

Shift2Rail Dialogue on the Future of Rail Research & Innovation Spanish Event

Shift2Rail: States Representatives Group

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Shift2Rail

“To prepare the European Transport Area for the Future”

*“**Rail**, especially for freight, is **sometimes seen as an unattractive mode**”*

*“**Considerable investment will be needed** to expand or to **upgrade the capacity** of the rail network. New **rolling stock** with silent brakes and automatic couplings should gradually be introduced.”*

*“By **2050** the majority of medium-distance passenger transport should go by rail..”*



1

S2R. Establishment, Members & KPI

2

**S2R. Innovation Programmes,
¿Participation Rules?
States Representatives Group**

3

S2R. Spanish Participation

4

¿S2R (2)?

Shift2Rail Establishment, Members & KPI

PPP aimed at stimulating and better coordinating Union research and innovation investments in the rail sector with a view to accelerating and facilitating the transition towards a more integrated, efficient, sustainable and attractive Union railway market



a 50 % increase in the reliability and punctuality of rail services



a 100 % increase in the capacity of the railway transport system



a 50 % reduction of the life-cycle cost of the railway transport system



the reduction of negative externalities linked to railway transport



to contribute to the achievement of the Single European Railway Area

FOUNDING MEMBERS



ASSOCIATED MEMBERS



Shift2Rail Innovation Programmes



	IP1	IP2	IP3	IP4	IP5	CCA
Lighthouse Projects	Roll2Rail	(In2Rail) (Roll2Rail)	In2Rail	IT2Rail	Smart-Rail	(Smart-Rail) (Roll2Rail) In2Rail
Projects 2015/2016	CONNECTA PINTA Safe4Rail	X2Rail-1 VITE CYRail MISTRAL	In2Track In2Smart S-Code	ATTRACKTIVE Co-Active ST4RT GOF4R	FFL4E FR8Rail ARCC SMART INNOWAG DYNAREIGHT	IMPACT-1 PLASA FINE 1 NEAR 2050 GoSAFE RAIL DESTINATE OPEUS
Projects 2017	PIVOT Mat4Rail Run2Rail	X2Rail-2 ASTRAIL ETALON	In2Stempo IN2DREAMS Fair Stations MOMIT	Cohesive CONNECTIVE My-TRAC	FR8HUB OptiYard	IMPACT-2 SMaRTE

Shift2Rail ¿Participation Rules?

Tasks of States Representatives Group

Call for
Proposals

The States Representatives Group shall be involved and, in particular, review information and provide opinions on the following matters:

CFM
OC



“Blue Sky”



annual work
plans



involvement of SMEs
and relevant actors fr
om outside the traditi
onal rail sector.



provide
information to
and act as an
interface with
the S2R Joint
Undertaking



identification of
potential areas of
cooperation,
including
deployment of
relevant technologies
to allow synergies

Shift2Rail Spanish Participation

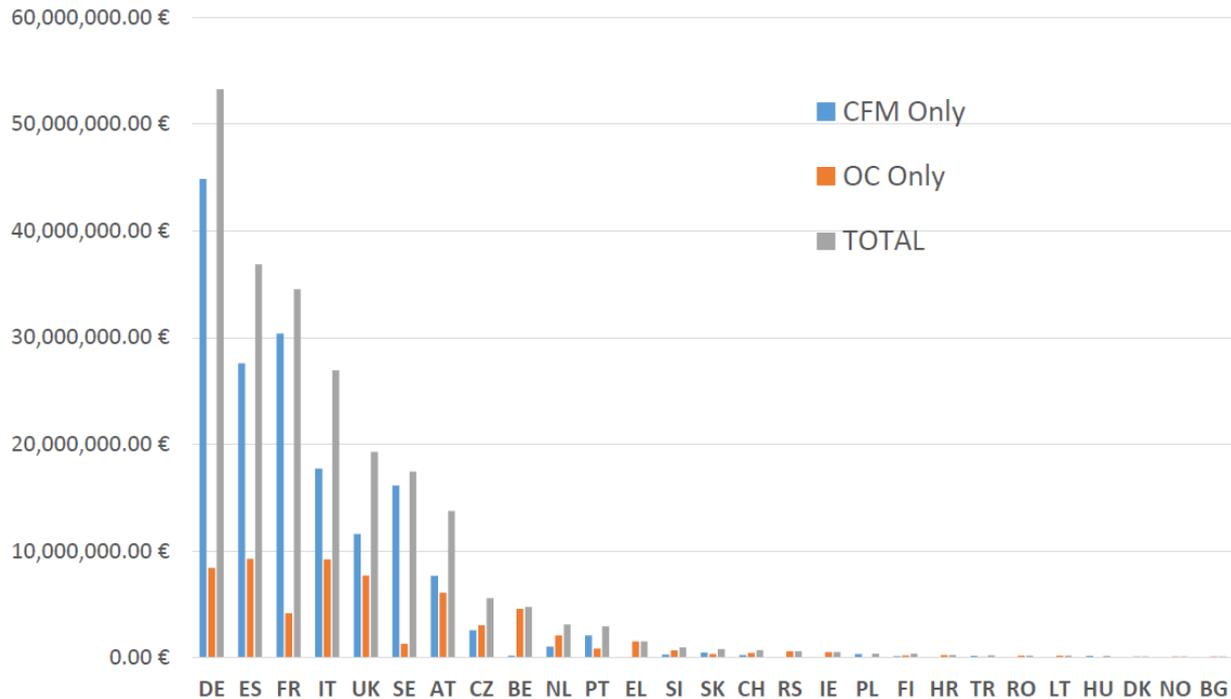
S2R PARTICIPANTS MAP

Delivering together railway Research & Innovation



SCAN ▶

CFM + OC AMOUNT GRANTED PER COUNTRY (2015-2018)



INTERIM EVALUATION

The current membership of the S2R JU **does not cover** all rail actors in a **balanced** fashion

a close watch is made of useful developments elsewhere, as these potentially useful developments may come from.
Synergies

Lack of continuity between the lighthouse projects and certain IPs work and also a lack of communication between the IPs currently



HORIZON EUROPE

100 billion

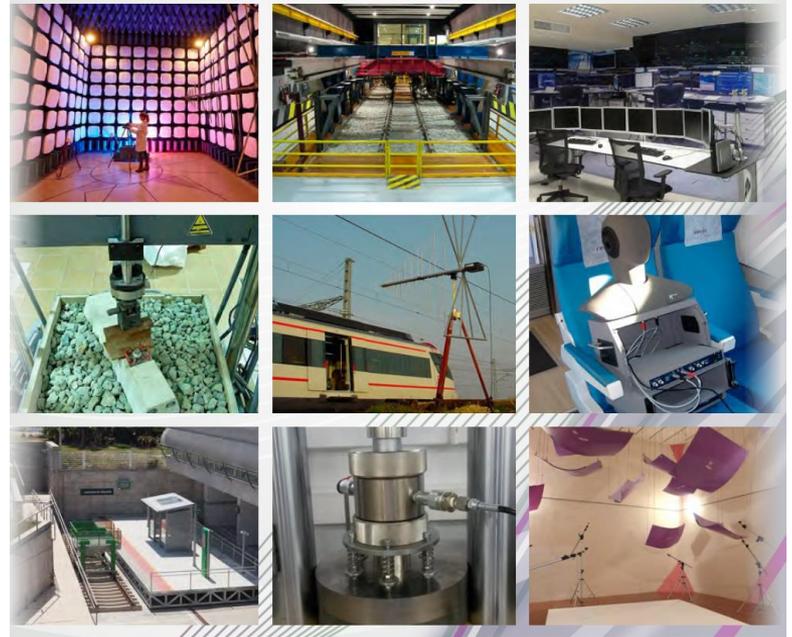
“Evolution, not revolution”

Priorities:

decarbonization, automation, traveler orientation
effective maintenance and sustainable growth.

Testing facilities

Laboratories, Equipment and Facilities available in Spain for the Railway Sector



<http://www.ptferroviaria.es/docs/Documentos/CatalogoLaboratorios2015.pdf>

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Thank you for your attention