



European Conference of Transport Research Institutes

ECTRI: European Transport Research Institutes and Universities working together

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**University Transportation Center
(UTC) summer meeting
Michigan Technological University**

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Content

- ECTRI Overview

- Basics features, Members, Vision, Mission & Objectives, Organisational structure, Positioning and Partnership in Europe

- Focus on specific activities

- ECTRI engagement in International activities
- ECTRI support in disseminating scientific results

Basic Features

- Non-profit organisation established in 2003 to
 - Promote **integrated transport R&D** in Europe
 - Tie together the foremost **multi-modal transport research centers** across Europe
 - Promote the **excellence of European transport research**
- **26** major European transport research institutes / Universities from **19** European countries
- More than **4,000** research staff
- Offices and staff (3+1) located in **Brussels**

Members

26 major transport research institutes or universities from 19 European countries

(Weblink to each organisation from the Logotype)



Vision and Mission

Vision

- ECTRI is the „leading European research association for sustainable and multi-modal mobility“

Mission

- ECTRI is pushing for green, safe, efficient, and inclusive transport for people and goods by
 - Promoting transport research and enhancing its scientific quality and effectiveness
 - Providing independent, evidence-based advice to decision-makers in Europe
 - Incorporating and representing the foremost European transport research institutes and universities

Strategic Objectives

- Shaping the future „European Research Area“
(including „Engage in **international collaborative activities**“)
- Joining research capabilities and infrastructures
- Promoting participation in R&D projects
- Servicing the Members
(through information, exchange, and representation)
- Fostering education and training
(for the next generation of researchers and research managers i.e. **Young Researchers Seminar**)
- Disseminating research results
(through **ETRR**, conferences, publications, and website)

Organisational Structure

Assembly of Members

*Highest organ of ECTRI
One representative per member*

Board

*Manages and administers ECTRI's
activities*

Secretary General

*Overall organisation of ECTRI's
activities*

Report to Board

Implement Board & Ass. decisions

Secretariat

*Performs day-to-day work and
organizational tasks*

Assists Board, Members, SG

*Disseminate & advertise on
ECTRI's activities and results*

Task Forces

Strategy

ECTRI-
TRB

Young
Researcher
Seminar

Thematic Groups

Mobility

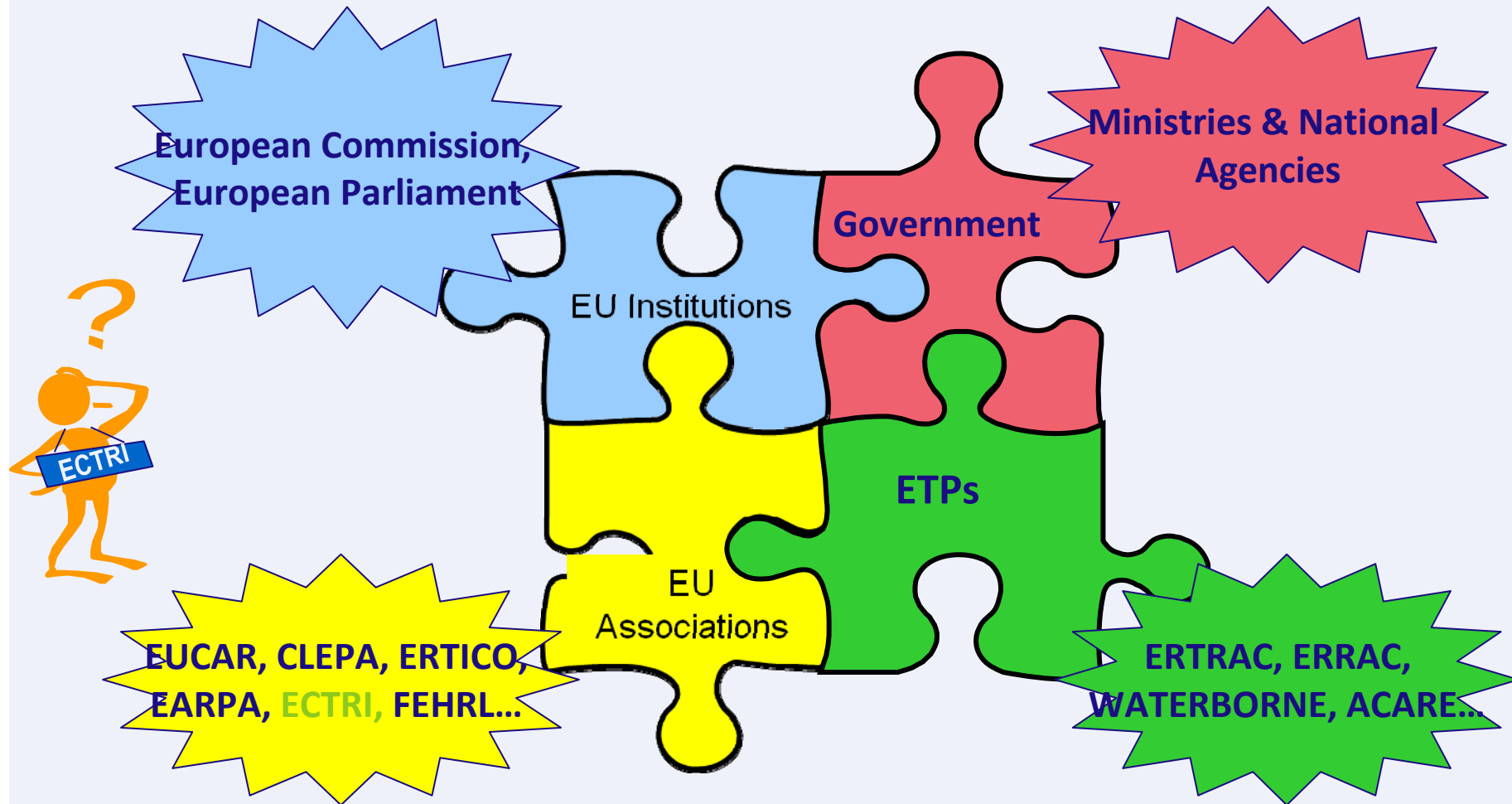
Freight
and
logistics

Safety

Economics
and Policy

Security and
risks
management

ECTRI positioning and partnership in Europe



ECTRI and International Cooperation (INCO)

Why engaging in International Collaborative Activities in transport ?

- Major **scientific challenges** are increasingly **global**: climate change, energy supplies, health → INCO can help to tackle the research issues related to global challenges more effectively.
- **Global pattern of research expertise** and investment **have changed**. Rapid advances in research activity in a number of new scientific "hotspots" around the world
- **Growing level of mobility and competition for researchers** at the highest level. Europe needs to maximise opportunities to network with centres of excellence around the world and to ensure attractive conditions as a research location and as a research partner.
- **Cost of research infrastructures** and of entry into hi-tech fields of research is increasing. High infrastructure costs make international collaboration essential, even for the biggest players.
- International cooperation in transport worthwhile to undertake since it **shall create the conditions for more "breakthrough" research and achievements** that would otherwise require more time and resources if faced individually and separately

ECTRI and International cooperation

Major step: ECTRI-TRB MoU

MoU with TRB, signed 22 Jan. 2006, Washington, TRB Annual Session

1. Cooperation in mutual activities
Meeting, Conference, Working Groups,
Committees

2. Dissemination of information and research results

TR News, ECTRI Newsletter

3. Organization of, or participation in, select activities i.e.

- Young Researchers Seminar
- Joint Committee or WG on future transport research needs
- Participation of ECTRI in annual TRB Conference (booth, sessions, keynote speakers)



Activities are formalized through a two-year common **Action Plan** approved on an annual basis

ECTRI and International cooperation

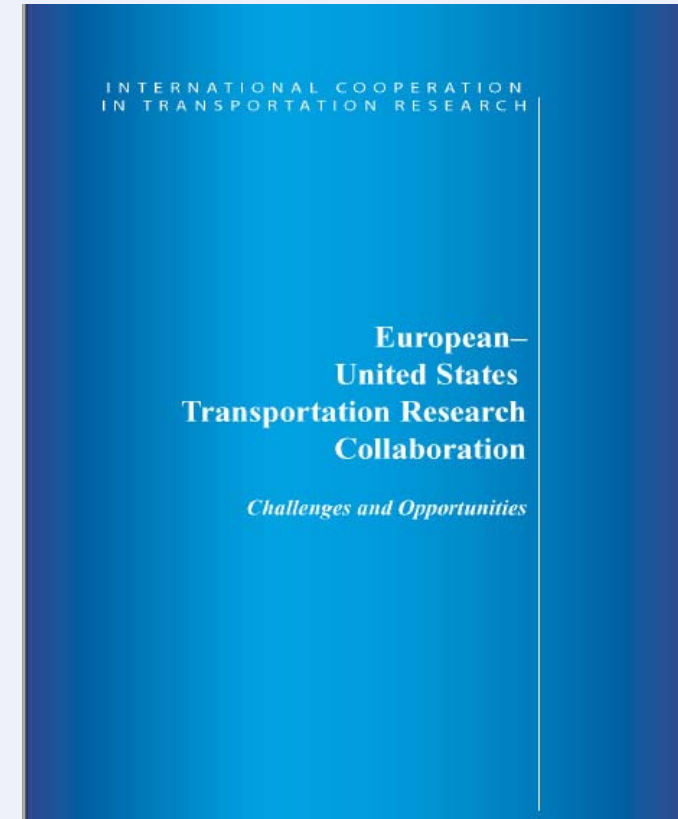
ECTRI-TRB MoU achievement

« ECTRI-TRB report » on EU/US Transport research collaboration: challenges and opportunities, Feb. 2009

Issues examined:

- Transport research environment on both sides of the Atlantic (research management, governance, financing)
- Barriers and prerequisites for cooperation
- Recommendations on ways and procedures to develop closer collaboration

Touched upon wider International Cooperation issues



Posted online at:

<http://www.ectri.org>

and

<http://onlinepubs.trb.org/onlinepubs/general/EU-USResearch.pdf>

ECTRI and International cooperation

Follow up initiative: EUTRAIN project



- Funded by European Commission (7th Framework Programme)
(Topic « *A productive international cooperation to strengthening the European Transport research Area and facing global challenges* »)
- Targeted countries: **USA***, China, Russia, India, South Africa, Japan, Mediterranean Countries – Tunisia & Egypt –, Turkey, Ukraine
- Starting Date: October 2011 / Duration: 2 years
- Budget: 908 199€
- Partners: ECTRI (Coordinator), ERTICO, FEHRL, EURNEX, VOLVO
- Website: www.eutrain-project.eu

* USA: involvement as “associate entities” of FHWA , FRA, TRB and University of Minesota (CTR)

ECTRI and International cooperation

Follow up initiative: EUTRAIN project

Objectives / Expected Outcomes

- Current practices – characteristics – and issues in international transport research cooperation in all countries examined
- Research topics and future priorities for international transport research cooperation as well as the capabilities for potential future cooperation with the EU in all countries examined
- Towards a Framework for EU international transport research cooperation (Topics, Organisational models and tools, and other Recommendations).



Main activities

- Bilateral fact finding meetings per countries (interview based on survey)
- Three regional Workshops in 2012 (Athens July 16 - Beijing, Sept. 6 - Russia, October) to collect further data and experiences
- Final Conference, September 2013, Brussels

Interested in the project's activities ?

→ become Member of the "Network of Related Entities"

ECTRI and dissemination of scientific results

ETRR: ECTRI sponsored scientific Journal

- An open access journal; wide availability to all researchers with a minimum of constraints and costs
- Provides focus on issues of special interest to European transport research, its funding bodies and supervising organisations
- First 3 Volumes (4 issues both) in 2009, 2010, 2011. First two issues in 2012.
- Published by  SpringerVerlag through contract with ECTRI
the language of science
- Journal website:
<http://www.springer.com/engineering/mechanical+engineering/journal/12544>
- For authors: online manuscript submission, review and tracking: <http://www.editorialmanager.com/etrr/>



In conclusions, main messages:

If YOU

... are interested in getting involved or knowing more about the activities presented

... are looking for further contacts, partnerships, exchanges with one or more major European Transport Research Institutes or Universities

ECTRI is ready to help.

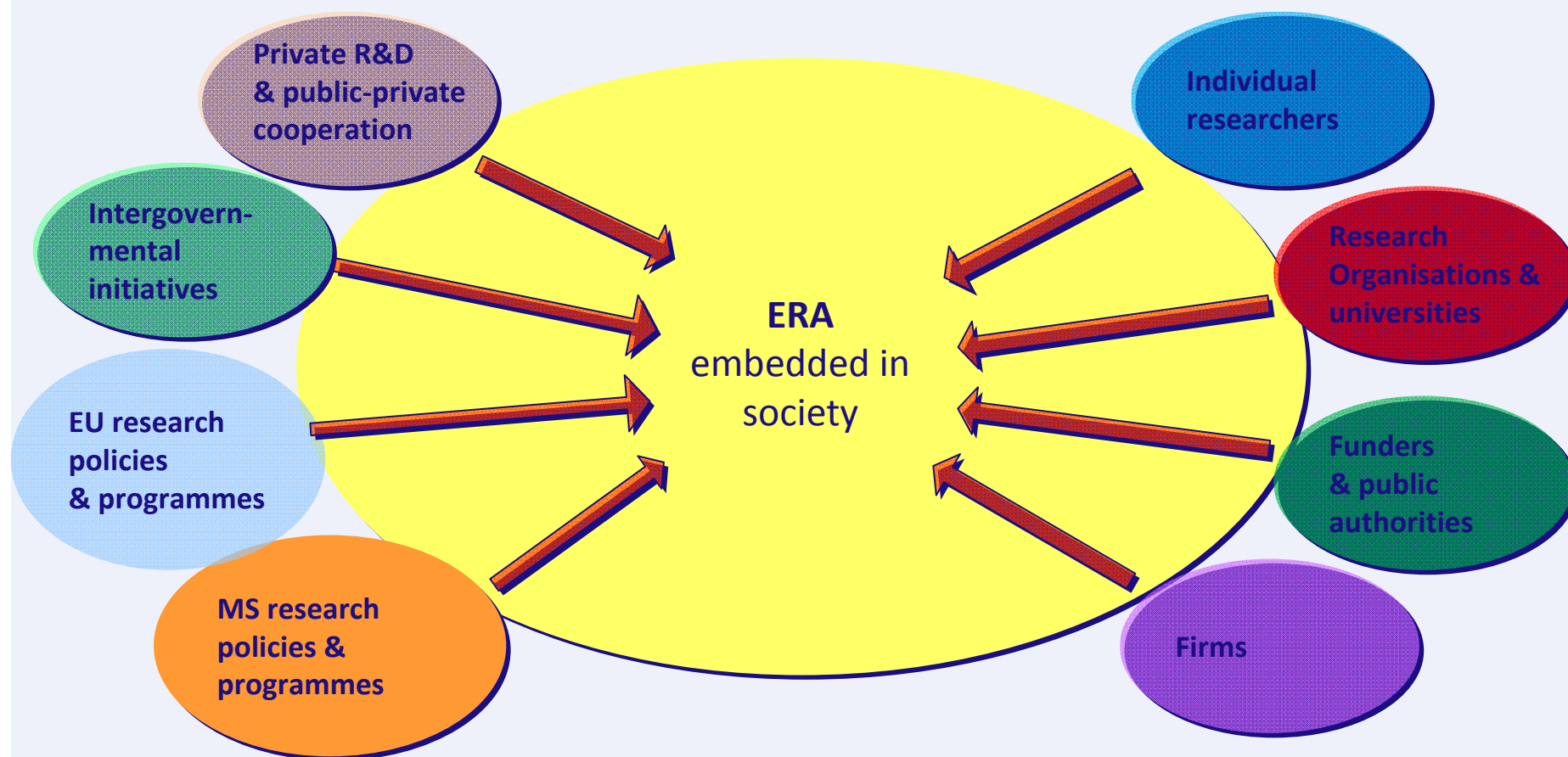
Thanks for your attention

www.ectri.org

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“European Research Area” (ERA) – basic features

ERA is about raising scientific **quality**, innovation **impact**, societal & citizen **relevance** of research in Europe via all forms of **cross-border** synergy



Source: EC

ERA in concrete terms ...

- A single market for knowledge
- Cross-border...
 - ... **flows** of researchers and scientific knowledge
 - ... **funding**
 - ... **cooperation, critical mass**
 - ... **opening** of national programmes
 - ... **access** to research capacities, infrastructures, results
 - ... **strategies & alliances** between research stakeholders
- EU-level governance
 - Transnational & cross-sectoral policy **coordination, common priorities, monitoring and evaluation**

Source: EC

More information http://ec.europa.eu/research/era/index_en.htm

ECTRI Members

Transport mode coverage



	AIT	BASt	CDV	CENIT	DLR	DTU transp.	DVS	Fhg-FVV	HIT	IFSTAR	ITS & IK	KTI	LET	LNEC	POLITO	SWOV	TNO	TØI	TRL	TTI	UPM	UV	VTI	VTT	VG TU TMI	VÜD
Road Transport																										
Rail Transport																										*
Waterborne Transport														*	*											
Air Transport				*						*				*				*					*			
Cross Cutting Work																										

* marginal

European Technology Platforms - ETPs

ACARE	Advisory Council for Aeronautics Research in Europe
ERRAC	European Rail Research Advisory Council
ERTRAC	European Road Transport Research Advisory Council
<i>WATERBORNE</i>	Waterborne (sea and inland waterways) TP
ESTP	European Space Technology Platform

Overview / links to all technology platforms on the TP webpage:

http://cordis.europa.eu/technology-platforms/home_en.html

Major Surface Transport Associations in Europe

Road – rail – sea and waterways

- ECTRI European Conference of Transport Research Institutes
- UITP International Union of Public Transport (world-wide)
- ERTICO Intelligent Transport Systems and Services Europe (multi-sector, public/private partnership) (**Predominantly road**)

Road

- EARPA European Automotive Research Partners Association
- FEHRL Forum of European National Highway Research Laboratories
- FERSI Forum of European Road Safety Research Institutes
- ACEA Association des Constructeurs Européens d'Automobiles
- EUCAR European Council for Automotive R & D
- CLEPA European Association of Automotive Suppliers

Rail

- CER The Community of European Railway and Infrastructure Companies
- EIM European Rail Infrastructure Managers
- UIC International Union of Railways
- UNIFE Association of European Railway Industries