

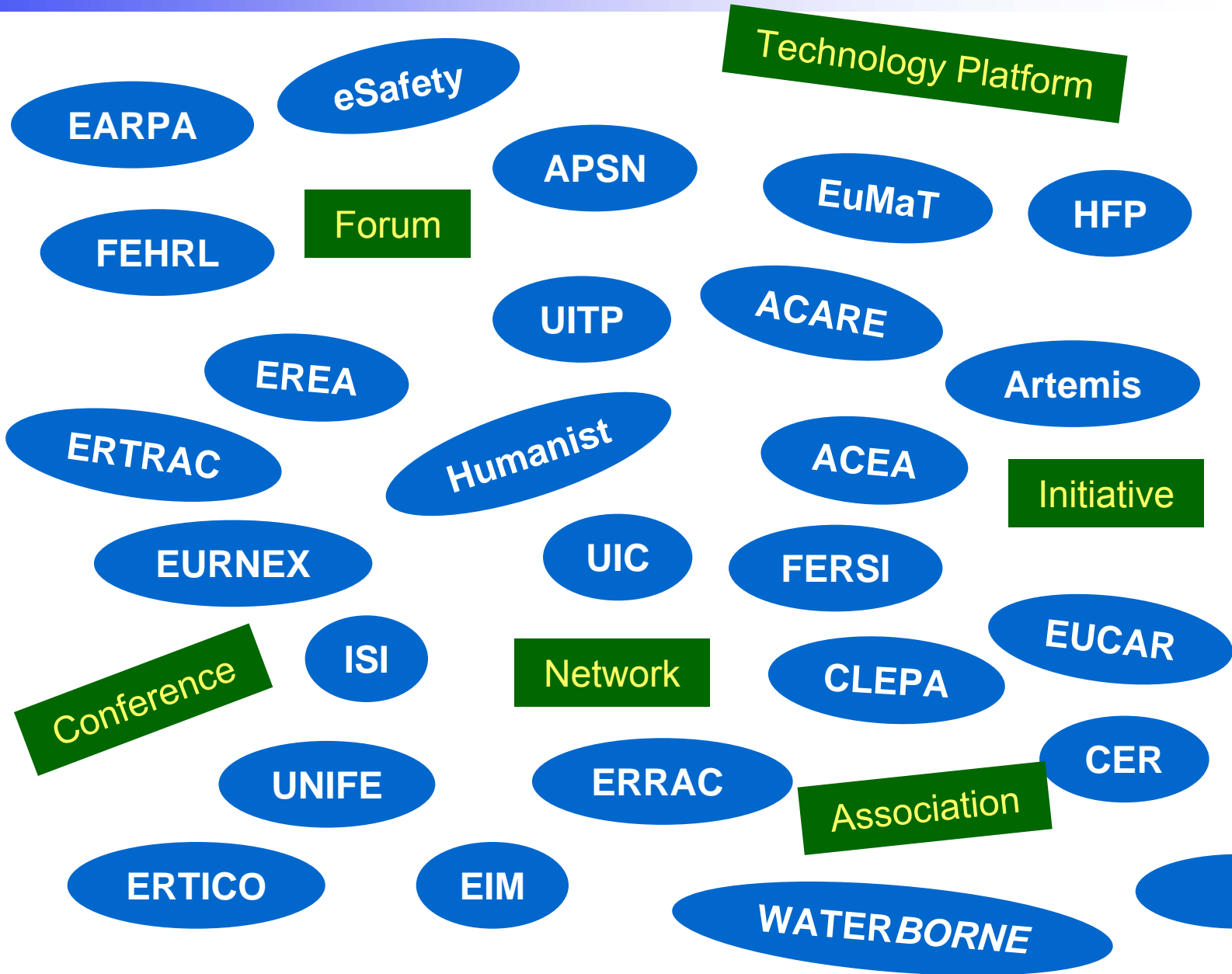
**TRB 2008 – Innovative research partnerships**

**EUROPEAN PARTNERSHIPS**

**Guy BOURGEOIS – ECTRI Chairman**

- Do you want to understand anything about European research in the field of transport?
- You can try by yourself : – Then you will find that (*next slide*)

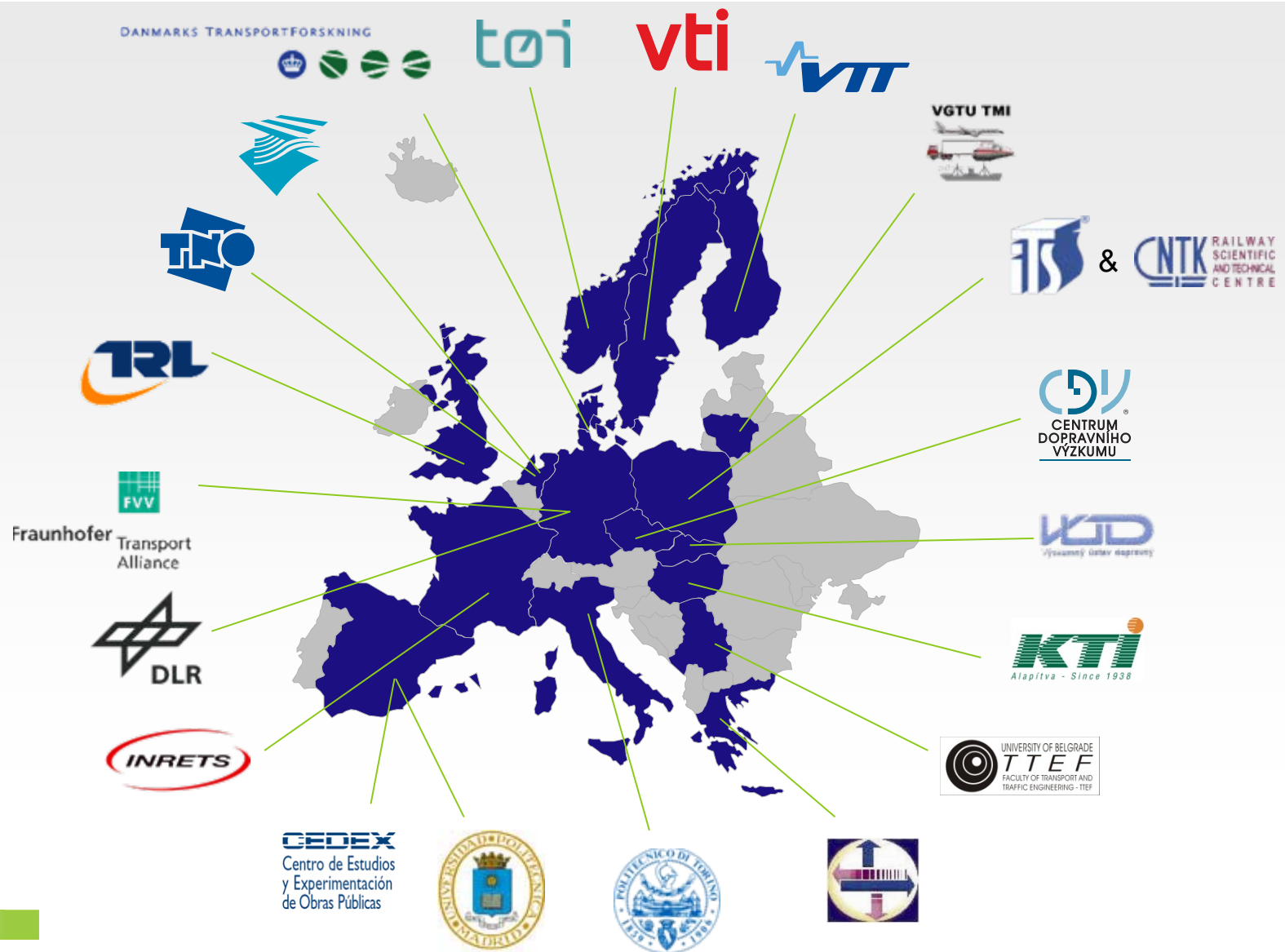




Or , just ask



# ECTRI Members



# ECTRI Origin

## ECTRI: European Conference of Transport Research Institutes

- Idea launched in 2001
- Established in 2003 as a non-profit association registered in France
- Brings together 20 major transport research institutes or universities from 17 European countries active in multimodal research



# ECTRI Objectives

- To contribute to the integration of transport research within the European Research Area (ERA) through cooperation
- To promote coordinated and high-quality transfer of know-how in the field of transport within the ECTRI community
- To provide a platform of exchange for the establishment and development of research networks
- To be an independent intellectual body able to advise on key policy issues
- **To better organize international relationships**



# ECTRI Members...

- are
  - active in application-oriented research; in some cases 'frontier research'
  - involved in regional, national, European and international programs
  
- ECTRI and its members collaborate with all stakeholders:
  - public bodies (regional, national, European)
  - industry (manufacturers, suppliers,...)
  - operators and users
  - other research organizations including academia
  
- ECTRI wants to:
  - promote non-linear innovation schemes
  - provide independent scientific advice
  - campaign in favor of the integration of organizations from the new member states, acceding and Western Balkan countries





# Traffic Sector Activities



	CDV	CEDEX	DLR	DTU	DVS	FhG-FVW	HIT	INRETS	ITS & CNTK	KTI	POLITO	TNO	TØI	TRL	TTEF	UPM	VTI	VTT	VG TU TMI	VÚD
Road Transport																				
Rail Transport																				I
Waterborne Transport											I									
Air Transport								I				I								
Cross Cutting Work																				

– marginal



# ECTRI Fields of Expertise

	CDV	CEDEX	DLR	DTU	DVS	FhG-FVW	HIT	INRETS	ITS & CNTK	KTI	POLITO	TNO	TØI	TRL	TTEF	UPM	VTI	VTT	VG TU TMI	VÚD
Freight Transport & Logistics																				
Mobility & Travel Behavior																				
Modeling																				
Passenger Transport																				
Safety & Security																				
Transport & Economics																				
Transport & Ergonomics																				
Transport & Telematics																				
Transport & Environment																				
Transport Infrastructure																				
Transport System Management																				
Vehicle Technology																				

Source: Ectri JPA 2006-2008



# ECTRI Board 2007-2009



*President:*

**Guy Bourgeois** – INRETS, France

*Vice-President:*

**Josef Mikulik** – CDV, Czech Republic

*Secretary:*

**Dietmar Wurzel** – DLR, Germany

*Treasurer:*

**Cristina Pronello** – POLITO, Italy

*Members:*

**Joris AI** – DVS, The Netherlands

**Lasse Fridstrøm** – TØI, Norway

**Niels Buus Kristensen** – DTU Transport, Denmark



# ECTRI and FP 7

Advice / recommendations based on societal needs in surface transport



## Inputs / contributions

- FP 7 updates / working programs
- consultations
- EC papers (green / white papers etc)



## Benefits

"Economies of scale" of a collaborating European research community

Members find areas of interest covered in calls



# Transversal Working Groups

- **Soft research infrastructures**  
Common ECTRI transport research “soft” infrastructures initiative
- **Hard research facilities**  
Common ECTRI transport research facilities initiative
- **Mobility and training**  
Promotion of human resources and mobility – Young researchers seminar – Marie Curie
- **Electronic journal (ETRR)**  
European Transport Research Journal – An Open Access Journal  
First papers for review in June 2008  
published by Springer



# Thematic Working Group A : Urban mobility

- WG composed of 29 experts from 16 institutes  
Claire Plantié-Niclause (INRETS, France): moderator and Barbara Lenz (DLR, Germany): co-moderator
- Objective of the group: preparation of a strategic research agenda on urban mobility, definition of a working program in this field, proposal of common reflections about research needs in urban mobility to European, National and Regional Institutions
- Main outcomes:
  - Delivery of the URBAMOVE Strategic Research Agenda – May 2005
  - Overview of ECTRI's member priorities in the field of urban mobility in July 2007
  - Contribution to the preparation of the EU green paper on urban transport (first position paper in April 2007 and second to be soon issued)
  - Participation in the EURFORUM project “European Research Forum for Urban Mobility” → SRA for Urban Mobility issued in November 2007 structured around the following research topics: user needs and behavior, urban structure, urban mobility services and systems, urban transport demand analysis and modelling for policy support ([www.eurforum.net](http://www.eurforum.net))



# Thematic Working Group B : Traffic safety & security

- WG composed of 22 experts from 17 institutes  
Pieter van Vliet (DVS, the Netherlands): moderator and Andrew Parkes (TRL,UK): rapporteur
- Strategic Group objectives (long term)
  - Equivalent influence in Europe to that of TRB (Safety) in North America
  - Identify target groups and working structures to ensure Safety Research and Practices based on high quality scientific approach e.g. APSN, EURNEX, HUMANIST Networks of excellence
  - Information resource for policy makers at European and National level
- Current activities based on:
  - Finalization of terms of reference and scope for this group (incl. definition of Safety and Security)
  - Definition of working relationships and lines of communication with other ECTRI thematic groups and others organisations working on safety issues i.e. FERSI
  - Identify specific elements for ECTRI FP7 initiated consortia
- Next meeting: 14-15 January 2008, Madrid, Spain



# Thematic Working Group C: Energy and climate change

- WG composed of 24 experts from 16 institutes  
Prof. Sausen (DLR, Germany): moderator; Phil Sivell (TRL,UK): rapporteur
- Scope of the group: development of WG experience matrix and identification of knowledge gaps (topics subject to a future ranking process); development of a document/resource database (Server-based)
- Research focus: emission measurement, technology assessment, soft measures, policy assessment, tool development, behaviour
- Current activities:
  - Input to TRB Climate Change event
  - Identifying areas that have been subject to research
  - Identifying knowledge gaps to allow us to propose a specific research agenda
  - Preparation of FP7 proposals





# Thematic Working Group D : Freight transport

- WG composed of 21 experts from 13 institutes  
Moderator: Andreas Lischke, (DLR, Germany); Rapporteur: Elisabeth Gouvernal (INRETS, France)
- Strategic goals of the group:
  - Producing successful FP7 proposals
  - Answering to EC specific requests related to freight transport issues
  - Producing a strategic paper for freight transport (long run)
  - Influencing the EC FP and policy issues (at a later stage)
- Current activities:
  - Preparation of a position paper identifying the widespread interests of the TWG participating institutes, defining the terms of references for common understanding and the further steps
  - Preparation of FP7 proposals



# Thematic Working Group E : Intelligent transport systems and infrastructures

- Composed of 24 experts from 16 institutes Moderator: Stephane Espié (INRETS, France)
- Selected topics of the group: strategic research needs (identification of research problems, and how to work towards a European research agenda on ITS (2009, 2010). What is ITS, how large is the spectra?), and focus on 2008 FP WorkProgramme
- Current activities:
  - Drafting on the research topics (structuring table of content and identification of team of contributors / topics), state of the art, identification of “gaps” in current research, prioritization, writing of a document for ECTRI (expected in spring 2008)
  - Identifying contact in ECTRI organisations, for the pre-identified calls topics and designing of the project consortia



# Thematic Working Group F : Mobility (socio-economic, demographic, policy aspects)

- WG composed of 14 experts from 10 institutes  
Claudia Nobis (DLR, Germany): moderator; Anu Kristina Siren (DTF, Denmark): rapporteur
  
- Focus on mobility behaviour of people and passenger transport demand. Scope of topics divided into two areas:
  - Better understanding of mobility behaviour: the main interest in this field is to understand the underlying factors and determinants affecting the mobility behaviour of people
  - Influencing mobility behaviour: the basic question in this field is how sustainable mobility behaviour can be promoted.
  
- Strategic goals of the group is to promote these topics by:
  - Identification of research gaps in the above mentioned fields
  - Formulation of strategic research topics on European level
  - Developing a Strategic research agenda
  - Promoting FP7 consortia in this field



# Thematic Working Group G : Transport economics and policy

- WG composed of 26 experts from 16 institutes  
Ariane Dupont-Kieffer (INRETS, France): moderator; José Vassallo (UPM, Spain) and Claudine van der Sluijs (DVS, The Netherlands): rapporteurs
- Scope of the group: to define a research programme on common fields of interest and promote scientific collaborations in these fields, to form consortia to prepare FP7 proposals
- Current activities:
  - Definition of the research programme around the following fields:
    1. Economic Evaluation (demand and supply estimation, evaluation of projects, valuation of non-market goods, ex ante and ex post evaluation...)
    2. Regulation and Financing (Pricing and taxation, financing, creation of competitive markets...)
    3. Transport Policies ( political design, Interest groups, levels of decision, EU equity assessment..)
  - Preparation of FP7 proposals
- Next meeting : 7 and 8 February 2008, Brussels



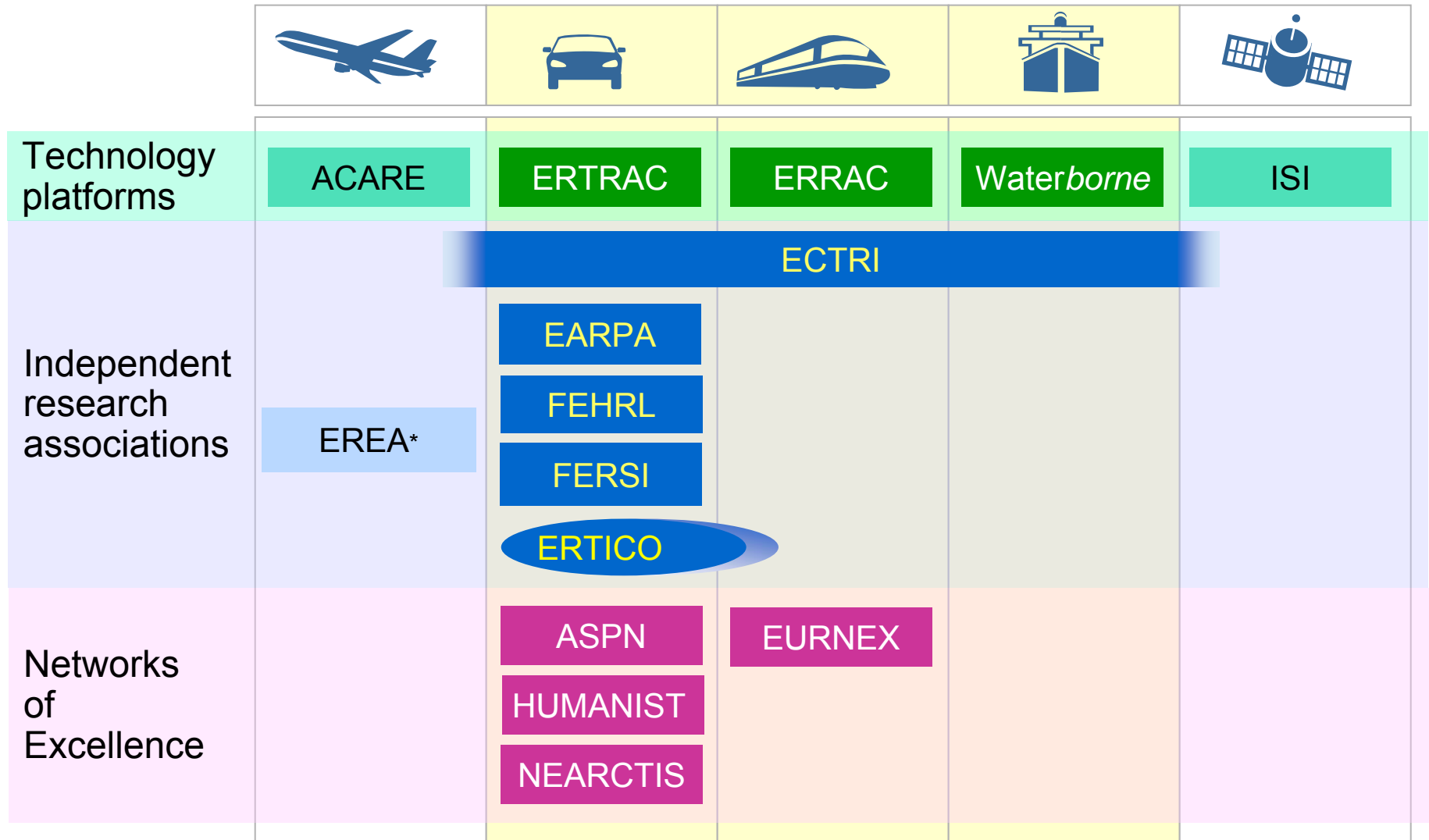
# Thematic Working Group H: Transport, Urban Environment, and Health

- WG composed of 14 researchers from 9 institutes  
Ronny Klæboe, (TOI, Norway): moderator; Ian McCrae (TRL, UK): rapporteur
- Scope of the group: bringing together ECTRI researchers working within the field of noise and noise related quality of life and health issues, and providing a platform for further areas of cooperation
- Group research activities focused on transport related emissions, on the welfare and health impacts of these emissions, and on dedicated measures to reduce the environmental and health impacts of road transport in urban areas.
- Planned activities:
  - Forming a the core of consortia for submitting proposals for the FP7 calls
  - Establishing a matrix of competences within ECTRI that can aid cross pollination for national research and for establishing ad hoc groups for writing bilateral, EC and international research proposals
  - Establishing and sharing common knowledge resources
  - Establishing and providing access to common ECTRI toolkits, and methodologies



# ECTRI in the Transport Research Arena

Major Technology Platforms – Associations – Networks of Excellence



\*Association of European Research Establishments in Aeronautics

# Traffic Related Technology Platforms

ACARE	Advisory Council for Aeronautics Research in Europe
ERRAC	European Rail Research Advisory Council
ERTRAC	European Road Transport Research Advisory Council
WATERBORNE	Waterborne (sea and inland waterways) TP
ARTEMIS	Advanced Research and Development on Embedded Intelligent Systems
BIOFRAC	Biofuels Research Advisory Council
EuMaT	European Technology Platform for Advanced Engineering Materials and Technologies
HFP	European Hydrogen and Fuel Cell Technology Platform
ISI	Integral Satcom Initiative

Overview / links to all technology platforms on the TP webpage:  
[http://cordis.europa.eu/technology-platforms/home\\_en.html](http://cordis.europa.eu/technology-platforms/home_en.html)



# International Activities

## ■ International interfacing

- TRB (US Transportation Research Board)  
MoU signed in January 2006 in Washington, D.C
- OECD/ITF (International Transport Forum – A worldwide Platform for Transport Ministers, Industry and Civil Society)

## ■ Participation in international conferences

- TRB Annual Meeting
- World Congress on Intelligent Transport Systems
- World Conference on Transport Research
- World Congress on Railway Research
- Road Safety on Four Continents





Further Information: [www.ectri.org](http://www.ectri.org)



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