



# **ECTRI and Rail Research**

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## ECTRI Vision

- **The overall vision of ECTRI is to create a structured and institutionalized co-operation between the National Transport Research bodies towards achieving the common “*European Research Area*” concept in the Transport field.**

ECTRI’s core-area of focus is defined as :

*to work primarily on intermodal issues and support the vision of a Single European Transport System which is truly multi-modal, safe and secure, heavy user of ICT, and reconciling the objectives of efficiency and environmental protection.*



## ECTRI Vision

- To provide an **independent** – “**intellectual**” **dimension of advise** towards the research funding bodies of the EU whose thinking is currently heavily solicited by industry.
- To fight against European fragmentation of Transport research policies and provide a **uniform European representation** towards Transport research in the US, Japan, and Asia.
- As an extension to the previous “vision”, to create practical and usable “**links**” **between the results of applied research** and their **industrial transformation** into “products”.
- Promote coordinated and high quality **European - wide training options** for Transport executives.
- To achieve **Joint European Infrastructures (JEIs)** in some key areas of Transport research and / or research related activities, by jointly utilizing the current infrastructures owned and maintained by National and / or European funds within each Institute.

## ECTRI Mission

The mission of the ECTRI Association is to work towards achieving the joint Vision of the Associated Institutes. Within this overall aim, the mission of the ECTRI Association can be further specified as follows :

- To support its members in formulating and promoting joint proposals for research within the current 6th FP calls (or other programmes and calls) as a first step towards co-ordination and co-operation of its member Institutes and research Organizations.
- To acquaint its members with the policies and practices followed by each other within their National research priorities and policies, and promote discussion with a view to reconciling these policies vis-à-vis the ECTRI' s common vision, and the EU' s policies for Transport research.

## ECTRI Mission

- To create and keep open, permanent links and liaisons with the EU's three DGs that are active in supporting transport research (i.e. RTD, TREN, and INFSO) with a view to providing advise and assistance in their (transport research) policy formulation and helping them to go beyond their “industrial focus” of today.
- To create and keep open, permanent links and liaisons with the US TRB, and the similar bodies in Japan, Korea, China, India, and Australia.
- To help European researchers especially young ones, increase their mobility and training opportunities of performing joint research programmes with other researchers and Institutes.
- To produce a Joint Programme of Activities (JPA) for 3 years periods (or 5 years) that pursues the ECTRI vision and defines the ECTRI business in the same time period (ECTRI Business model).

## Who are members ?

**AVV (NL)**

**CDV (CZ)**

**DLR (DE)**

**DTF (DN)**

**FHG-IVI (DE)**

**HIT (GR)**

**INRETS (FR)**

**KTI (HU)**

**POLITO (IT)**

**TNO (NL)**

**TOI (NO)**

**TRL (UK)**

**UPM (SP)**

**VTI (SE)**

**VTT (FI)**



## ECTRI business model

**The concept of ECTRI business model is to create and develop in the long term a European Network of Excellence\* where integration and common activities are dynamic and will and agreement are essential.**

**\* in a broader sense than those of 6th FRDP but in line with the concept developed by European Commission through its communication on ERA**

## Governance activities

- **Long term activities (7th FRDP and big national or bilateral programs)**
- **Medium term activities (next call 6th FRDP and work programmes, mobility and training, research infrastructures)**
- **Short term activities (apart of preparation of answers) : bricks for NoE, governance and management of NoE, consortium agreement for NoE**
- **Management and secretariat of ECTRI (enhancement)**
- **Opening to new membership applications (Eastern and Western countries).**

## ECTRI working groups

- *Internal communication issues (INRETS, AVV, DLR, FHG-IVI, TRL, TNO, HIT, VTT)*
- *Mobility and training (DTF, INRETS, POLITO, CDV, VTI, UPM, DLR)*
- *Research facilities issues (TNO, INRETS, CDV, FHG-IVI, POLITO, VTI, TRL)*
- *Other research infrastructure issues (databases, libraries, ...) (DLR, KTI, TRL, INRETS, VTI)*
- *ECTRI Joint Program Activities (AVV, VTI, TRL, INRETS, KTI, DLR)*
- *ECTRI strategic vision and transport system of the future (HIT, AVV, VTI, INRETS)*

## Output activities thematic task forces

- Economics and sustainability (INRETS)
- Transport policy forum (AVV)
- Urban transport (FHG-IVI)
- Rail Research (INRETS)
- Road Passive Safety (TNO)
- ITS and ADAS H.F. (INRETS)
- Goods transport (HIT)

They are opened to other partners.



## ECTRI and rail research (who ?)

**INRETS**

**DTF**

**DLR \***

**FHG-IVI \***

**TRL**

**VTI**

**TOI**

**VTT**

**UPM \***

**(Originally USTG rail research teams were in ECTRI)**



What ?

**EUFRANET**  
**SAMNET, SAMRAIL**  
**EUR2EX**



# Competencies

**Guided transport safety**

**Rail noise**

**Rail vehicle dynamics**

**Economics and system appraisal**

**Rail ITS and navigation systems**

**Rail and guided transport systems engineering**

**Electrotechnics**

**EMC**

**Interoperability**

**Research for approval or certification**