



Interregional Alliance for the Rhine-Alpine Corridor EGTC

Roadmap towards a Carbon Neutral Rhine-Alpine Corridor

Advisory Board Meeting, 29 October 2021

1. Why this roadmap?

Context:

- Green Deal
Smart and Sustainable Transport Strategy flagship goals / Fit for 55 legislation i.e. AFIR
- TEN-T
Current status, method & projects (pilots) + upcoming revision

Goal:

Better support projects that contribute to decarbonise transport flows on the corridor in addition to the existing TEN-T objectives.

Call to action: Include objectives and analysis in the corridor work plan RA

2. Current state of green transport

Identify the need for infrastructure quantitatively and spatially and to describe:

- the alternative fuel vehicles in countries of the RALP, as well as rough estimations of proportion of traffic along the RALP using them.
- the availability of alternative fuel infrastructure, including (multimodal) charging points, and to determine the current sales of those fuels in comparison to fossil fuels.
- the current state of the energy grid that serves the charging infrastructure along the RALP and the (potential) hydrogen pipelines, or an estimate of the scale of logistics needed to serve the fuel stations.

3. Estimated need to achieve EU targets

Based on the EU decarbonization targets for 2030 to 2050 as well as the national targets of countries along the RALP, it would be necessary to translate them into figures for the RALP itself:

- through scenario building and modelling
- in response to market developments

resulting in:

- Translating percentage of CO2 reduction into alternative fuel share in corridor traffic
- Supply Energy Supply Side
- Growth of corridor traffic / Modality choice

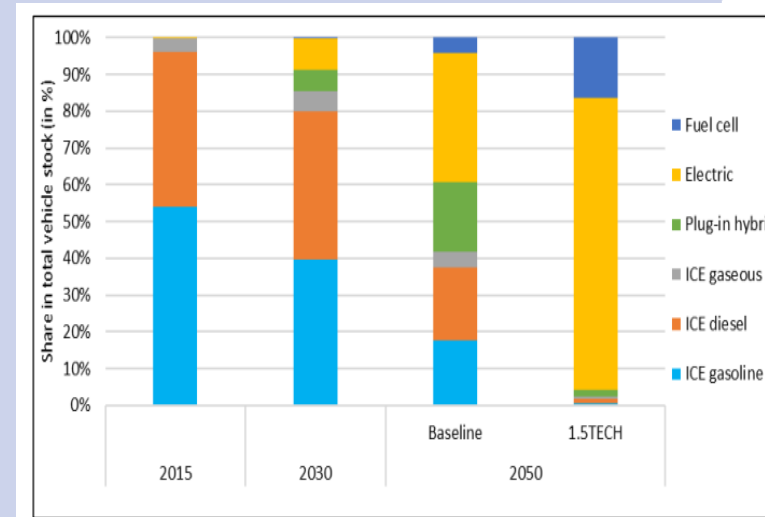


Figure 6-7. Market development: EU car stock, by fuel type and scenario
Source: adapted from (EC, 2018c)

EU car stock by fuel type and scenario.

4. Current initiatives along the RALP

The EGTC partners have a shortlist of their own (CEF) projects and studies for greening the corridor:

- Clean Energy Hubs
- CLINSH
- RH2INE
- Study on development of a hydrogen ecosystem and supply chain

Identify current and future pilot and research projects -> for example the MAGPIE & PIONEER Horizon projects.

Table 1 – CEF initiatives targeting clean fuels along RALP corridor ongoing/planned

Project title	Mode	Member States involved
EUROP-E: European Ultra-Charge Roll Out Project - Electric	Road	AT, BE, DK, FR, DE, IE, IT, NL, PL, PT, ES, SE, UK
BioLNG EuroNet	Road	AT, BE, DK, FR, DE, IE, IT, NL, PL, PT, ES, SE, UK
Zero emission public transport services for Schiphol Amsterdam Airport and along the core corridors.	Innovation	NL
EV CHARGING ITALY	Road	IT
CRE8: Creating the station of the future	Road	IT
AMBRA-Electrify Europe	Road	ES IT RO
High speed electric mobility across Europe	Road	DK, SE, DE, F, UK, IT
RH2INE Kick-start Study	IWW	DE NL
Electrification of the quays in Genova Voltri - Electricity supply to the ships via connection to the ground grid.	Maritime	IT
LNG for shipping and logistics in Europe	Innovation	DE
MEGA-E: Metropolitan Greater Areas – Electric	Road	BE DE DK EE FI FR LT LU LV NL PL SE UK
REMETBUS2 Rotterdam	Road	NL
Bio2Bunker: BLNG as the solution for decarbonising the maritime industry.	Maritime	BE DE NL
FENIX European Federated Network of Information eXchange in LogistiX	Digital	AT, BE, FR, DE, GR, IT, NL, SP, SK

5. Gap Analysis

Here, the key aim is to identify the needed improvements in technology, systems, market conditions, and policies to achieve the targets. Critical analysis of how these current initiatives will contribute to the targets identified for the RALP

This could for example lead to insight into:

- Synergy advantages
- Emphasizing social aspect cost-benefit analysis
- Unbalanced barriers to accessibility
- Potential risk of reverse modal split
- Supply and demand of low emission powertrains

6. Funding opportunities

With the targets for a carbon neutral corridor and the gaps identified it will become clear which actions are still needed to reach them. It can then be identified what can be done:

- by the EGTC and its members
- by actors on EU- / national or regional state level
- in a behavioral sense to incentivize modal shift

7. Call for action to the RALP Coordinator

- Support the initiative of the 'roadmap carbon neutral Rhine Alpine corridor' by the EGTC partners.
- Stimulate deliberations on the challenges and ambitions towards a Carbon Neutral Rhine Alpine Corridor, including in preparation of the upcoming Work Plans.
- Facilitate the organisation of the RALP working groups, where the gaps of the corridor could be presented and discussed.
- Advocate the CEF proposals considered relevant for the RALP.
- Promote the solutions developed by the "EGTC Rhine-Alpine Corridor" partners as best practices in terms of Corridor greening."

8. Points for Discussion

Scope: Taking into account the importance that climate adaptation has in the European plans and programmes, next to climate mitigation.

Interpretation objectives for RALP corridor: proportional or disproportionate frontrunner?

Next steps:

1. handing over to the Corridor Coordinator,
2. EGTC Talks December 2021,
3. further detailing,
4. possible role of EGTC.

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