



TRANSVERSAL EXPLORATORY RESEARCH ACTIVITIES FOR RAILWAYS

TER4RAIL aimed to reinforce the cooperation between rail-related stakeholders to improve the efficiency of research in the rail sector, in order to facilitate innovative ideas and the cross-fertilisation of knowledge from other disciplines. The TER4RAIL project worked closely together with Shift2Rail and ERRAC (The European Rail Research Advisory Council) to promote knowledge and information transfer between rail stakeholders.

BUDGET
€ 500,000 

24  DURATION
MONTHS

COORDINATOR: **EURNEX**

2018

2020



There is no green future without railways.

Yet for rail to be the backbone of European mobility, the railway sector needs to actively engage with other transport stakeholders.

This is exactly where TER4RAIL came in.

Dr.-Ing. Armando Carrillo Zanuy,
TER4RAIL Coordinator



01 RAIL INNOVATIVE RESEARCH OBSERVATORY:

Mapping rail research and innovation & stimulating transfer of knowledge

IN THE RAIL SECTOR:

- ▶ Analysing trends and challenges & future rail vision
- ▶ Survey to rail stakeholders
- ▶ Identification rail-related projects: Horizon 2020 & National

OUTSIDE THE SECTOR:

- ▶ Urban Scenarios 2050 report
- ▶ Mapping rail-related work developed by other sectors
- ▶ Interacting, sharing experiences & cross fertilisation

The Rail Innovative Research Observatory could be the basis for the synergies identified by the ERRAC Strategic Research & Innovation Agenda (SRIA) and contributes to more successful multimodal rail research in Horizon Europe.



02 ROADMAP:

Assessing the existing roadmaps that drive the future of railways and compare them with the interpretations obtained from the Rail Innovative Research Observatory

- ▶ Delphi exercise performed in 2019-2020
- ▶ Identification of gaps in roadmaps
- ▶ Contribution to the Shift2Rail Multi Annual Action Plan
- ▶ 3 webinars

Railways should be considered in non-railway roadmaps as key mode to realise integration with. For that, engagement at institutional and individual level in other areas should be pursued.



03 ARGUMENTS SUPPORTING RAIL:

Collecting & analysing data highlighting rail's advantages in Europe

- ▶ Rail in Europe: data research and collection of statistics (Metro, Light Rail, Freight, Social-Financial-Environmental variables)
- ▶ SWOT analysis of rail and analysis of statistics highlighting benefits of rail
- ▶ Considerations on future trends
- ▶ Success Stories of EU rail report (Urban, HSR, Freight)

Co-modality, sustainable mobility, modal shift, social inclusivity, competitiveness, collaboration between actors and economy of scale, are game changers of our times. The Rail Success Stories clearly demonstrate that these characteristics belong to the rail industry.

DISSEMINATION

has been at the heart of the TER4RAIL project



Alongside rail experts, stakeholders and the scientific community, **TER4RAIL also reached and engaged the next generation of rail users by targeting a broad young audience via a YouTube video contest.**



WWW.TER4RAIL.EU



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