

FERRMED is a non-profit multisectoral Association that was founded by the private sector in Brussels on the 5th of August 2004 in order to improve rail freight transportation and industrial competitiveness in Europe and neighbouring countries.

FERRMED is promoting the implementation of common technical railway standards, the so-called "FERRMED Standards", the improvement of the connections of Ports and Airports with their respective hinterlands, the Full FERRMED Corridors achievement (for freight, considering only the most important part of the EU Railway Core Network) and the conception of a Great Rail Freight Axis Scandinavia-Rhine-Rhone-Western Mediterranean.

Another key FERRMED objective is the optimization of the full logistics chain considering appropriate intermodality, reducing costs, increasing quality, assuring traceability and reliability, accomplishing lead times and timetables and improving management procedures in the transportation systems.

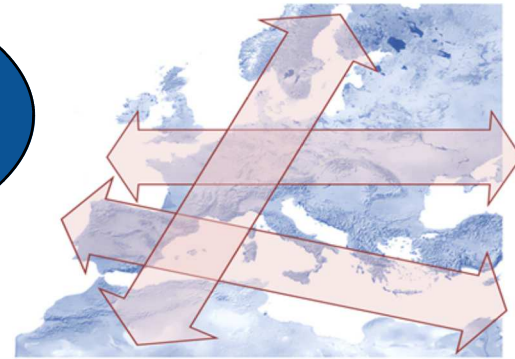
FERRMED STANDARDS

- Unified coordination at EU level of the economic funds allocation for Railway Core Network development and common standards implementation.
- Reticular and polycentric Core Network with great socio-economic and intermodal impact, with two parallel rail lines (double track each) in each corridor. One for high speed trains (basically for passengers) and another for conventional trains (for freight and passengers at same priority rate).
- Electrified lines (preferably 25,000 volts).
- Width of the track UIC (1,435 mm).
- Loading Gauge UIC – C.
- Axle load: 22.5 + 25 tonnes.
- Possibility to have freight length trains reaching 1,500 meters and 3,600 to 5,000 tonnes. Usable length of sidings and terminals for 1,500 meters length trains.
- Maximum slope: 12 ‰ (exceptionally 15 ‰ in short distances of no more than some hundred meters).
- Huge cities by-passes for freight.
- Availability of a network of intermodal polyvalent and flexible terminals with high level of performance.
- ERTMS System (at least level 2) with both ways control in each track.
- Traffic schedules available for freight transportation 24 hours a day, and 7 days a week.
- Free competition, giving all companies open access to tracks in a non-discriminatory way.
- Harmonization and simplification of the homologation processes, administrative formalities and social legislation.
- Unified management, monitoring and tracking (through ITS) systems by Mega-Regions and main corridors coordinated at EU level, including pre-arranged train paths and reserve capacity.
- Competitive management criteria based on R+D+4i principles (Research, Development, innovation, identity, impact and infrastructure) in the global chain of added value, including freight flows balancing.
- Favourable and homogeneous fees for the use of infrastructures.
- Reduction of the environmental impact of the freight transportation system (particularly noise, vibration and CO2 emissions) as a result of the gradual retrofitting/replacement of the old railway rolling stock, infrastructural solutions when needed and an increase of the long distance rail share on land traffic of up to 35%.
- Freight locomotive and wagon concepts adapted to FERRMED Technical Standards

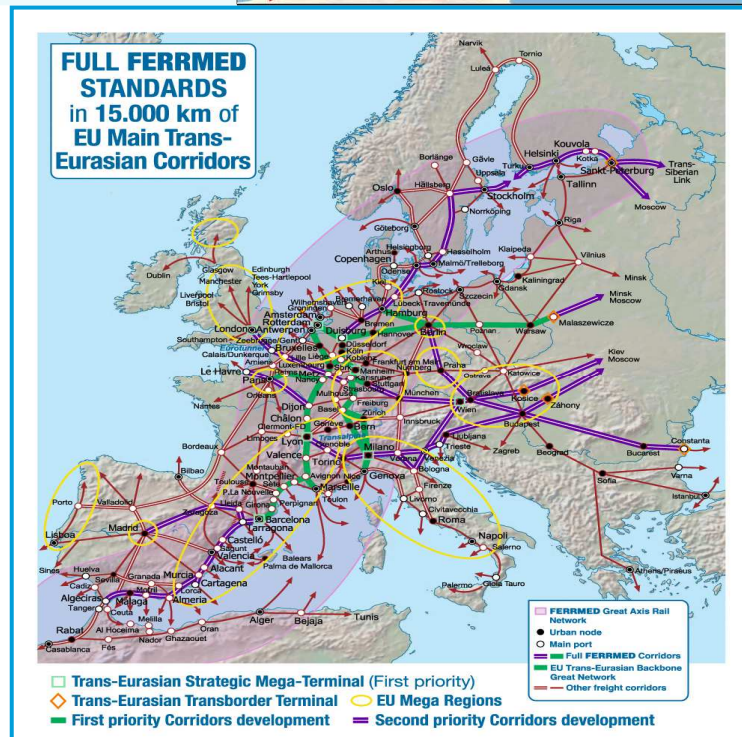
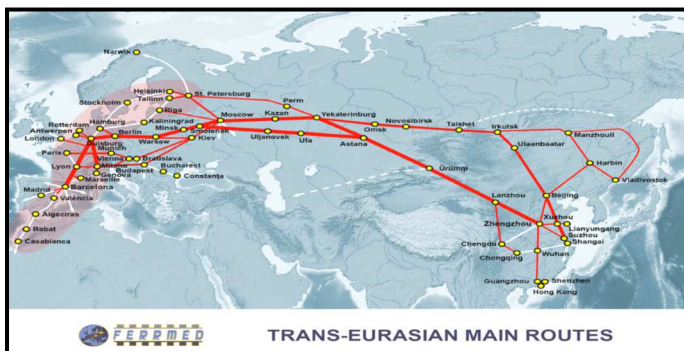
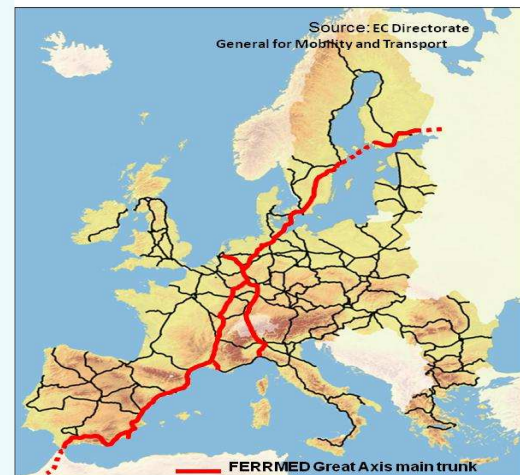
LINKING SOCIO-ECONOMIC MEGA-REGIONS AND HARBOURS. PROMOTING A COMPETITIVE AND SUSTAINABLE RAIL FREIGHT NETWORK!

Main expected results

- Significant increase in Railway land transportation share
- Multimodal flows optimization
- Drastic lead time reduction (over 50%) and punctuality improvement
- Transportation cost reduction: over 25%
- Freight trains able to carry 224 TEUS
- Lines capacity increase: over 50%
- Continuous full "on line" information
- Payload increment ~ 2 Tn/wagon
- Substantial reduction of noise and vibration
- Strong decrease in Greenhouse Gas (GHG) emissions
- Socio-economic Internal Rate of Return of 11%



The three global growth vectors



Around **150** members

- INTERNATIONAL
- MULTISECTORAL

- Shippers and forwarders
- Port Authorities
- Chambers of Commerce
- Logistics operators
- Freight transport industries
- Development industries....

AB SKF
 ABERTIS Infrastructures
 ADEG (Associació d'Empresaris de l'Alt Penedès, el Baix Penedès i el Garraf)
 AEQT (Associació Empresarial Química de Tarragona)
 AEMT-AIE (Agrupació d'Interès Econòmic Empreses Municipals de Tarragona)
 Aeroports de Catalunya
 Ajuntament de Lleida
 ALFIL Logistics
 AMEC (Associació Multisectorial d'Empreses)
 ANESCO (Asociación Nacional de Empresas Estibadoras y Consignatarias de Buques)
 ARDANUY Ingeniería
 ASCAME
 ASCER (Asociación Española de Fabricantes Azulejos y Pavimentos Cerámicos)
 Association Internationale pour le Tunnel de SALAU
 Asociación Murciana de Logística
 Autoridad Portuaria de ALICANTE
 Autoridad Portuaria de ALMERÍA
 Autoridad Portuaria de BALEARES
 Autoritat Portuària de BARCELONA
 Autoridad Portuaria de CARTAGENA
 Autoridad Portuaria de CASTELLÓN
 Autoritat Portuària de TARRAGONA
 Autoridad Portuaria de VALENCIA
 AUTOTERMINAL
 BARCELONA REGIONAL
 BCL (Barcelona Centre Logistic)
 BEST (Barcelona Europe South Terminal)
 Hutchinson
 BOMBARDIER
 CAEB (Confederació d'Associacions Empresariales de Balears)
 Cámara Oficial de Comercio, Industria y Navegación de ALMERÍA
 Cambra Oficial de Comerç, Indústria i Navegació de BARCELONA
 Cámara Oficial de Comercio, Industria y Navegación de CARTAGENA
 Cámara Oficial de Comercio, Industria y Navegación de CASTELLÓN
 Cambra de Comerç, Indústria i Navegació de GIRONA
 Cambra de Comerç i Indústria de LLEIDA
 Cámara Oficial de Comercio, Industria y Navegación de MOTRIL
 Cámara Oficial de Comercio, Industria y Navegación de MURCIA
 Cambra Oficial de Comerç, Indústria i Navegació de TARRAGONA
 Cámara Oficial de Comercio, Industria y Navegación de VALENCIA
 Camera di Commercio, Industria, Artigianato e Agricoltura di GENOVA
 CICCIP-Murcia (Colegio de Ingenieros de

Caminos, Canales y Puertos de Murcia)
 CCTT (Coordinating Council on Transsiberian Transportation)
 CELSA (Compañía Española de Laminación)
 Centre Européen de Fruits et Légumes
 CEFF (Centro Europeo de Formación Ferroviaria)
 CEPTA (Confederació Empresarial de la Provincia de TARRAGONA)
 Cercle d'Infrastructures
 CERL (Conception Etude Réalisation Logistique)
 CEV (Confederación Empresarial Valenciana)
 CFL (Société Nationale des Chemins de Fer Luxembourgeois)
 Chambre Régionale de Commerce et d'Industrie de BOURGOGNE
 Chambre Régionale de Commerce et d'Industrie de LORRAINE
 Chambre de Commerce du Grand-Duché de LUXEMBOURG
 Chambre Régionale de Commerce et d'Industrie de RHÔNE-ALPES
 CIMALSA (Centres Logistics de Catalunya)
 CLECAT (European Association for forwarding, transport, logistic and customs services)
 COAC (Col·legi Oficial d'Arquitectes de Catalunya)
 COE (Cercle pour l'Optimodalité en Europe)
 Colegio de Ingenieros Industriales de Andalucía Oriental
 COEIC (Col·legi Oficial d'Enginyers Industrials de Catalunya)
 COIICV (Colegio oficial de Ingenieros Industriales de la Comunitat Valenciana)
 Col·legi d'Enginyers de Camins, Canals i Ports de CATALUNYA
 Colegio de Ingenieros de Caminos, Canales y Puertos de la Comunitat Valenciana
 Colegio de Ingenieros Industriales de la Región de Murcia
 COMITATO PROMOTORE TRANSPADANA (Sistema di Corridoio Europei)
 Compagnia Portuale PIETRO CHIESA
 Communauté de Communes de Clermontais
 Consorci de la Zona Franca de BARCELONA
 COPCISA
 CPTMF (Centro de Promoción del Transporte de Mercancías por Ferrocarril)
 CROEM (Confederación Regional de Organizaciones Empresariales de Murcia)
 DB SCHENKER RAIL WEST (EWS-English Welsh & Scottish Railway)
 Energie TGV
 EIA (European Intermodal Association)
 ERFA (European Rail Freight Customer Platform)
 ERS Railway BV
 EUROMEDITERRANEAN BUSINESS ASSOCIATION (Business Eumed)
 Europakorridoren AB
 FAIVELEY Transport
 FemCat (Fundació Privada d'Empresaris)
 FGC (Ferrocarrils de la Generalitat de Catalunya)
 FOC (Fundació Occitano Catalana)
 Foment del Treball Nacional
 FORD

FUNDACIÓN ICIL (Institut Català de Logística)
 Fundación INNDEA—Las Naves
 Fundación PROAVE
 GLOBALLEIDA
 Grand Port Maritime de MARSEILLE
 Grupo Alonso
 IBS (Interessengemeinschaft der Bahnspediteure) e. V.
 ICAB (Il·lustre Col·legi de l'Advocacia de Barcelona)
 ICL Iberia Limited SCS
 INCASOL
 Institut d'Economia i Empresa IGNASI VILLALONGA
 Intermodal Green Ibérica
 ISL (Institute of Shipping Economics and Logistics)
 La Transalpine (Comité pour la liaison européenne transalpine Lyon-Turin)
 LFP Perthus (Línea Figueras Perpignan)
 Logitren Ferroviaria, S.A.
 LOHR Industrie
 Meeting y Salones
 MERCABARNA (Mercados de Abastecimientos de Barcelona)
 MP2 (Syndicat Mixte Plate-forme Pyrénées Méditerranée)
 NOVATRANS
 PIMEC (Petita i Mitjana Empresa de Catalunya)
 Port of ANTWERP
 Port de BRUXELLES
 Port Autonome de LIEGE
 Port of ROTTERDAM
 Port Rail Almanzora Levante, S.L.
 Ports de la Generalitat
 PROMÁLAGA (Empresa Municipal de Iniciativas y Actividades Empresariales de Málaga)
 PUNTO FA (MANGO)
 RAIL FREIGHT GROUP
 RAILGRUP
 R+D+4i Euro-Action Group
 SEAT
 SETRAM (Servicios de Transportes de Automóviles y Mercancías)
 SITEP
 Soluciones Logísticas Integrales, S.A.
 Stadler Rail Valencia, S.A.U.
 Tomás Expediciones, S.A.
 T.R.W.
 TCB (Terminal de Contenedores de Barcelona)
 The Bothnian Corridor
 TRADISA Operador Logístico
 TRANSFESA (Transportes Ferroviarios Especiales)
 TRIMODAL Europe B.V.
 UPC (Universitat Politècnica de Catalunya)
 UIRR (International Union for Road-Rail Combined Transport)
 UNIFE (Union des Industries Ferroviaires Européennes)
 WOTRANT