



European
Commission

Trans-European Networks for Transport (TEN-T) and the Connecting Europe Facility (CEF)

*- New Opportunities for Innovation
& Logistics.*

Logistics Business Forum

*Luxemburg, Chamber of Commerce
17 April 2012*

European Commission,
Directorate General for Mobility and Transport (DG MOVE)
Unit B1 – Trans-European Network (TEN)

Presented by: Helmut Morsi, Deputy Head of Unit



Overview

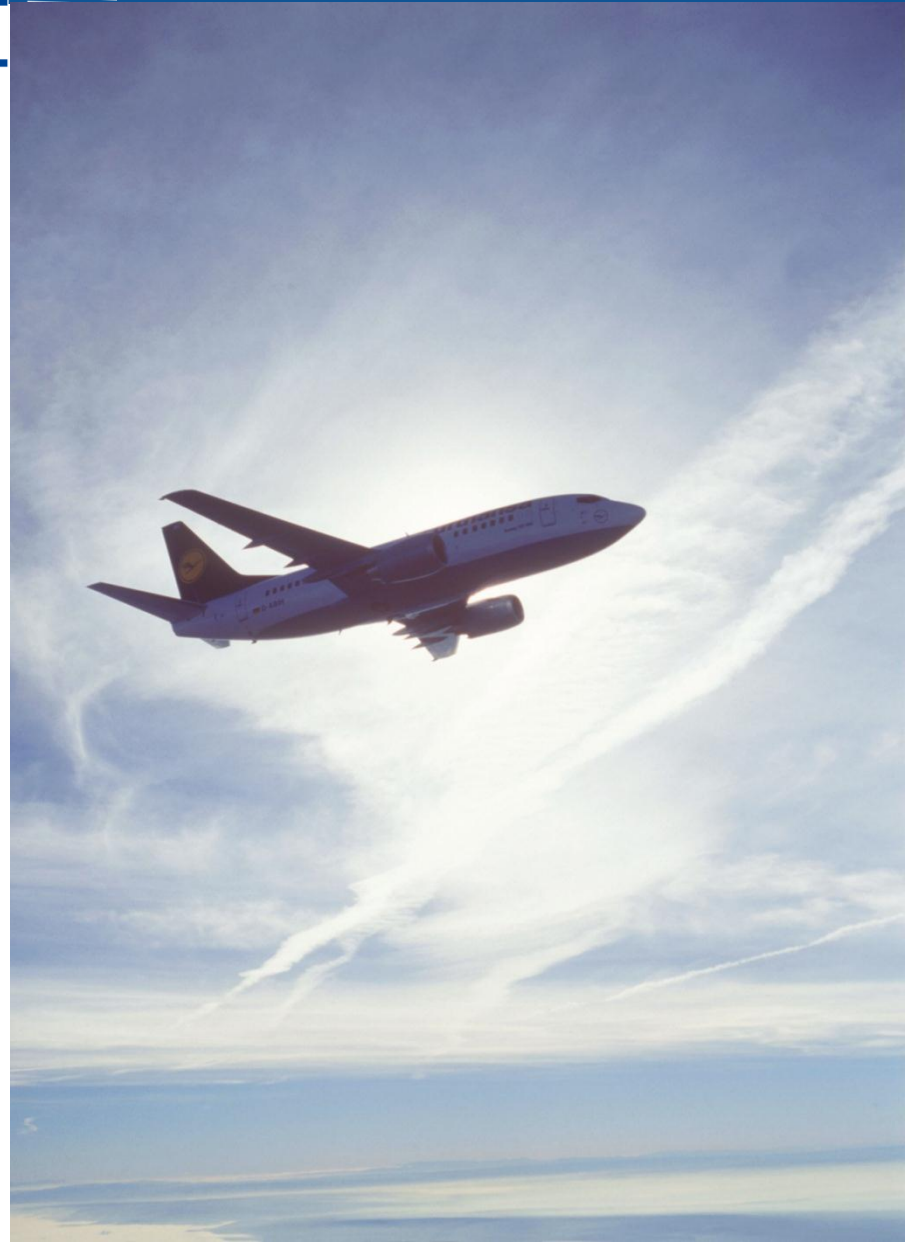
- Introducing the Concept of the New TEN-T Guidelines & CEF
- The new Guideline Maps: Luxemburg, EU27 & Beyond
- The Multi-modal Corridors
- Innovation & New Technologies
- Logistics - Freight Services
- The Connection Europe Facility
- Immediate Actions – *Europe can't wait*

● Legislative reference of presentation

- TEN-T Guidelines:
General approach reached in Council meeting on 22/03/2012
- Connecting Europe Facility (CEF):
EC proposal incl. corrigendum of 13/03/2012

Note: Original EC proposals published on 19/10/2011

- **Transport**
 - lifeblood of the economy
 - essential for citizens
- Transport is fundamental to a strong economy
- Freight transport in Europe is expected to grow by 80% by 2050
- Passenger transport to grow by more than 50%
- CO2 emissions endeavored to fall by 60 %
- Key: A vitally new infrastructure policy



● Today's situation – inadequate!

- Bottlenecks, missing links and inefficient capacity management as an obstacle to smooth traffic flows
- Remaining imbalances in infrastructure endowment and, consequently, in access to markets and prosperity
- Inadequate infrastructure connections with neighbouring and other third countries
- Lack of innovation, especially with a view to low carbon technologies

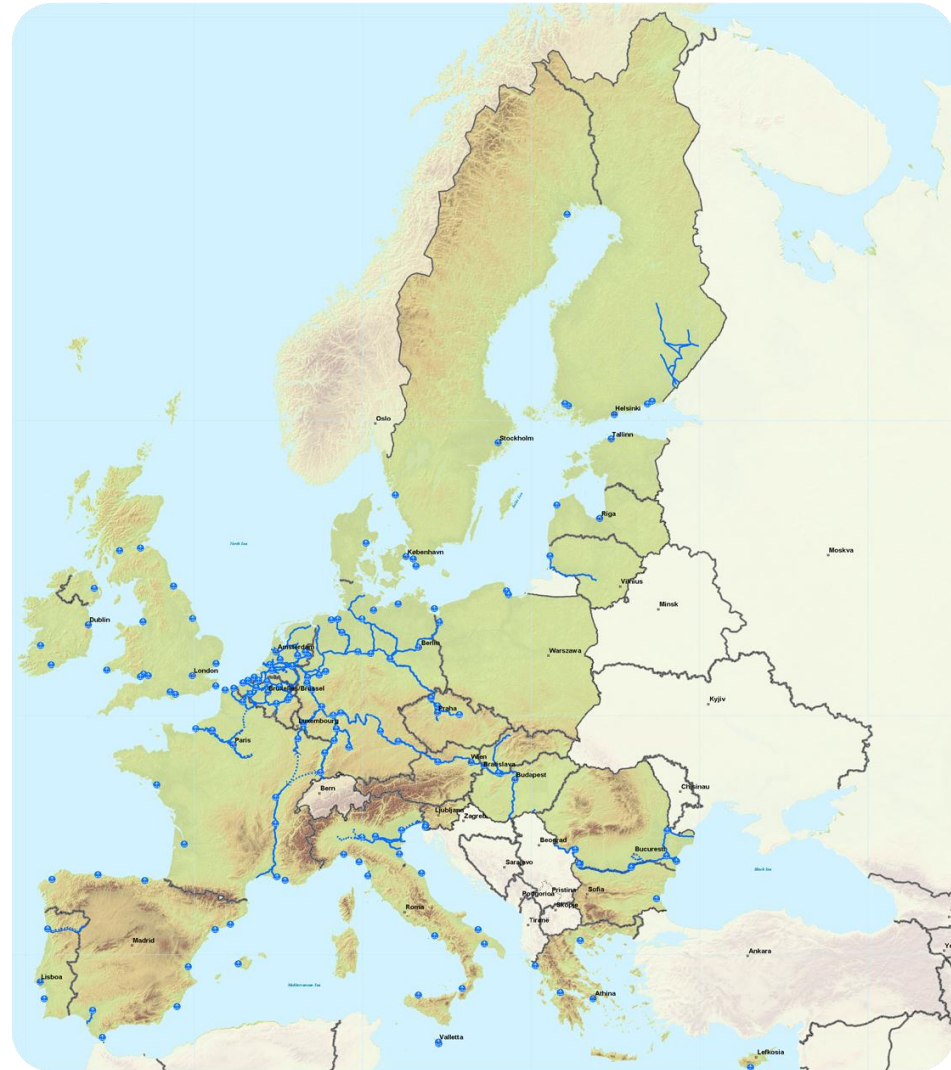
● We need to do better: the underlying principles

- **TEN-T legal base: 2 principal legislative texts**
 - **Guidelines (about 20 yrs) & Financial Cycles (7 yrs each)**
- The existing patchwork of priority projects will be replaced by a single European core network
- The comprehensive network as “ground layer” to ensure accessibility and common standards in all regions
- The core network: “core” is just a special label of a comprehensive network section, which emphasises the elevated importance of a section for trans-European traffic flows (-> methodology)
- Corridors will effectively boost core network implementation

- Helping business and people move freely and smoothly....
 - The core network will link up 85 important economic centres and their airports, 138 sea and inland ports and 28 cross-border points with third countries
 - Rail, road and inland waterway connections between these nodes will carry traffic flows of highest strategic importance
 - High infrastructure standards, including ITS and innovative equipment, make the core network the pioneer for Europe's transport infrastructure development

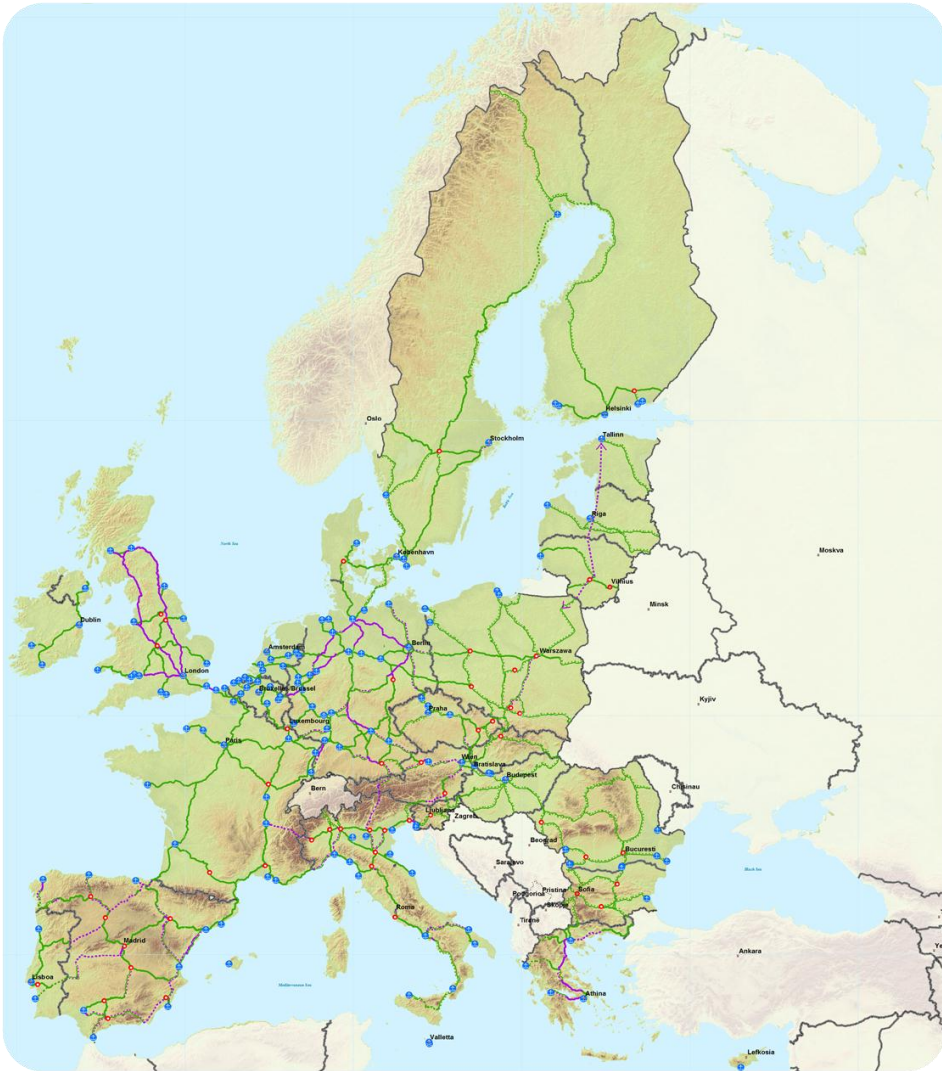
TRANS EUROPEAN TRANSPORT NETWORK

Core Network:
Inland waterways and ports



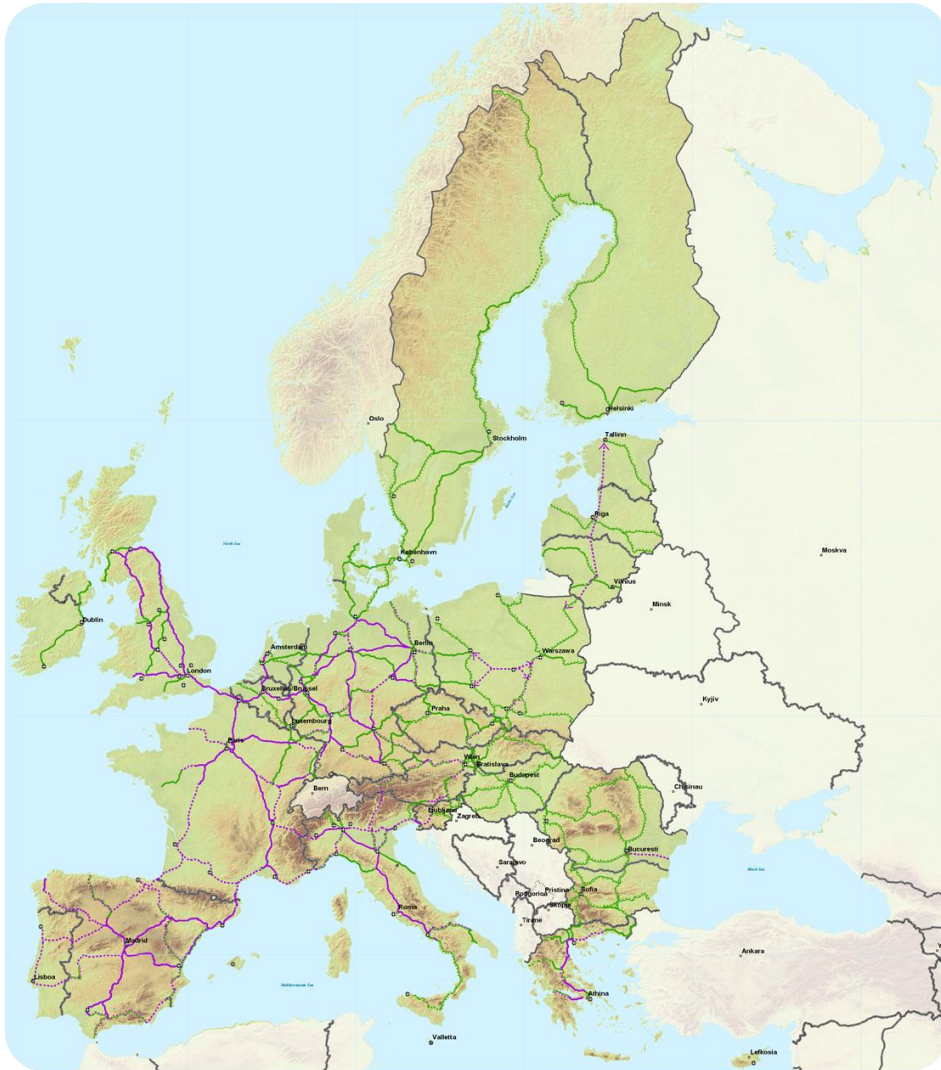
TRANS EUROPEAN TRANSPORT NETWORK

Core Network:
Railways (freight), ports
and rail-road terminals (RRT)



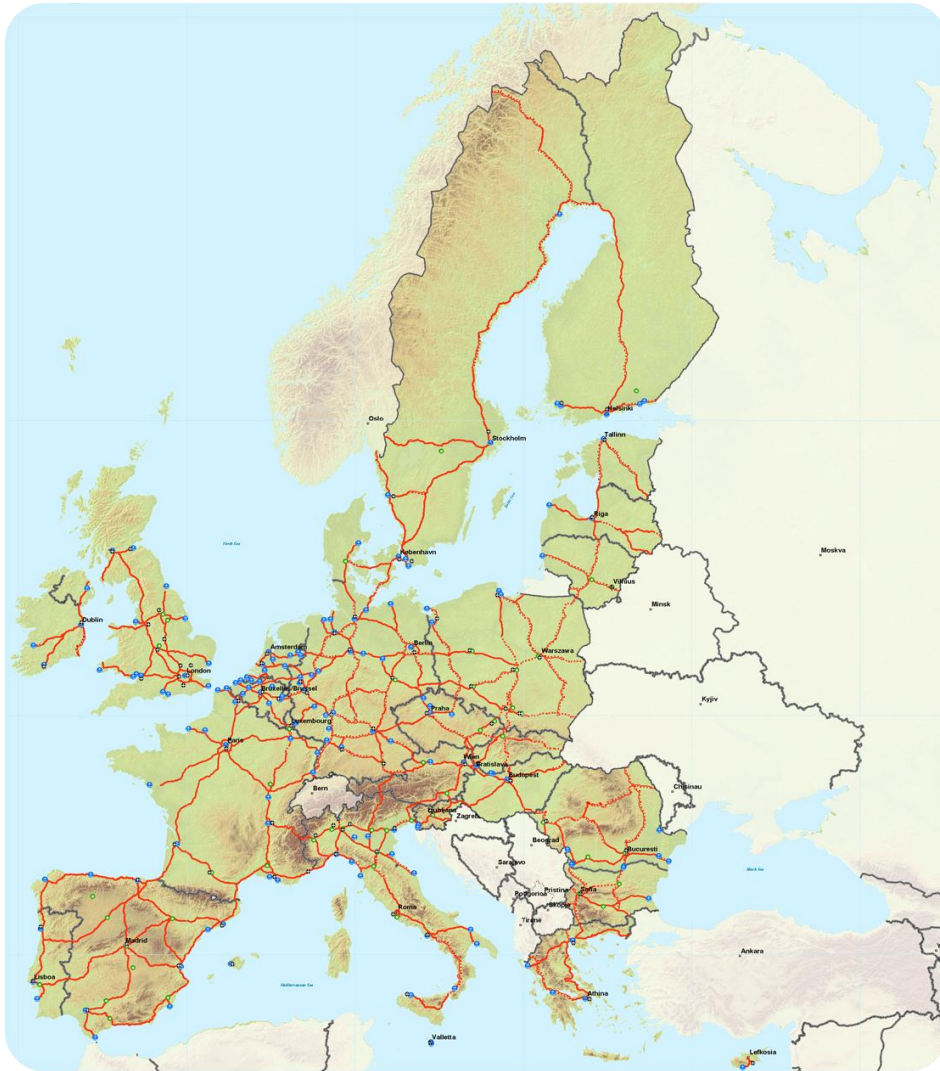
TRANS EUROPEAN TRANSPORT NETWORK

Core Network:
Railways (passengers)
and airports



TRANS EUROPEAN TRANSPORT NETWORK

Core Network:
Roads, ports, rail-road
terminals (RRT) and airports

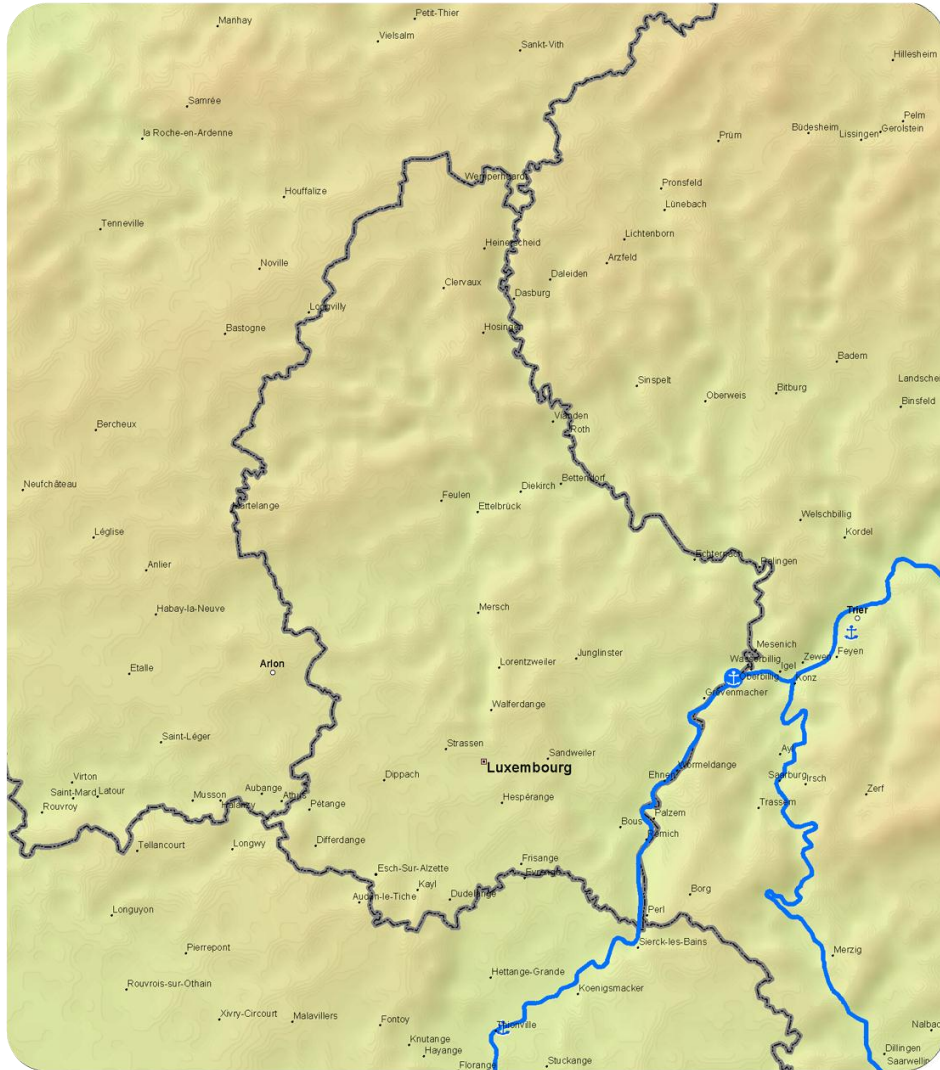




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Comprehensive & Core Networks:
Inland waterways and ports



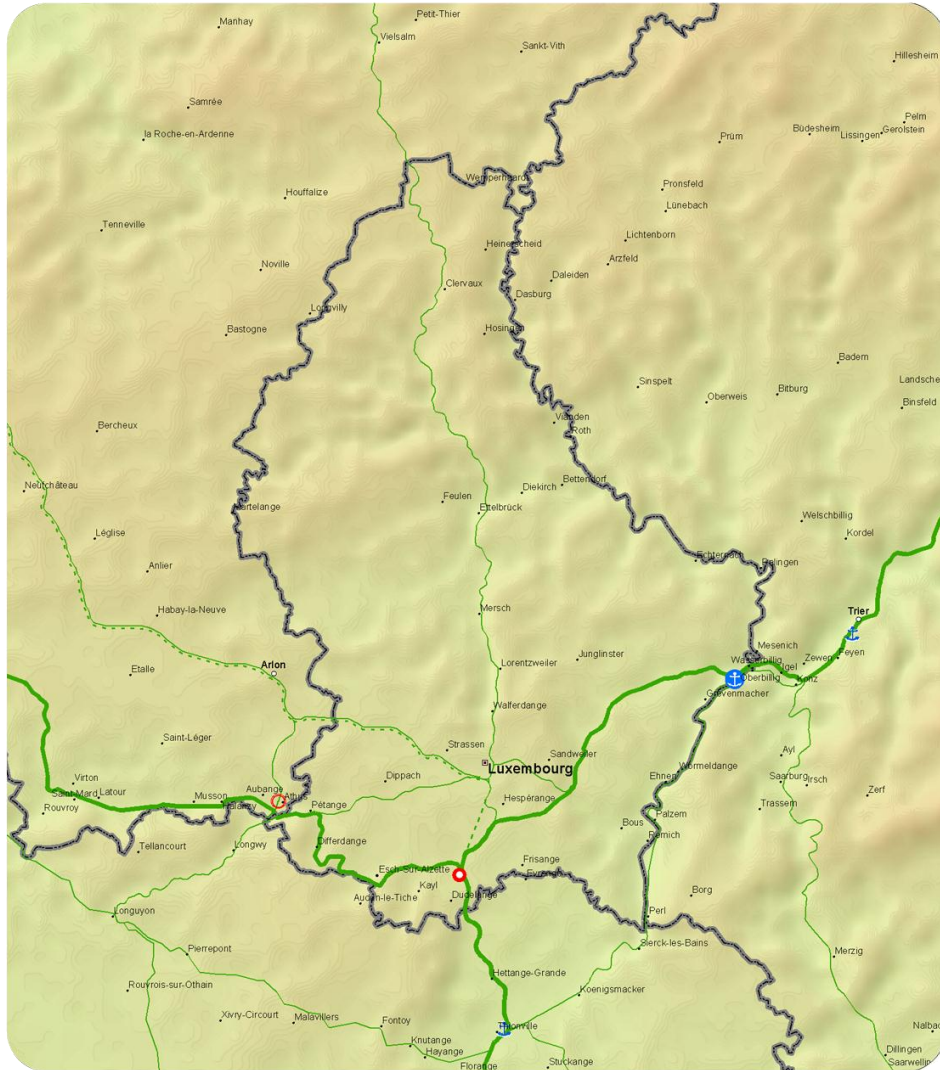


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TRANS EUROPEAN TRANSPORT NETWORK

Comprehensive Network:
Railways, ports
and rail-road terminals (RRT)

Core Network:
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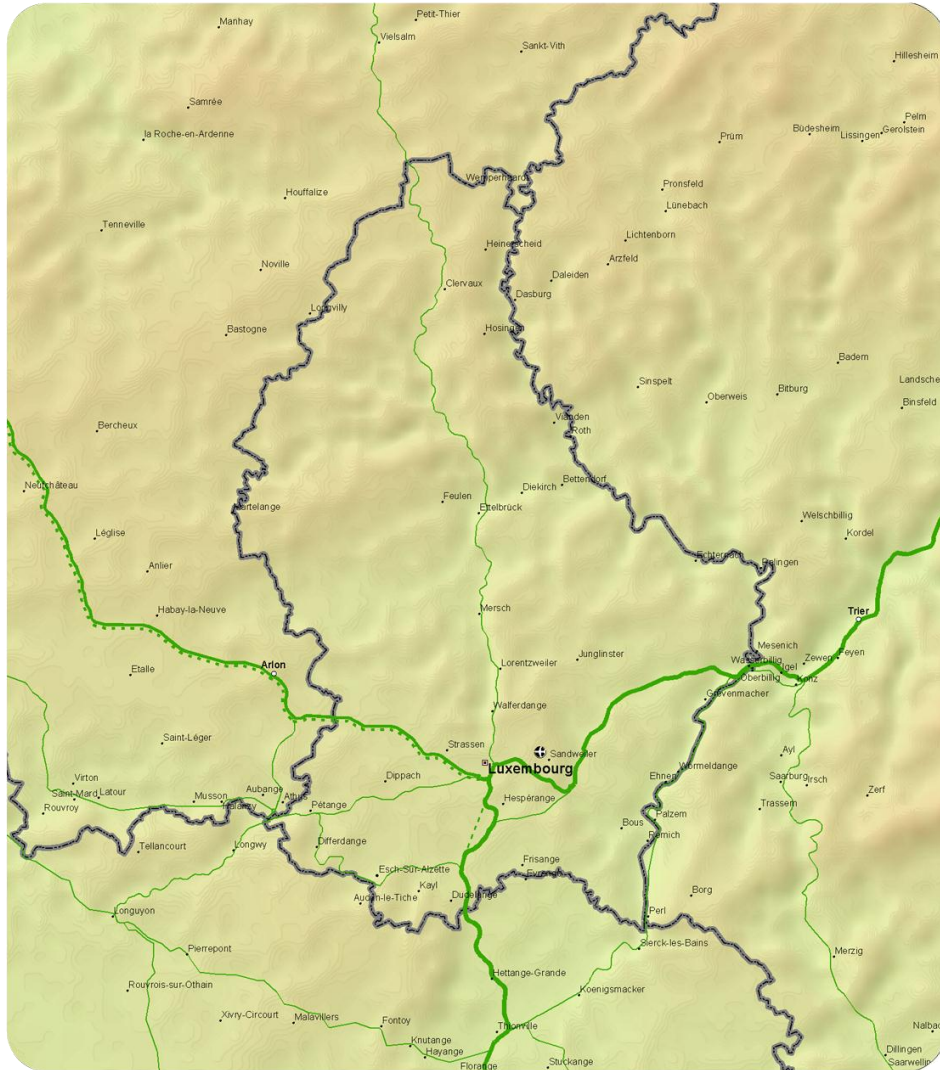




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TRANS EUROPEAN TRANSPORT NETWORK

Comprehensive Network:
Railways and airports
Core Network:
Railways (passengers)
and airports

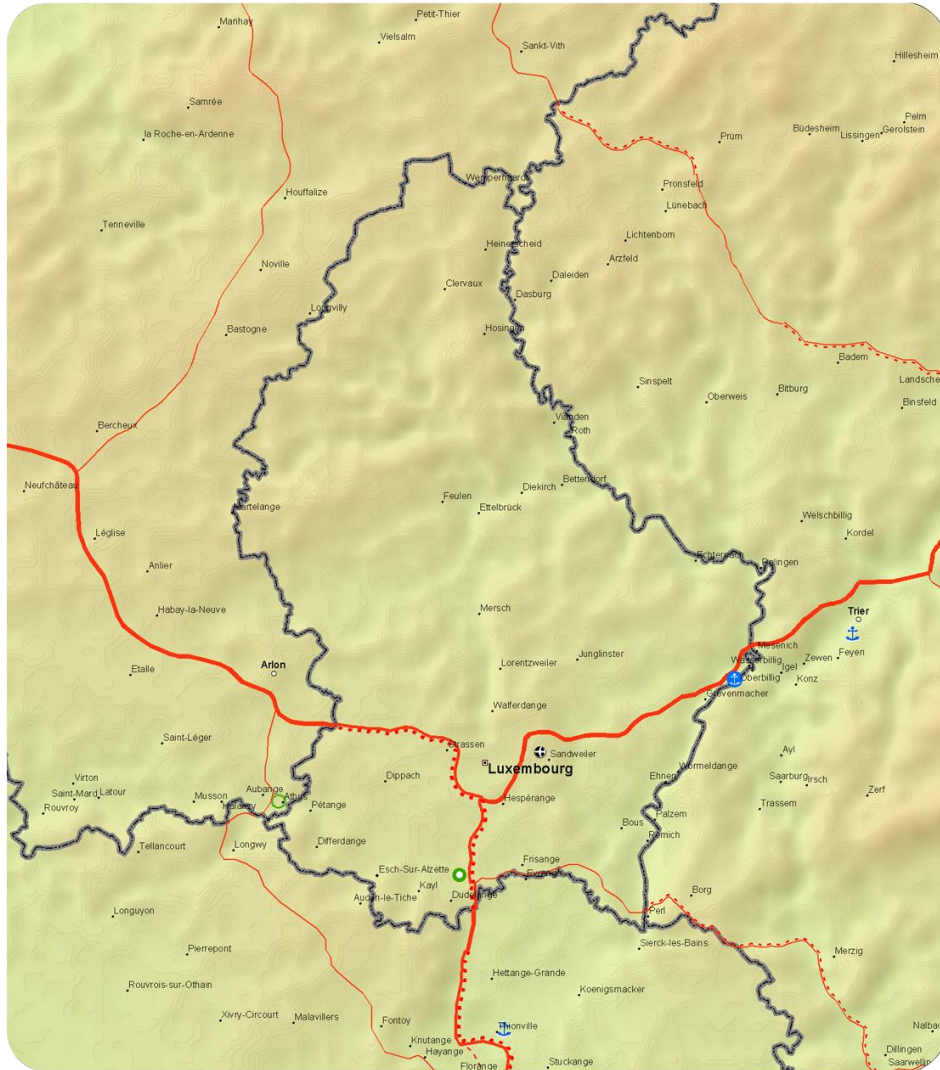




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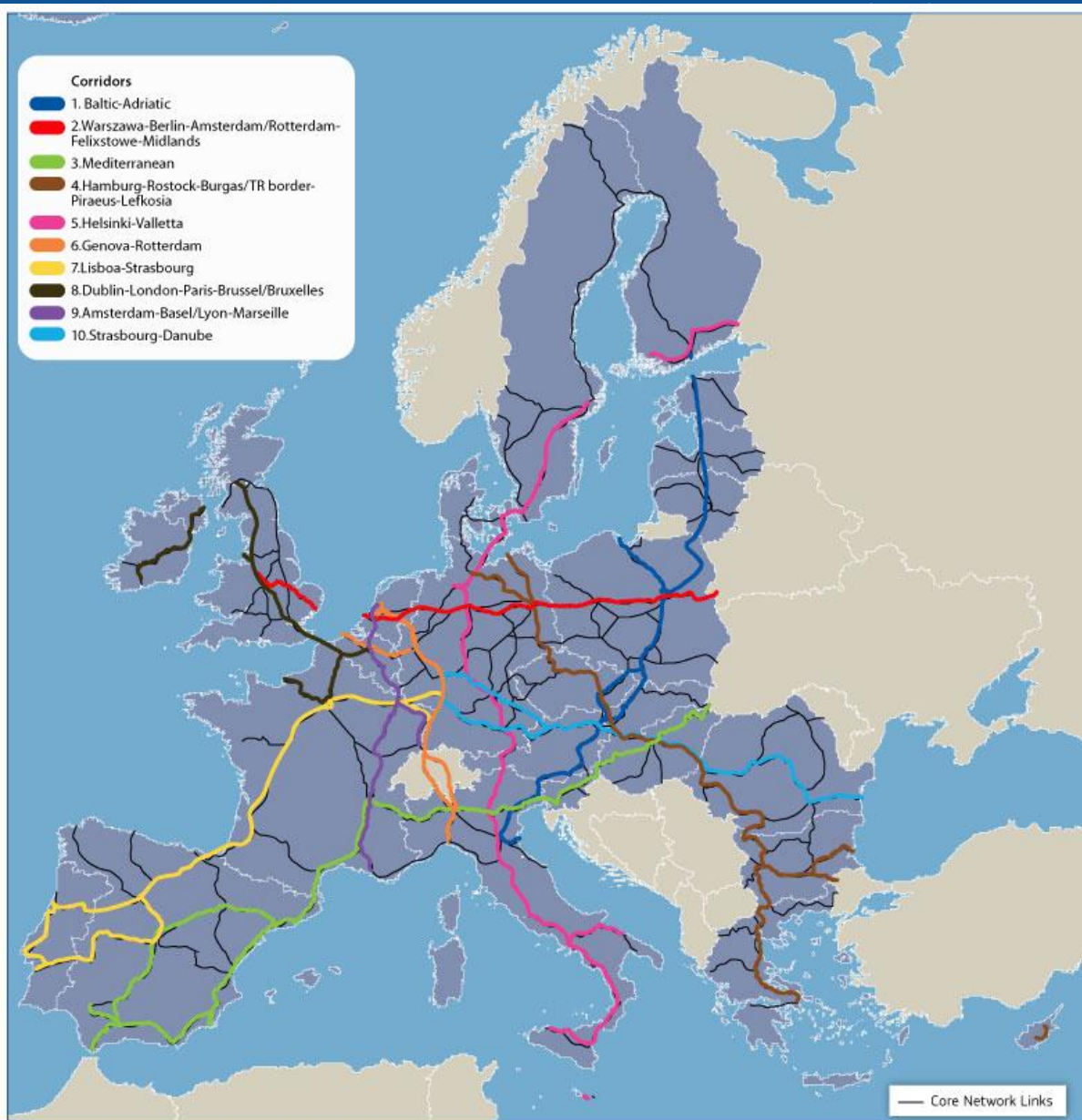
TRANS EUROPEAN TRANSPORT NETWORK

Comprehensive & Core Network:
Roads, ports, rail-road terminals and airports



● The Corridors

- Definition: Cover most important long-distance traffic flows
- Location: on core network trajectories
- Role: Instrument for coordinated implementation of core network (investments!)
- Focus:
 - » Modal integration
 - » Interoperability
 - » Cross border sections
- Lead: *high-level* Coordinators
- Deployment of interoperable traffic management systems
- List of 10 Corridors in Annex of CEF



The 10 Corridors of the
Trans-European Network
for Transport
*Superimposed on the
Core Network for Rail
Freight*

● Innovation & new technologies

● Art. 39 New technologies and innovation

The comprehensive network shall keep up with state-of-the-art technological developments and deployments. They shall in particular aim to:

- a) enable the decarbonisation of transport through transition to innovative transport technologies;
- b) enable the decarbonisation of all transport modes by stimulating energy efficiency as well as the introduction of alternative propulsion systems and the provision of corresponding infrastructure. ...include grids and other facilities necessary for the energy supply, infrastructure–vehicle interface...and telematics applications;
- c) & d)

● Innovation & new technologies (Art 39 continued)

- e) ... reduce external costs, such as pollution of any kind, including noise, congestion and health damage;
- f) ...
- g) improve resilience to climate change;
- h) further advance the development and deployment of telematics applications within and between modes of transport.

● Logistics

● Art. 38 Sustainable Freight Transport Services

...to provide efficient freight transport services...which aim to:

- a) ...
- b) Promote the deployment of innovative transport services, incl. telematics applications and the establishment of relevant governance structures;
- c) Facilitate multi-modal transport service operations and improve cooperation between transport service providers;
- d) Stimulate resource and carbon efficiency, notably in the fields of vehicle traction, driving/steaming systems and operations planning;
- e) ...

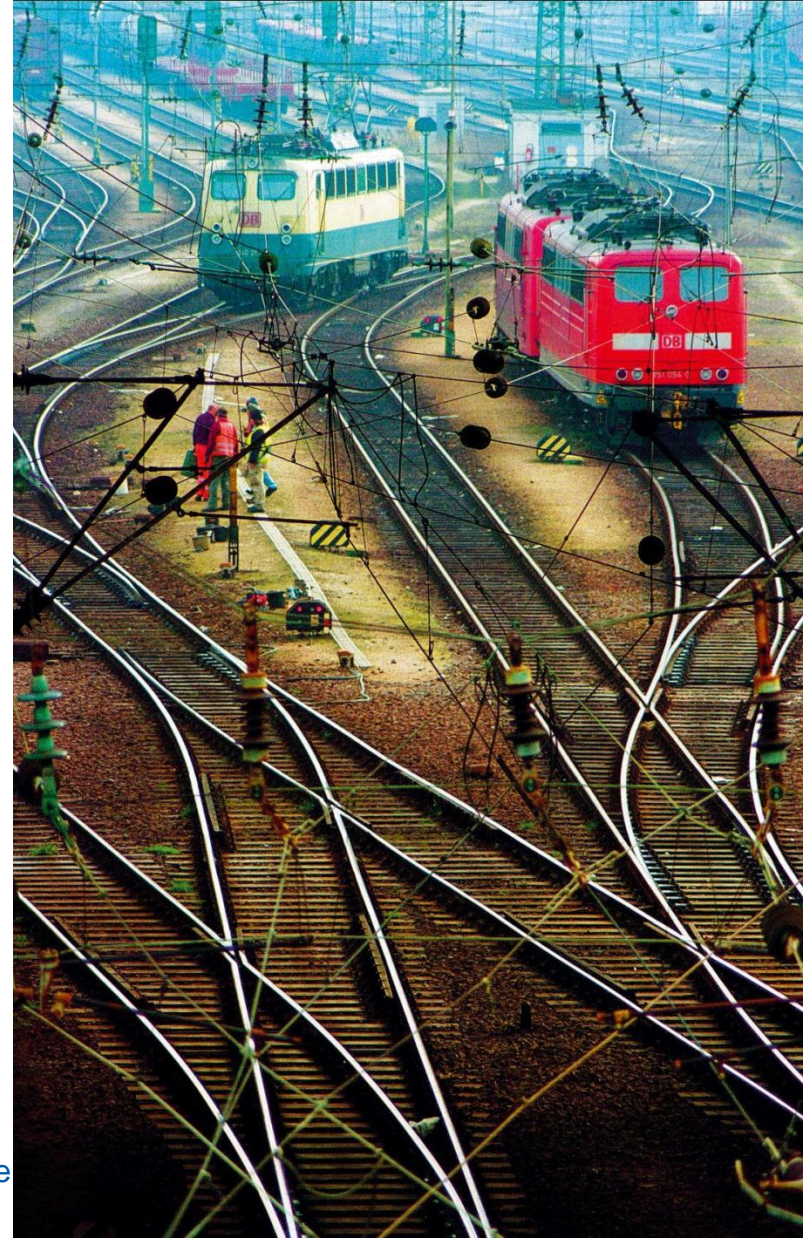
● Connecting Europe Facility *-- Analysis of the financial requirements*

- About 1.5 trillion Euros for the completion of the comprehensive network until 2050
- Of which 500 billion Euros alone for the completion of the core network until 2030
- 250 billion Euros of this are needed until 2020
- Member States and other public and private entities as project promoters and main investors
- EC to contribute 31,7 billion Euros grant money: Connecting Europe Facility (CEF)



● Connecting Europe Facility -- Overview

- Scope: EU27
- Coverage: transport, energy & telecom infrastructure networks
- Time: Financial Cycle 2014 - 2020
- Budget for transport: € 31.7 billion (€ 50 billion for total CEF)
- Project Bonds
- Risk-sharing Instruments – Guarantees
- Grants



● Connecting Europe Facility -- *Grants*

- Grants: Funding Rates (Art.10)
 - » Studies for all modes : up to 50%
 - » Works for rail & IWW : up to 20 to 40%
 - » Inland transport connections to ports & airports and development of ports & MMPs : up to 20%
 - » Traffic management systems & services
 - Rail - ERTMS : up to 50%
 - Road Core Network – traffic manag. sys., freight service & secure parkings : up to 20%
 - Motorways of the Seas – development : up to 20%

● Immediate Action – *Europe can't wait*

- Under current (old) legislation
 - » TEN-T Guidelines of 1993, plus amendments (last in 2008)
 - » TEN-T Regulation (Financial cycle 2007-2013)
- Limited funding for pilot schemes
- Scope: innovation in technology and financial instruments, development of corridors, support of PPPs
- First time in annual call 2010
- Current annual call 2011 just closed on 13 April 2012 (€ 200 million)
- Further 2 calls
 - » Multi-annual in summer 2012 (indicative budget: € 500 million)
 - » Annual call end 2012 (remaining budget of financial cycle 2007-2013)
- **Attention:** Agreement of transport ministries concerned is essential for proposal to EC (see guide for applicants and forms)

● Preparation of a successful proposal

-- *Advice to applicants*

- Participate in TEN-T Info Day
- Read relevant parts of call and workprogramme carefully!
- Take advantage of the helpdesk to clarify issues, in particular in case of innovative projects
- Start preparations asap, in particular in case you need building permits
- Contact the experts in DG MOVE and/or its TEN-T Executive Agency in case of questions
- Contact the transport ministries of the involved countries asap, in particular try to reach the expert(s) for TEN-T

Proposals on innovation are normally more difficult to write and to get supported than standard ones. – *However, Europe absolutely needs innovation for a sustainable future of transport.*



TEN-T CORE NETWORK INCLUDING CORE NETWORK CORRIDORS



**THANK YOU FOR YOUR
ATTENTION!**

Helmut Morsi
DG MOVE
Deputy Head of Unit B1 “TEN-T”
& Head of Sector B1.001 “TENtec & Innovation”