

## REthinking Future Infrastructure NETworks

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[www.refinet.eu](http://www.refinet.eu)



<https://www.linkedin.com/groups/8464241>

## Rethinking Future Infrastructure NETWORKS

The Infrastructure & Mobility Committee of ECTP is a networking forum within ECTP for all stakeholders that see the need to comprehensively tackle the challenges infrastructures are facing. Construction constitutes an integrating environment for a multitude of trades and crafts that shapes our daily and immediate environment. ECTP provides the grounds to facilitate innovative approaches for the needs of European society. The Committee targets a European-wide infrastructure initiative aiming to develop RDI-programme dedicated to infrastructure topics.

The **REFINET** European Coordination action is a project supporting the Infrastructure & Mobility Committee of the ECTP. Its primary objective is to create a shared European vision of how the multimodal European transport infrastructure network of the future should be specified, designed, built, renovated, and maintained, and elaborate a Strategic Implementation Plan (SIP) that will define the innovation activities required to make this vision a reality.

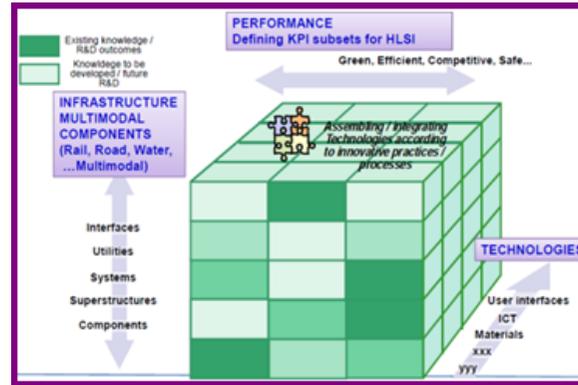
Such an ambition must be supported by a sustainable research network that integrates relevant stakeholders' representatives of all transport modes (road, railway, maritime, fluvial...) and transport infrastructure sectors, and is a major cornerstone of an ambitious initiative to be further supported by the European Union, facilitating the development and time to market of affordable breakthrough technologies and solutions for high-level service infrastructures supporting future Transport Services.



## REFINET – Key outputs

**A sustainable stakeholders network** 700+ stakeholders in Europe and beyond, from all transport modes and the infrastructure industry.

**Multimodal Transport Infrastructure model** is a high-level non transport-mode specific model that should be a living reference for the establishment of objectives and sustained criteria for defining the design and operation specification of infrastructure projects in Europe.



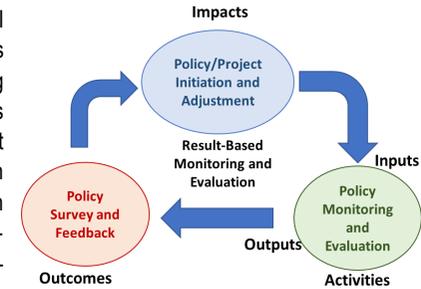
**Collection of Best Practices** relying on a taxonomy of such use-cases and reference practices in design, construction and maintenance of transport infrastructures that have already been deployed in practice



**Catalogue of technologies** for infrastructures, relying on a framework and taxonomy that provide means for current and future technology capture and classification

**Vision** for the European transport infrastructure network - so as to create a common understanding among the REFINET network members about the blueprint and characteristics of the multimodal European transport infrastructure network of the future - and the consequent R&I demands to evolve the current European transport networks according to this vision.

**Strategic Implementation Plan (SIP)** with prioritised R&I actions, recommendations and guidelines - containing specific actions and initiatives at different levels which must be taken to design, maintain and operate European transport infrastructures according to the REFINET multimodal transport infrastructure model, and cooperation between all stakeholders



**Geo-Clustering platform for technological demands**, as a backbone of geographical nodes grouping both interested stakeholders and appropriate solutions targeting local or regional characteristics and needs from several points of view