

2016 Connecting Europe Facility (CEF) Transport Calls for Proposals

COUNTRY FACTSHEET



Spain



Key facts and figures

Evaluation results	Eligible vs Recommended proposals by call																																																																						
<ul style="list-style-type: none"> 17 proposals were selected for funding with a total of €77.3 million recommended CEF funding. 46 eligible proposals were submitted in response to the call for proposals requesting €198.9 million of CEF funding. 	<table border="1"> <caption>Eligible vs Recommended proposals by call</caption> <thead> <tr> <th>Call</th> <th>Eligible (Millions)</th> <th>Eligible (Number of proposals)</th> <th>Recommended (Millions)</th> <th>Recommended (Number of proposals)</th> </tr> </thead> <tbody> <tr> <td>Cohesion</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>General</td> <td>198.9</td> <td>46</td> <td>77.3</td> <td>17</td> </tr> </tbody> </table>	Call	Eligible (Millions)	Eligible (Number of proposals)	Recommended (Millions)	Recommended (Number of proposals)	Cohesion	0	0	0	0	General	198.9	46	77.3	17																																																							
Call	Eligible (Millions)	Eligible (Number of proposals)	Recommended (Millions)	Recommended (Number of proposals)																																																																			
Cohesion	0	0	0	0																																																																			
General	198.9	46	77.3	17																																																																			
Recommended funding by national/multinational proposals	Recommended funding by type																																																																						
<table border="1"> <caption>Recommended funding by national/multinational proposals</caption> <thead> <tr> <th>Type</th> <th>Recommended (Millions)</th> <th>Recommended (Number of proposals)</th> </tr> </thead> <tbody> <tr> <td>Multinational</td> <td>49.9</td> <td>9</td> </tr> <tr> <td>National</td> <td>27.4</td> <td>8</td> </tr> </tbody> </table>	Type	Recommended (Millions)	Recommended (Number of proposals)	Multinational	49.9	9	National	27.4	8	<table border="1"> <caption>Recommended funding by type</caption> <thead> <tr> <th>Type</th> <th>Recommended (Millions)</th> <th>Recommended (Number of proposals)</th> </tr> </thead> <tbody> <tr> <td>Works</td> <td>16.0</td> <td>4</td> </tr> <tr> <td>Mixed</td> <td>34.9</td> <td>1</td> </tr> <tr> <td>Studies</td> <td>26.4</td> <td>12</td> </tr> </tbody> </table>	Type	Recommended (Millions)	Recommended (Number of proposals)	Works	16.0	4	Mixed	34.9	1	Studies	26.4	12																																																	
Type	Recommended (Millions)	Recommended (Number of proposals)																																																																					
Multinational	49.9	9																																																																					
National	27.4	8																																																																					
Type	Recommended (Millions)	Recommended (Number of proposals)																																																																					
Works	16.0	4																																																																					
Mixed	34.9	1																																																																					
Studies	26.4	12																																																																					
Recommended funding by priority	Recommended proposals by corridor*																																																																						
<table border="1"> <caption>Recommended funding by priority</caption> <thead> <tr> <th>Priority</th> <th>Recommended (Millions)</th> <th>Recommended (Number of proposals)</th> </tr> </thead> <tbody> <tr> <td>Core Network Corridors</td> <td>1.5</td> <td>2</td> </tr> <tr> <td>Other Core Network Sections</td> <td>1.5</td> <td>2</td> </tr> <tr> <td>Rail interoperability</td> <td>11.3</td> <td>1</td> </tr> <tr> <td>ERTMS</td> <td>11.3</td> <td>1</td> </tr> <tr> <td>Core and Comprehensive</td> <td>3.3</td> <td>2</td> </tr> <tr> <td>Neighbouring countries</td> <td>3.3</td> <td>2</td> </tr> <tr> <td>Innovation</td> <td>10.1</td> <td>4</td> </tr> <tr> <td>Safe and secure infrastructure</td> <td>10.1</td> <td>4</td> </tr> <tr> <td>Freight Transport Services</td> <td>1.5</td> <td>2</td> </tr> <tr> <td>Rail freight noise</td> <td>1.5</td> <td>2</td> </tr> <tr> <td>SESAR</td> <td>34.9</td> <td>1</td> </tr> <tr> <td>ITS</td> <td>13.3</td> <td>4</td> </tr> <tr> <td>MoS</td> <td>3.0</td> <td>3</td> </tr> <tr> <td>Nodes of the Core Network</td> <td>3.0</td> <td>3</td> </tr> <tr> <td>Multimodal</td> <td>1.5</td> <td>2</td> </tr> </tbody> </table>	Priority	Recommended (Millions)	Recommended (Number of proposals)	Core Network Corridors	1.5	2	Other Core Network Sections	1.5	2	Rail interoperability	11.3	1	ERTMS	11.3	1	Core and Comprehensive	3.3	2	Neighbouring countries	3.3	2	Innovation	10.1	4	Safe and secure infrastructure	10.1	4	Freight Transport Services	1.5	2	Rail freight noise	1.5	2	SESAR	34.9	1	ITS	13.3	4	MoS	3.0	3	Nodes of the Core Network	3.0	3	Multimodal	1.5	2	<table border="1"> <caption>Recommended proposals by corridor*</caption> <thead> <tr> <th>Corridor</th> <th>Recommended (Number of proposals)</th> </tr> </thead> <tbody> <tr> <td>Atlantic</td> <td>7</td> </tr> <tr> <td>Baltic - Adriatic</td> <td>1</td> </tr> <tr> <td>Mediterranean</td> <td>10</td> </tr> <tr> <td>North Sea - Baltic</td> <td>1</td> </tr> <tr> <td>North Sea - Mediterranean</td> <td>3</td> </tr> <tr> <td>Orient/East-Med</td> <td>1</td> </tr> <tr> <td>Rhine - Alpine</td> <td>1</td> </tr> <tr> <td>Rhine - Danube</td> <td>3</td> </tr> <tr> <td>Scandinavian - Mediterranean</td> <td>1</td> </tr> <tr> <td>Core Network Corridors</td> <td>1</td> </tr> </tbody> </table>	Corridor	Recommended (Number of proposals)	Atlantic	7	Baltic - Adriatic	1	Mediterranean	10	North Sea - Baltic	1	North Sea - Mediterranean	3	Orient/East-Med	1	Rhine - Alpine	1	Rhine - Danube	3	Scandinavian - Mediterranean	1	Core Network Corridors	1
Priority	Recommended (Millions)	Recommended (Number of proposals)																																																																					
Core Network Corridors	1.5	2																																																																					
Other Core Network Sections	1.5	2																																																																					
Rail interoperability	11.3	1																																																																					
ERTMS	11.3	1																																																																					
Core and Comprehensive	3.3	2																																																																					
Neighbouring countries	3.3	2																																																																					
Innovation	10.1	4																																																																					
Safe and secure infrastructure	10.1	4																																																																					
Freight Transport Services	1.5	2																																																																					
Rail freight noise	1.5	2																																																																					
SESAR	34.9	1																																																																					
ITS	13.3	4																																																																					
MoS	3.0	3																																																																					
Nodes of the Core Network	3.0	3																																																																					
Multimodal	1.5	2																																																																					
Corridor	Recommended (Number of proposals)																																																																						
Atlantic	7																																																																						
Baltic - Adriatic	1																																																																						
Mediterranean	10																																																																						
North Sea - Baltic	1																																																																						
North Sea - Mediterranean	3																																																																						
Orient/East-Med	1																																																																						
Rhine - Alpine	1																																																																						
Rhine - Danube	3																																																																						
Scandinavian - Mediterranean	1																																																																						
Core Network Corridors	1																																																																						

* Proposals may belong to more than one corridor.

List of selected proposals

Call	Proposal Code	Proposal Title	Proposal Description	Recommended CEF Funding**, €
AP-General	2016-ES-TA-0278-S	Study of gauges in Railway Corridors for "Rail Motorways" services	The Action is a detailed study of the current gauge barriers/obstacles identified in the Spanish rail network that prevent the "Rail Motorways" services from development. A revision of the lines will focus on the singular elements such as tunnels, overpasses, platforms, catenary heights and other elements that may interfere with the gauge. It will be carried out on the Atlantic and Mediterranean Corridor. The Action is part of the Global Project which aims to provide specific gauge studies for the development of "Rail Motorways" services. Its subsequent analysis and the plan of action that allows improving and adapting these lines to the new freight services.	750,000
AP-General	2016-EU-TA-0193-S	Atlantic Rail Motorway: Modal shift of all types of semi-trailers on the Atlantic corridor	The Action is part the Atlantic Rail Motorway covering the Atlantic and North Sea-Mediterranean Core Network Corridors. It will remove the major cross border bottleneck between France and Spain related to the railway gauge. The Action will carry out technical studies and analyse the gauge enlargement of 16 tunnels and clearance gauges of bridges from the French-Belgian border to Astigarraga (Spain). It will carry out the design studies for the construction of the first phase for standard track gauge at the Vitória-Júndiz multimodal platform. These studies will enable rail motorway services to be launched on the Atlantic corridor and enlarge the gauge structure to make modal shift possible.	762,500
AP-General	2016-EU-TA-0210-S	Bridging missing links between FR & ES: Studies for rehabilitating the Pau-Zaragoza cross-border railway section	The 310 km Pau-Zaragoza cross-border railway line links France to Spain, crossing the Pyrenees through the Somport tunnel. The Spanish section is operational but not interoperable, the French section needs upgrading to meet the increasing demands for freight and passenger traffic. Along the comprehensive network, the Action aims at reopening the cross border line and connecting it with the Zaragoza and Huesca regional logistics hubs. Studies will prepare the design phase and the public hearings necessary to start works. It is part of a Global Project on offering an alternative to road transport crossing the Pyrenees. The Action will contribute to stimulate the economic activity along the Pyrenees and strengthen the connection of the Iberian Peninsula to the TEN-T network.	1,990,000
AP-General	2016-EU-TA-0348-W	Cross-Border road link in the Atlantic Corridor: A25-IP5 Vilar Formoso-A-62 Fuentes de Oñoro	The Action aims to construct the last mile of a cross-border road link between Portugal (Vilar Formoso) and Spain (Fuentes de Oñoro) located on the Atlantic Corridor. This project has been labelled as priority by the PITVI: the Spanish 2014-2024 Infrastructure, Transport and Housing Plan. Activities include works and environmental assessment phase for 3.5 km of highway, one junction, two overpasses, an underpass and two bridge crossings. Upon completion of the Action, existing bottleneck will be eliminated and a cross border missing link will be bridged.	1,286,432
MAP-General	2016-ES-TM-0027-W	Retrofit of onboard ERTMS in Renfe's vehicles	The deployment of the European Railway Traffic Management System is a horizontal priority aiming at ensuring interoperability of the EU railway system. The Action covers the retrofit of 91 existing vehicles of different types with ERTMS Level 1 and 2, Baseline 3 operated primarily on the Mediterranean Core Network Corridor. It is a part of a Global Project aiming at ensuring interoperability of the applicant's rolling-stock by means of ETCS deployment. The Action is divided into a number of retrofitment activities, also including vehicles' testing, subsystem verification and authorisation. Implementation of the Action will increase interoperability of a part of the Spanish railway fleet.	11,250,000

** The CEF funding under the multinational (EU) proposals has been allocated to respective MS based on the share of each applicant in the proposal and their place of establishment.

Call	Proposal Code	Proposal Title	Proposal Description	Recommended CEF Funding**, €
MAP-General	2016-ES-TM-0058-S	FPSII: Advanced deployment of innovative solutions to improve railway traffic management & operation on the Core Network	The Action will be deployed in the Port of Seville which is part of the Mediterranean Corridor. Its objective is to achieve the advanced development and full implementation of an innovative system (FPS: Ferro Port System) that automates the railway operation and management and is integrally connected with the general rail network. The Action is part of a global project on the management of intermodal traffic in the Port of Seville. It consists of a safety and risks analysis study, the definition and development of technological applications for rail operations, real life trials, test and validation and a study for large-scale implementation. The Action will improve the railway traffic exploitation and management on the Core Network.	1,175,584
MAP-General	2016-ES-TM-0063-S	Removal of bottlenecks in Cartagena's port & improvement of urban traffic (studies)	Cartagena Port, located on the Mediterranean Corridor, is concerned by capacity issues. The proposed studies are necessary for the implementation of the Cartagena Intermodal Terminal and the Logistics Activities Area. The activities consist of infrastructure development and special plan, coordination of investment and operations, environmental impact studies, PPP management models as well as economic, financial and social analysis. The Action will contribute to the integration and interconnection of different transport modes, bottleneck elimination in the Port facilities and release of freight transport in Cartagena.	647,500
MAP-General	2016-ES-TM-0125-S	Demonstration study of infrastructure associated with an innovative LNG traction solution in a railway operation	The Action aims to study, from a technical, economic and environmental point of view, the needed LNG infrastructure as a new energy source in rail traction. It is embedded in the Spanish national strategy to promote vehicles with alternative energy (2014-2020). It includes test infrastructure preparation, pilot tests, studies and a programme for the implementation of LNG rail transport in the TEN-T network. At the end of the Action, it is expected that the legal, technical and financial requirements for LNG implementation in Europe will be defined.	2,326,250
MAP-General	2016-ES-TM-0133-S	Linking Zaragoza: Urban connectivity with the Core Network	The Zaragoza-Delicias Intermodal Station (EIZD) is the main connection between the city of Zaragoza and the Mediterranean Core Network Corridor, integrating high speed, long, medium distance, commuter trains and long-distance intercity buses. EIZD's current location and configuration present difficulties to integrate different transport modes, pedestrian connection and transshipments. The mobility plan of Zaragoza includes works to improve EIZD's connectivity with the Zaragoza urban and metropolitan area. The Action covers the studies that will be used to carry out these works. Activities include studies for improving the connectivity of the EIZD and the integration of more sustainable transport modes, and studies for improving the functionality of the EIZD.	709,366
MAP-General	2016-ES-TM-0271-S	Remodelling of the Madrid Chamartín railway complex to adapt it to high speed services	The Action consists of studies to adapt facilities and to configure the Madrid Chamartín station to meet the forecast demands for trains and travellers. The studies will define the works needed in access roads, sidewalks, lobby, management rolled and pedestrian access, as well as the integration with the development of the "Extension of Castellana" urban project. It is part of Madrid Urban Node, a global project which aims to remove the current bottleneck between North\North West and the remainder of the Spanish high speed railway network. The Action is necessary to achieve interoperability in the Madrid Chamartín station and will allow the Global Project to reach its full functionality.	1,600,000

** The CEF funding under the multinational (EU) proposals has been allocated to respective MS based on the share of each applicant in the proposal and their place of establishment.

Call	Proposal Code	Proposal Title	Proposal Description	Recommended CEF Funding**, €
MAP-General	2016-ES-TM-0272-S	C-Roads Spain	The Action is part of the C-Roads Platform and takes place in Spain. C-Roads is a platform of Member States working on the deployment of C-ITS services. C-ITS pilot sites will be installed across the EU for testing and later operation of Day 1 and Day 1.5 applications as recommended by the EC C-ITS platform. Member States will invest in their infrastructure, while the industry will test components and services. Technical and organisational issues will be tackled by the C-Roads platform to ensure interoperability and harmonisation of C-ITS between pilots. The Spanish C-ITS pilots will deploy and test C-ITS services using hybrid communication technologies and will cover most of the Core Network in Spain.	8,989,977
MAP-General	2016-EU-TM-0117-M	2016 SESAR Deployment Programme implementation - Cluster 1: General	The Action contributes to the deployment of SESAR and is aimed at facilitating the coordinated and synchronised deployment of a cluster of 65 Implementation Projects (IPs) in EU Member States. These IPs are aligned with the Pilot Common Projects (PCP, Regulation (EU) No 716/2014) and will enhance ATM performance. This Action includes IPs of all six ATM Functionalities (AFs): - AF1 Extended Arrival Management and Performance Based Navigation in high density Terminal Manoeuvring Areas - AF2 Airport Integration and Throughput - AF3 Flexible Airspace Management and Free Route - AF4 Network Collaborative Management - AF5 Initial System Wide Information Management - AF6 Initial Trajectory Information Sharing	34,914,682
MAP-General	2016-EU-TM-0126-S	ECO-GATE: European Corridors for natural GAs Transport Efficiency	EU Directive 2014/94/EU foresees the construction of alternative fuel refuelling infrastructure in Europe. The Action concerns a study of the conventional and renewable NGV market on the Mediterranean, Atlantic and partly Rhine-Danube Corridors, covering also parts of the Core Network in Spain and France. This study, in the form of a real-life trial, involves construction and monitoring of L-CNG and CNG refuelling stations. It should utilise new technologies and innovative solutions in regard to supply logistics services, cleaner fuels, refuelling infrastructure, vehicle and components manufacturers and operational processes. Once finished, the study should serve as a basis for a large-scale deployment of cost reduced technology.	5,873,750
MAP-General	2016-EU-TM-0275-W	MedTIS III	MedTIS III will implement road safety solutions, traffic management services and traveller information services on TEN-T Mediterranean Corridor. MedTIS III is set up on a continuous stretch European motorway embedding various typologies of traffic (daily recurrent, seasonal peak migrations, heavy goods vehicle long distance routes), 10 TEN-T Urban Nodes, 5 cross-border areas and more than 30 bottlenecks. Through the implementation of ITS, the Action will generate leverage effects such as enhanced efficiency of transport networks, cross-border coordination, road operator collaboration, harmonisation and acceleration of deployments.	2,699,960
MAP-General	2016-EU-TM-0316-W	Arc Atlantique Phase 3	The Action aims at bridging gaps in ITS services and improving safety along the North Sea-Mediterranean and Atlantic Corridors. To that aim, the Action will deliver works focused on improving real-time traffic information services and cross-border traffic management, as well as on creating national access points and deploying ITS systems on a wide scale. The Action will have positive impacts in interoperability and safety and will reduce traffic congestion and emissions.	803,600

** The CEF funding under the multinational (EU) proposals has been allocated to respective MS based on the share of each applicant in the proposal and their place of establishment.

Call	Proposal Code	Proposal Title	Proposal Description	Recommended CEF Funding**, €
MAP-General	2016-EU-TM-0327-S	CONCORDA	CONCORDA will prepare the European motorways for automated driving and high density truck platooning with adequate connected services and technologies. The main objective of the Action is to assess performance of the hybrid communication under real traffic situations. The Action will elaborate, agree and potentially validate issues related to hybrid, safe and secure communication, digital infrastructure and positioning accuracy, that require a consensus between sector-specific viewpoints. The Action builds upon the EATA (European Automotive Telecommunication Alliance), which will share best practices and ensure a consensus between telecom operators and the automotive industry on communication technologies for C-ITS towards automation.	803,394
MAP-General	2016-EU-TM-0337-S	E-VIA - FLEX-E mobility in AT, DE, ES, FR, IT	The Action will deploy 26 multi-standard Ultra-Fast Charging Stations (150 kW - 350 kW) in AT, DE, ES, FR and IT covering cross-border connections on the Baltic-Adriatic, North Sea-Mediterranean, North Sea-Baltic, Rhine-Danube, Atlantic, Mediterranean and Scandinavian-Mediterranean TEN-T Core Network Corridors. It is embedded in a Global Project that encompasses the deployment of about 2,500 ultra-fast chargers in Europe. The Action will ensure full service continuity and interoperability with existing fast and ultra-fast charging networks across Europe. A real life trial involving customers, charge point operators, electric utilities and automotive manufacturers will be conducted to establish innovative relationships between all stakeholders and clients.	761,417

** The CEF funding under the multinational (EU) proposals has been allocated to respective MS based on the share of each applicant in the proposal and their place of establishment.