 + FULL	Planned 2025 + FULL	FULL
2025	11. FULL FERRMED 2nd run - Bottlenecks solution			Planned 2025 + FULL + Infrastructural Solutions	FULL

Summary of Modelling Scenarios Definition (3/3)

Year	Name	Demand	Transport Costs	Supply	FERRMED Standards
2025	12. Southern ports enhancement 27% to 35%	Sea share North-South forced	Reference 2025 + FULL	Planned 2025 + FULL	FULL
2025	13. FERRMED Objective achieved	Long Distance (>500Km) Rail share forced 35%	Reference 2025 + FULL	Planned 2025 + FULL	FULL
2025	14. FERRMED FULL+	2025 Forecasts	Reference 2025 + FULL	Planned 2025 & FULL+	FULL+