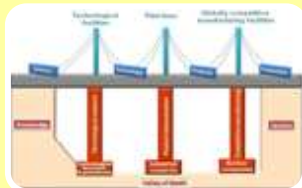


SMART GREEN AND INTEGRATED TRANSPORT

Dr. Marina Martínez García
Programme Officer H2020
Spanish Officer for Science and Technology, SOST-CDTI

≈ 80.000 M€ (subvención)

Programa Marco de Investigación e Innovación (2014-2020)



Excellent Science

European Research Council (ERC)

Future and Emerging Technologies (FET)

Marie Skłodowska-Curie and career development

European research infrastructures

Industrial Leadership

ICT

Nanotechnology

Biotechnology

Advanced Materials

Advanced Manufacturing & Processing

Space

Access to Risk Finance

Innovation in SMEs

Societal Challenges

Health, demographic change and wellbeing

Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy;

Secure, clean and efficient energy;

Smart, green and integrated transport;

Climate action, environment, resource efficiency and raw materials

Europe in a changing world-Inclusive, innovative and reflexive societies

Secure Societies: Protecting freedom and security of Europe and its citizens

Highlights about the WP 2016-2017

- ☐ Improving **energy/resource efficiency**, and **environmental & health** aspects
- ☐ Supporting the development & take-up of **automation in road transport**
- ☐ **Modernising infrastructure**
- ☐ Assessing the impacts & cost-effectiveness of new solutions to address the **mobility challenges in urban areas**
- ☐ Deployment of innovative **mobility solutions**, including through the use of **ICT & satellite navigation** technologies
- ☐ Optimising the **use of the infrastructure**, and redistributing passenger & freight traffic between transport modes
- ☐ Making quantum improvements in **safety** levels across the transport system
- ☐ Optimising the **efficiency & interoperability** of transport systems & operations
- ☐ **Anticipating technological developments** that have the potential to be **transformational**
- ☐ Understanding & managing the impact of **demographic trends**
- ☐ Assessing future requirements for **skills & jobs**

Types of actions

Tipos de acciones:

☐ RIA

☐ Prizes

☐ IA

☐ FTI

☐ SMEs Instrument

TRL 1 – basic principles observed

TRL 2 – technology concept formulated

TRL 3 – experimental proof of concept

TRL 4 – technology validated in lab

TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 7 – system prototype demonstration in operational environment

TRL 8 – system complete and qualified

TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)

☐ CSA → Pueden ser redes de usuarios o de excelencia, organización de eventos y reuniones, estudios o estados del arte, actividades de policy, etc.... No research!

☐ ERANET-COFUND

☐ TENDER → Licitaciones de servicios, estudios, ...

About the FTI...

- ❑ Mature solutions & close to market → **From TRL \approx 6 to TRL \approx 9 in 36 months max.**
- ❑ The solution has to **create added value at EU level (and beyond de EU)** → Market in EU and abroad (but not only abroad).
- ❑ Consortia
 - ❑ Between **3 –5 partners** (EU partners or associated country → Min. 3 different eligible countries) & **max. 3 M€ of EC requested** (2-3 years of project).
 - ❑ Any kind of partner → Industry, SMEs, Univ., Research/Tech Centres, **First-time applicants***...
 - ❑ Industry intensive:
 - ✓ either 2 out of 3/4 partners = private-for-profit
 - ✓ or 3 out of 5 partners = private-for-profit
 - ✓ or 60% of the budget of the proposal (=total estimated eligible costs) to be allocated to private-for-profit entities

Total of **100 M€ / year** of EC requested → **Between 50 to 70 projects approved per year** (3-calls) among all Societal Challenges and LEIT. → So they are expecting **projects of about 2M€ of EC requested**, basically, **duration around 1-2 years** and **1-2 projects approved per Societal Challenge & LEIT!!!!**

Expected success rate about 5-10%

Fast Track to Innovation Pilot

THE ULTIMATE BOOST FOR OUTSTANDING BUSINESS INNOVATORS WITH A NEED FOR SPEED...



*In a consortium with 3 or 4 partners, at least 2 should be industry, and in a consortium with 5 partners, at least 3; alternatively at least 60% of the project budget should be allocated to industry (i.e. private for profit entities)

... AND EAGER TO COMPETE ON GLOBAL MARKETS...!

ACTIVITIES SUPPORTED

Systems validation in real working conditions – Testing – Piloting – Business model validation – Standard setting – Pre-normative research – EU quality label

Alineación con las políticas UE...

Tanto el programa de trabajo como cualquier acción (proyecto) se debe alinear con las líneas generales de trabajo de la nueva Comisión Europea (JC Juncker).

❑ *A new Boost for Jobs, Growth & Investment → cPPP Green Vehicles*

❑ *A Connected Digital Single Market → Automated Road transport area*

❑ *Towards an Energy Union with a forward-looking climate policy → Low carbon economy & smart cities contribution*



Qué destacamos en WP SEC 2016-2017?

Call Mobility for Growth



SMART, GREEN & INTEGRATED TRANSPORT			1. Resource efficient transport that respects the environment	2. Better mobility, less congestion, more safety & security	3. Global leadership for the European transport industry	4. Socio-economic & behavioural research & forward looking activities for policy
Transport modes	Aviation	↑ AREAS / ACTIVITIES ↓	1.1. Cleaner & quieter aircraft, vehicles & vessels	2.1. Reduction of traffic congestion	3.1. Next generation of transport means	4.1. Data, models & scenarios
	Rail					
	Road					
	Waterborne					
Integration & cross-modal aspects	Safety		1.2. Smart equipment, infrastructures & services	2.2. Mobility of people & freight	3.2. Smart control systems	4.2. User needs & behaviour
	Urban					
	Logistics					
	ITS		1.3. Improving transport & mobility in urban areas	2.3. New concepts of freight transport & logistics	3.3. Advanced production processes	4.3. Transport economics
	Infrastructure					
	Socio-economics					
				2.4. Reducing accident rates & fatal casualties & improving security	3.4. Exploring entirely new transport concepts	4.4. Policy support

Opening dates⁴²: 30/09/2015 for 2016 topics
30/09/2016 for 2017 topics

Deadlines⁴³:

Topics	Dates	
MG-1.5, MG-3.1, MG-3.6, MG-4.4, MG-5.3, MG-6.3, MG-8.1, MG-8.3, MG-8.6	Single stage 26/01/2016 at 17.00.00 Brussels time	
MG-1.5, MG-4.3, MG-5.4(CSA part), MG-7.3(CSA part), MG-8.2, MG-8.4, MG-8.5		Single stage 02/02/2017 at 17.00.00 Brussels time
MG-1.1, MG-1.4, MG-2.2, MG-2.3, MG-3.3, , MG-3.4, MG-3.5, MG-4.5, MG-5.1, MG-6.1, MG-6.2	First stage 20/01/2016 at 17.00.00 Brussels time	Second stage 29/09/2016 at 17.00.00 Brussels time
MG.1.2, MG-1.3, MG-1.4, MG-2.1, MG-2.4, MG-3.2, MG-4.1, MG-4.2, MG-5.2, MG-5.4(RIA part), MG-7.1, MG-7.2, MG-7.3(RIA part)	First stage 26/01/2017 at 17.00.00 Brussels time	Second stage 19/10/2017 at 17.00.00 Brussels time

Aviation

1. Resource efficient transport that respects the environment	2. Better mobility, less congestion, more safety & security	3. Global leadership for the European transport industry	4. Socio-economic research & forward looking activities
Improving resource efficiency		⇒⇒⇒	
Reducing aviation noise		⇒⇒⇒	
	Enhancing safe & seamless mobility		
		Maintaining industrial leadership	
⇐⇐⇐	⇐⇐⇐	Breakthrough innovation	
			Broadening participation in aviation research
⇐⇐⇐	⇐⇐⇐		Aviation research infrastructure needs
⇐⇐⇐	⇐⇐⇐	⇐⇐⇐	Gaps & barriers in the ACARE SRIA
[Clean Sky 2]	[SESAR 2]	⇒⇒⇒	

Waterborne

1. Resource efficient transport that respects the environment	2. Better mobility, less congestion, more safety & security	3. Global leadership for the European transport industry	4. Socio-economic research & forward looking activities
Energy efficiency & emission control		⇒⇒⇒	
Materials for ships & equipment		⇒⇒⇒	
⇐⇐⇐	⇐⇐⇐	New & improved transport concepts in waterborne	
		High-value & value-added specialised vessels	
⇐⇐⇐		[Blue Growth]	

WATERBORNE	18
MG-2.1-2017. Innovations for energy efficiency and emission control in waterborne transport.....	18
MG-2.2-2016. Development, production and use of high performance and lightweight materials for vessels and equipment.....	19
MG-2.3-2016. New and improved transport concepts in waterborne transport.....	20
MG-2.4-2017. Complex and value-added specialised vessels.....	21

- ☐ **MG-2.1:** Up to 4-8 projects under IA scheme of 5-9 M€ EC requested each
→ Include remote sensing techniques for environmental impact monitoring.
- ☐ **MG-2.2:** Up to 4-5 projects under IA scheme of 7-9 M€ EC requested each
- ☐ **MG-2.3:** Up to 3-6 projects under RIA scheme of 6-12 M€ EC requested each
→ Include GNSS services and SMEs
- ☐ **MG-2.4:** Up to 3-5 projects under IA scheme of 8-12 M€ EC requested each
→ SMEs welcome!

Welcome to WATERBORNE^{TP}

The European Technology Platform WATERBORNE is a forum where all stakeholders from the waterborne sector (sea & inland) define and share a common Vision and a Strategic Research Agenda, driving the necessary innovation efforts forward.

MARITIME EUROPE STRATEGY ACTION (MESA) is supporting WATERBORNE^{TP}

Maritime Europe Strategy Action

Documents

Newsletter

Enter



WATERBORNE^{TP}

Ya estamos preparando el WP-2018...

WATERBORNE^{TP}



***** To all members of the WATERBORNE Blue Growth Working Group *****

Dear All,

Following the submission of the BG-03 proposal, a normal WGBG meeting will be organized. Please save the date on the 8th of March. We will convene in brussels from 10 to 17h.

We will discuss the following points :

1. Feedback from the BG-03 proposal and the way forward,
2. BG-04-2017 and the strategy to address it,
3. Presentation of the revived WTAERBORNE^{TP} structure,
4. Discussion on the incoming consultation from the Commission for elaborating Work Programmes 2018-2019-2020,
5. Blue Growth SRA exercise and SETRIS project.

Please, do confirm your attendance by the 25th of February.

Safety

1. Resource efficient transport that respects the environment	2. Better mobility, less congestion, more safety & security	3. Global leadership for the European transport industry	4. Socio-economic research & forward looking activities
	Protection of all road users in crashes		⇒⇒⇒
⇐⇐⇐	Safer waterborne transport & maritime operations		
	Infrastructure to increase safety levels		⇒⇒⇒
	⇐⇐⇐		Behavioural aspects for safer transport
⇐⇐⇐	[Automated Road transport]	⇒⇒⇒	⇒⇒⇒

SAFETY.....	23
MG-3.1-2016. Addressing aviation safety challenges.....	23
MG-3.2-2017. Protection of all road users in crashes.....	24
MG-3.3-2016. Safer waterborne transport and maritime operations.....	26
MG-3.4-2016. Transport infrastructure innovation to increase the transport system safety at modal and intermodal level (including nodes and interchanges).....	27
MG-3.5-2016. Behavioural aspects for safer transport.....	29
MG-3.6-2016. Euro-African initiative on road safety and traffic management.....	30

- ❑ **3.2-2017 → Up to 2-3 projects under RIA scheme of 4-9 M requested each → SMEs with proven experience in these areas is encouraged as well links with national initiatives and extra-EU collaborations (US, Japan, Canada, Australia) and emerging economies (primarily China, India, Brazil). **New safety systems well onboard, personal protection and crash simulation tools (one or several of these).****
- ❑ **3.3.-2016 → Up to 3-4 projects under RIA scheme of 5-7 M€ EC requested each → Aim to conclude recommendations for further regulations at international level.**
- ❑ **3.4-2016 → Up to 3-6 projects under RIA scheme of 2-5 M€ EC requested each → SMEs are strongly recommended & collaboration with US entities in the field.**
- ❑ **3.5-2016 → Up to 3-4 projects under RIA scheme of 4-9 M€ EC requested each → SMEs are strongly recommended & collaboration with US entities in the field but los indstrialized and emerging countries.**

International cooperation encouraged!

Urban Mobility

1. Resource efficient transport that respects the environment	2. Better mobility, less congestion, more safety & security	3. Global leadership for the European transport industry	4. Socio-economic research & forward looking activities
⇐⇐⇐	Take-up of solutions for sustainable mobility	⇒⇒⇒	
Supporting "smart mobility & power" in cities	⇒⇒⇒	⇒⇒⇒	
	Integrating urban nodes in the TEN-T corridors	⇒⇒⇒	
⇐⇐⇐	⇐⇐⇐	Public procurement of mobility solutions	
⇐⇐⇐	⇐⇐⇐	⇐⇐⇐	Neighbourhood-level transport innovations
ELENA contribution: greater energy efficiency		⇒⇒⇒	⇒⇒⇒
⇐⇐⇐	⇐⇐⇐	⇐⇐⇐	[ELTIS urban mobility observatory]
⇐⇐⇐	[Smart Cities & Communities]	⇒⇒⇒	

CIVITAS FORUM 2016 - Gdynia, Poland

The 14th edition of the annual CIVITAS Forum Conference will take place between 28th and 30th September 2016 in Gdynia, a model city for sustainable urban transport in Poland!

Read more →



News

Funding opportunities



Save the Date: CIVITAS Forum
Conference 2016 on September 28th-
30th in Gdynia

Book your agendas & further details about the
registration, programme and...



Apply for an EU Sustainable Energy
Award

Awards are available for one or more of these
categories: consumers, public...

European Cycling Challenge takes place

28/09/2016 to 30/09/2016

CIVITAS FORUM 2016

CIVITAS Annual Conference | September 28-30 | Gdynia, Poland

SHAPING THE MOBILITY OF TOMORROW

It is a great pleasure to invite the CIVITAS community to the CIVITAS FORUM Conference 2016 on 28-30 September in Gdynia, with the theme "SHAPING THE MOBILITY OF TOMORROW". The event will gather hundreds of CIVITAS stakeholders from around Europe, all of whom are devoted to the development of sustainable urban mobility in their cities. The three-days programme of the conference will offer collaborative workshops, state-of-the-art presentations and interesting site visits. It is also our pleasure to announce that Vice-President of the EC Energy Union Šefčovič will be present at the opening day on of the conference.



Together with Gdańsk and Sopot, Gdynia forms a very modern and competitive Tri-city Metropolitan Area, which belongs to the largest, most diverse and most commonly visited urban areas in Poland. The choice of Gdynia for the host city of 2016 Conference has a natural continuum for the city's dedication to its fully

CIVITAS Forum Conference 2016

CIVITAS Forum Conference 2016

The registration to the CIVITAS
Forum Conference 2016 is not
open yet

Please contact the secretariat
secretariat@civitas.eu if you have
any question

Quick links

City of Gdynia

Mobility solutions

Awards

Learn about Europe's highest
awards for clean urban
transport

Contact

For further information go

URBAN MOBILITY.....33

MG-4.1-2017.	Increasing the take up and scale-up of innovative solutions to achieve sustainable mobility in urban areas.....	33
MG-4.2-2017.	Supporting 'smart electric mobility' in cities.....	35
MG-4.3-2017.	Innovative approaches for integrating urban nodes in the TEN-T core network corridors.....	36
MG-4.4-2016.	Facilitating public procurement of innovative sustainable transport and mobility solutions in urban areas.....	37
MG-4.5-2016.	New ways of supporting development and implementation of neighbourhood-level and urban-district-level transport innovations.....	39

- ❑ **4.1-2017** → IAs related with the CIVITAS 2020 initiative and solution tested in 5 small cities, with scalability upto 10 cities of similar magnitude & concerns. → No project without real involvement of the local government!
- ❑ **4.2-2017** → IAs showing that innovative solutions rather and buying already existing electric solutions. Show future investment plans!
- ❑ **4.3-2017** → Recommendation of future topics in the CEF-Transport WPs
- ❑ **4.4-2016** → CSA previous to a Pre-Commercial Procurement thus, actors involved use to be public entities with purchasing capacity (not “normal” participants).

Logistics

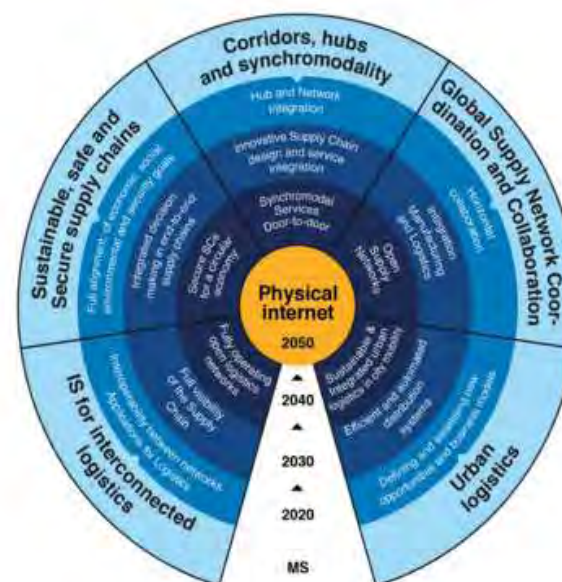
1. Resource efficient transport that respects the environment	2. Better mobility, less congestion, more safety & security	3. Global leadership for the European transport industry	4. Socio-economic research & forward looking activities
⇐⇐⇐	Networked & efficient logistics clusters	⇒⇒⇒	
	Innovative ICT solutions for future logistics operations	⇒⇒⇒	
⇐⇐⇐	⇐⇐⇐	⇐⇐⇐	Towards Eco-labels for logistics
	⇐⇐⇐	Potential of the Physical Internet	⇒⇒⇒

ETP-Alice

The European Technology Platform ALICE is set-up to develop a comprehensive strategy for research, innovation and market deployment of logistics and supply chain management innovation in Europe.

The platform will support and assist the implementation of the EU Program for research: Horizon 2020.

ALICE is based on the recognition of the need for an overarching view on logistics and supply chain planning and control, in which shippers and logistics service providers closely collaborate to reach efficient logistics and supply chain operations.



5. LOGISTICS.....	42
MG-5.1-2016: Networked and efficient logistics clusters	42
MG-5.2-2017: Innovative ICT solutions for future logistics operations	43
MG-5.3-2016: Promoting the deployment of green transport, towards Eco-labels for logistics.....	45
MG-5.4-2017: Potential of the Physical Internet	47

ITS

1. Resource efficient transport that respects the environment	2. Better mobility, less congestion, more safety & security	3. Global leadership for the European transport industry	4. Socio-economic research & forward looking activities
	Towards "mobility as a service"		⇒⇒⇒
	Large-scale demonstration of cooperative ITS	⇒⇒⇒	
	⇐⇐⇐	⇐⇐⇐	Business models, awareness raising, support & incentives
⇐⇐⇐	[Automated Road transport]	⇒⇒⇒	⇒⇒⇒

INTELLIGENT TRANSPORT SYSTEMS 48

MG-6.1-2016. Innovative concepts, systems and services towards 'mobility as a service' 48

MG-6.2-2016. Large-scale demonstration(s) of cooperative ITS 50

Se pretende aprobar unas 5-7 ideas de servicios innovadores en movilidad de unos 3-3,5 M€ cada una (RIAs). Incluir autoridades de gestión de transporte, asociaciones de usuarios, inversores, ...

TOGETHER WE BRING INTELLIGENCE INTO MOBILITY

READ MORE

ERTICO - ITS Europe is a partnership of around 100 companies and institutions involved in the production of Intelligent Transport Systems (ITS). Together, ERTICO Partners conduct a range of activities to develop and deploy ITS to save lives, protect the environment and sustain mobility in the most cost-effective way

PROJECTS

PLATFORMS

INTEREST

EVENTS

ADVOCACY

[ertico.com](#)

[www.erticonetwork.com](#)

[itsineurope.com](#)



[Congress](#) [Programme](#) [Sponsors & Exhibition](#) [Registration](#) [Demonstrations](#) [Media](#) [Contacts](#)

11th ITS European Congress, 6-9 June

Delivering future cities now



División
Programas de la UE

Infrastructure

1. Resource efficient transport that respects the environment	2. Better mobility, less congestion, more safety & security	3. Global leadership for the European transport industry	4. Socio-economic research & forward looking activities
Resilience to extreme events	⇒⇒⇒		
⇐⇐⇐	Optimisation of transport infrastructure		
⇐⇐⇐	⇐⇐⇐	The Port of the future	
⇐⇐⇐	[Automated Road transport]	⇒⇒⇒	⇒⇒⇒

INFRASTRUCTURE 53

MG-7.1-2017.	Resilience to extreme (natural and man-made) events	53
MG-7.2-2017.	Optimisation of transport infrastructure multi-modal corridors and terminals	55
MG-7.3-2017.	The Port of the future	56

Topics en coordinación con la EU-Connecting Facility Transport (TEN-T) donde se considera la colaboración internacional (bien con USA, bien con los países del Mediterráneo).



EUROPEAN SEA PORTS ORGANISATION V.Z.W./A.S.B.L.

[Home](#) [Contact us](#) [Sitemap](#) [Links](#) [Members only](#)

search... 



[About ESPO](#) [Policy Papers](#) [Publications](#) [Projects](#) [Statistics](#) [Events](#) [Press](#) [Multimedia](#)

ESPO Annual Report 2015



The ESPO 2015 Annual Report with an overview of policy developments, statistics and ESPO activities from the past year is available.



Welcome to the ESPO website

The European Sea Ports Organisation was founded in 1993. It represents the port authorities, port associations and port administrations of the seaports of the Member States of the European Union and Norway. ESPO has also observer members in several neighbouring countries to the EU.

The European Union simply cannot function without its seaports. 90 % of Europe's cargo trade in goods passes through the more than

ESPO Press

[All Press](#) 

ESPO Tweets

[All tweets](#) 

Port of the
29-01-2016
As Finland's
of great imp
while const
and happen
and of the
at the same
in unities
engaged in
interesting

European Ports Work



This 2nd edition highlights the vital role that ports play in Europe's social, economic and environmental development.

[Home](#) [Multimedia](#) [Image library](#)



Events

2016 ESPO Conference - Dublin



The European Sea Ports Organisation (ESPO) is inviting its members, policy makers and stakeholders to join in the 13th edition of its annual conference, which is being organised in co-operation with Dublin Port. The 13th edition of the conference will take place on 2 and 3 June 2016.

The 2016 ESPO Conference will look into ways to improve the efficiency of maritime transport and ports, this from different angles: How to remove the remaining barriers in maritime transport? How to set the digital agenda for ports? How can ports benefit from new trade agreements?

More information about the ESPO Conference will follow. In the meantime, please have a look at the [clip about Dublin Port](#). To know more about the ESPO Conference, please follow us on [Twitter](#), [ESPO Press](#) and [ESPO Website](#).

Background information:

Every year, ESPO organizes a conference open to anyone interested in transport issues. In 2015, the ESPO Conference took place in Athens in collaboration with the Port of Piraeus. The theme of the conference was "Ports and Energy".

Presentations of the conference: [here](#)

Socio-economics

SOCIO-ECONOMIC AND BEHAVIOURAL RESEARCH AND FORWARD LOOKING ACTIVITIES FOR POLICY MAKING 58

MG-8.1-2016.	Research, technology development and market trends for the European transport manufacturing industries.....	58
MG-8.2-2017.	Big data in Transport: Research opportunities, challenges and limitations.....	59
MG-8.3-2016.	Assessing future requirements for skills and jobs across transport modes and systems.....	61
MG-8.4-2017.	Improving accessibility, inclusive mobility and equity: new tools and business models for public transport in prioritised areas.....	62
MG-8.5-2017.	Shifting paradigms: Exploring the dynamics of individual preferences, behaviours and lifestyles influencing travel and mobility choices.....	64
MG-8.6-2016.	Innovation awards for students and researchers in the context of the Transport Research Arena conference - TRA 2018	66

Call Automated Road Transport





European automotive industry and Commissioner Oettinger jointly call for more research and innovation in the field connected road transport

Brussels, 5 November 2015 – Under the theme of 'connected to the future' the European Council for Automotive R&D (EUCAR) brought almost 300 stakeholders together during its annual conference, with the aim of ensuring that automotive research and innovation (R&I) continues to strengthen Europe's competitiveness. One year after the implementation of Horizon 2020, it proves more vital than ever to address the industry's strategic priorities and societal challenges through common R&I initiatives. Opening today's conference, EUCAR Chairwoman Anke Kleinschmit, Vice President Group...

[READ MORE](#)



NEWS

ABOUT EUCAR

RESEARCH & INNOVATION

PUBLICATIONS

CONTACT

MEMBERS LOGIN

**EUCAR Annual Assembly,
early November each year!**



EUCAR 2015 Conference & Reception “Connected to the future”

Mittwoch, November 4, 2015 - 12:00

Brüssel

Parc du Cinquenaire 11

CONFERENCE | NOVEMBER 4, 2015

13.30 - 19.00 | 12.00 Get together with lunch and exhibition

The connected vehicle is product and service. It is the response to changing consumer and user needs in a digitised society. The EUCAR members research and develop the technological innovations for the mobility of the future.

RECEPTION | NOVEMBER 4, 2015

19.00 – 22.00

Günther H. Oettinger

Commissioner for Digital Economy and Society

1. Resource efficient transport that respects the environment	2. Better mobility, less congestion, more safety & security	3. Global leadership for the European transport industry	4. Socio-economic research & forward looking activities
	ICT enabled transition towards automation	⇒⇒⇒	
	Automation pilots for personal/commercial vehicle	⇒⇒⇒	
⇐⇐⇐	⇐⇐⇐	⇐⇐⇐	SA for Field Operational Tests of Automation
	Safety & end-user acceptance of automation		⇒⇒⇒
	Automation in densely used areas & networks		⇒⇒⇒
	Road infrastructure for the transition to automation		⇒⇒⇒
⇐⇐⇐	⇐⇐⇐	⇐⇐⇐	Coordination of activities & impact study

Integrating outcomes from Galielo, ECSEL, IoT, ... To provide end-to-end solutions!

Opening dates⁵⁹: 30/09/2015 for 2016 topics

30/09/2016 for 2017 topics

Deadlines⁶⁰:



Topics	Dates	
ART-0.6	Single stage 26/01/2016 at 17.00.00 Brussels time	
ART-0.2, ART-0.4, ART-0.5	First stage 20/01/2016 at 17.00.00 Brussels time	Second stage 29/09/2016 at 17.00.00 Brussels time
ART-0.1, ART-0.3, ART-0.7	First stage 26/01/2017 at 17.00.00 Brussels time	Second stage 28/09/2017 at 17.00.00 Brussels time

Bringing together automotive & ICT actors in one or more bullets!!!!
 IAs from 4 to 15 M€ EC req. (50 M€ / topic) → Demonstration, validation
 & test at real scale of cost effective solutions V2V or V2X. Standardisation &
 policy issues to be dealt.

Call - 2016-2017 Automated Road Transport..... 73

ART-01-2017: ICT infrastructure to enable the transition towards road transport automation.....	74
ART-02-2016: Automation pilots for passenger cars	76
ART-03-2017: Multi-Brand platooning in real traffic conditions	78
ART-04-2016: Safety and end-user acceptance aspects of road automation in the transition period.....	79
ART-05-2016: Road infrastructure to support the transition to automation and the coexistence of conventional and automated vehicles on the same network	81
ART-06-2016: Coordination of activities in support of road automation.....	82
ART-07-2017: Full-scale demonstration of urban road transport automation.....	84

Heavy duty vehicles for long-distance demonstrations of 15-20 M€ EC req.

Big Demonstration actions (18-36 M€ EC req) in Field Operational Tests in
 at least 3 dif countries (cross border test as well).

RIAs of 3-6 M€ EC req for driver expectances and user-centric approach to address one or more bullet points ! → Check US DoT already funded projects on automated transport & driving. Inputs for the next Transport White Paper are required.

Call - 2016-2017 Automated Road Transport..... 73

ART-01-2017: ICT infrastructure to enable the transition towards road transport automation..... 74

ART-02-2016: Automation pilots for passenger cars..... 76

ART-03-2017: Multi-Brand platooning in real traffic conditions 78

ART-04-2016: Safety and end-user acceptance aspects of road automation in the transition period..... 79

ART-05-2016: Road infrastructure to support the transition to automation and the coexistence of conventional and automated vehicles on the same network 81

ART-06-2016: Coordination of activities in support of road automation..... 82

ART-07-2017: Full-scale demonstration of urban road transport automation..... 84

Big urban demonstrator on automated transport in cities. → Transport authorities & municipalities involved!

CSAs for collecting experiences on FOTs at national and EU level (looking also towards what is being done in US).

RIAs of 2-5 M€ EC req for modelling, designing and engineering urban and extra-urban scenarios have to perform when automated and conventional vehicles may co-exist.

Call European Green Vehicles Initiative





EGVI

European Green
Vehicles Initiative

[Home](#)[About the EGVI PPP](#)[About EGVI](#)[Funding](#)[Projects](#)[Events](#)[Documents](#)[News Room](#)[Contacts](#)

The European Green Vehicles Initiative is a contractual public-private partnership dedicated to delivering green vehicles and mobility system solutions which match the major societal, environmental and economic challenges ahead. With a focus on the energy efficiency of vehicles and

LATEST DOCUMENTS

[VIEW ALL](#)

➤ Transport Work Programme 2014-2015

The Horizon 2020 - Transport Work Programme 2014-2015 was published on 11 December. For

[CONTACT](#)[Linked in](#)[MEMBERS AREA](#)[Welcome](#)[What is ERTRAC?](#)[Documents/
Publications](#)[National Technology
Platforms](#)[Working Groups](#)[Support Actions](#)[European Research
Funding](#)

You are here: Welcome

Welcome to ERTRAC!

ERTRAC is the European Road Transport Research Advisory Council. It is the European technology platform which brings together road transport stakeholders to develop a common vision for road transport research in Europe.

EVENTS

2/03 ERTRAC Plenary

18-21/04 TRA2016 Conference

NEWS

TRIP portal relaunch

Transport Research
Portal @ www.transportresearch.info

[CONTACT](#)[Linked in](#)[MEMBERS AREA](#)[Welcome](#)[What is ERTRAC?](#)[Documents/
Publications](#)[National Technology
Platforms](#)[Working Groups](#)[Support Actions](#)[European Research
Funding](#)

You are here: Working Groups - ERTRAC Working Groups

ERTRAC Working Groups

[Urban Mobility](#)[Long Distance Freight Transport](#)[Energy & Environment](#)[Road Transport Safety & Security](#)[Global Competitiveness](#)[Connectivity and Automated
Driving](#)

ERTRAC Working Groups

The ERTRAC Working Groups consist of experts coming from the ERTRAC members. The ERTRAC documents are prepared within these Working Groups, such as Scenarios, the Strategic Research Agenda and the research roadmaps.

The Working Groups are managed and chaired by Working Group Leaders, selected from the ERTRAC members. Workshops are organized on a regular basis, with the possibility to invite external experts. Currently, there are 6 Working Groups

- Urban Mobility
- Long Distance Freight Transport
- Energy & Environment
- Road Transport Safety & Security
- Global Competitiveness
- Connectivity and Automated Driving

Task Forces can also be created to tackle specific topics not covered by the Working Groups.



División
Programas de la UE

1. Resource efficient transport that respects the environment	2. Better mobility, less congestion, more safety & security	3. Global leadership for the European transport industry	4. Socio-economic research & forward looking activities
Optimisation of HD vehicles for alternative fuels use		⇒⇒⇒	
⇐⇐⇐		Optimised hybridisation & range extenders	
⇐⇐⇐		Next generation electric drivetrains	
EV interior redesign for optimised efficiency		⇒⇒⇒	
High energy density battery packs		⇒⇒⇒	
⇐⇐⇐		Multi-level modelling & testing of xEVs	

1. Resource efficient transport that respects the environment	2. Better mobility, less congestion, more safety & security	3. Global leadership for the European transport industry	4. Socio-economic research & forward looking activities
⇐⇐⇐		Super-fast & smart charging of electric vehicles	
Electrified heavy duty vehicles		⇒⇒⇒	
⇐⇐⇐	⇐⇐⇐	Aerodynamic & flexible trucks	
Integration in urban system of L-category EVs (pilot)	⇒⇒⇒	⇒⇒⇒	
⇐⇐⇐	⇐⇐⇐	⇐⇐⇐	European R&D for future road technologies
[Weight reduction of high-volume vehicles]		⇒⇒⇒	

Charging infrastructures demonstrators in urban & peri-urban scenarios for common transport means (buses) and duty vehicles (i.e., trucks) in order to establish the future global standards (US & Japan experiences should be considered).

GV-01-2017.	Optimisation of heavy duty vehicles for alternative fuels use.....	88
GV-02-2016.	Technologies for low emission light duty powertrains.....	90
GV-03-2016.	System and cost optimised hybridisation of road vehicles	91
GV-04-2017.	Next generation electric drivetrains for fully electric vehicles, focusing on high efficiency and low cost.....	92
GV-05-2017.	Electric vehicle user-centric design for optimised energy efficiency.....	94
GV-06-2017.	Physical integration of hybrid and electric vehicle batteries at pack level aiming at increased energy density and efficiency	95
GV-07-2017.	Multi-level modelling and testing of electric vehicles and their components	96
GV-08-2017.	Electrified urban commercial vehicles integration with fast charging infrastructure.....	97
GV-09-2017.	Aerodynamic and flexible trucks.....	99
GV-10-2017.	Demonstration (pilots) for integration of electrified L-category vehicles in the urban transport system	100
GV-11-2016.	Stimulating European research and development for the implementation of future road transport technologies.....	102
GV-12-2016.	ERA-NET Co-fund on electromobility	103

CSA supporting **ERTRAC-ETP**

Other Actions

1.	Inducement prize for the cleanest engine retrofit.....	109
2.	Inducement prize for the cleanest engine of the future.....	111
3.	External expertise for monitoring	113
4.	External expertise to advise on EU research and innovation policy.....	114
5.	Sustainable infrastructure charging.....	114
6.	ELTIS: supporting exchange of knowledge, information and experiences in the field of urban mobility	115
7.	The role of urban mobility in supporting the 2011 White Paper objectives - data collection.....	116
8.	Establishment of Transport Research and Innovation Monitoring and Information System	117
9.	Dissemination and exploitation of results.....	118
10.	Support to the development, implementation, monitoring and evaluation of transport research and innovation policy activities	118
11.	Contribution to the EIB-ELENA Facility for the project development assistance: Deployment of transport innovations that lead to greater energy efficiency in urban areas.....	119

SMEs Instrument in Transport...

Small business innovation research for transport and smart cities mobility

- ❑ Sustainable and smarter mobility, better accessibility and logistics serving business and citizens, and thus higher economic growth, in a context where the majority of population lives in urban and urbanised areas.
- ❑ Actions to develop new services, products, processes, technologies, systems and combinations thereof that contribute to achieving the European transport and mobility goals defined in the 2011 Transport White Paper :
 - ❑ The use of 'conventionally-fuelled' cars in cities by 2030;
 - ❑ Achieving essentially CO₂ free logistics in major urban centres by 2030;
 - ❑ Halving the number of road deaths by 2020.

Deadlines for all themes				
Phase 1	24/02/2016	03/05/2016	07/09/2016	09/11/2016
	15/02/2017	03/05/2017	06/09/2017	08/11/2017
Phase 2	03/02/2016	14/04/2016	15/06/2016	13/10/2016
	18/01/2017	06/04/2017	01/06/2017	18/10/2017



Last but not least...



6th European Transport Research Conference **MOVING FORWARD:** Innovative Solutions for Tomorrow's Mobility

PGE Narodowy, Warsaw, Poland - 18-21 April 2016



COUNTDOWN TO TRA2016

08	00	14	59	29
weeks	days	hours	minutes	seconds



[HOME](#) [ABOUT TRA](#) [PROGRAMME](#) [REGISTRATION](#) [SPONSORSHIP & EXHIBITION](#) [PRESS](#) [PRACTICAL INFORMATION](#)



REGISTRATION TO TRA2016 CONFERENCE

PGE Narodowy

NEWS

Just over one week to book your TRA2016 booth at a reduced rate

19 February 2016


TRA Marketplace/Results Forum to bring your results to market!

19 February 2016

TRA2016 concludes media partnership agreement with Railway Pro

19 February 2016

About this site | Legal notice | Contact | Search | English (en) ▼



MOBILITY AND TRANSPORT

European Commission

European Commission > Transport > Transport modes > Road > Events

[Home](#) [Transport modes](#) [Transport themes](#) [Media corner](#) [Facts & fundings](#) [About us](#)

Road

Events

2016 Road Transport Conference

Charlemagne Building, Brussels

Tuesday 19 April 2016, 9:30 – 16:30

Objective

The conference will gather representatives from Member States, Members of the European Parliament and key stakeholders for a day of intensive discussions and workshops to discuss the planned Road Initiatives as announced in the 2016 Commission Work Program.

Key topics for the EU Road Transport's agenda

- Workshop 1: Internal Market and Social aspects of road transport
- Workshop 2: Road Charging – price signals and interoperability of electronic tolling systems

High level participation

The conference will be opened by Ms Violeta Bulc, European Commissioner for Transport, together with Mr Michael

Road

- › Road Safety
- › Rules governing access to the profession
- › Haulage
- › Passenger transport
- › Road charging
- › Social provisions
- › Weights and dimensions
- › Parking areas
- › Non EU-countries
- › Links
- › Studies

Inicio / Retos sociales / Transporte inteligente, ecológico e integrado

- Salud, cambio demográfico y bienestar
- Seguridad alimentaria, agricultura y silvicultura sostenibles, investigación marina, marítima y de aguas interiores y bioeconomía
- Energía segura, limpia y eficiente

• Transporte inteligente, ecológico e integrado

El desarrollo de un nuevo sistema de transporte inteligente, ecológico e integrado es una de los siete retos sociales identificados por la Comisión Europea en el programa Horizonte 2020.

El objetivo fundamental de este reto es lograr un sistema europeo de transporte más eficaz en el uso de los recursos, que sea respetuoso con el clima y el medio ambiente y funcione con seguridad y sin fisuras en beneficio de todos los ciudadanos, la economía y la sociedad.

Las actividades se organizarán de tal manera que permitan un planteamiento integrado y específico por modos, según proceda. Será necesario lograr una visibilidad y continuidad de carácter plurianual para tener en cuenta las especificidades de los distintos modos de transporte y la naturaleza holística de los retos, así como los aspectos pertinentes de los programas estratégicos de investigación e innovación de las Plataformas Tecnológicas Europeas.

SERVICIOS

- Contacto / Buzón
- Listas de distribución
- Enlaces de interés
- Eventos
- Noticias
- Convocatorias
- Ayudas de Preparación de Propuestas (APC)
- Listado de correos informativos
- Inicio

- ❑ Representante → Julio Dolado, CDTI (julio.dolado@cdti.es)
- ❑ Aviación → Juan Francisco Reyes, CDTI (reyes_juanfrancisco@cdti.es)

Last but not least...

- ❑ Ser evaluador → Experiencia importante y se buscan diferentes perfiles!
<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>
- ❑ Actualización programas de trabajo & documentos generales de interés →
http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-work-programmes-2016-17

Interesting past events...

2015 CEF Transport Info Day

The 2015 CEF Transport Info Day will take place on 30 November 2015 in Brussels, Belgium. The event will address the priorities of the 2015 CEF Transport Calls (still to be announced).

If you are interested in participating in this event please mark this date in your calendar:

Info Day

Date & time: Monday 30 November 2015

Location: Charlemagne building (CHAR) - Rue de la Loi 170, B-1000 Brussels - De Gasperi, Mansholt and Jenkins Rooms

Registration

Registration is only possible via this website. Please do not make any travel arrangements until you have received our confirmation.

Registrations will close at 12:00 (midday) on Wednesday 25 November 2015.

[REGISTER NOW](#)



Participación como experto

<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>

Diferentes perfiles!
Científico-técnicos,
business, end-users,
practicioners,...



RESEARCH & INNOVATION
Participant Portal

European Commission > Research & Innovation > Participant Portal > Experts

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT + Search PP LOGIN REGISTER

News

H2020 call for expression of interest for experts (11/2013)
New calls for expression of interest for individual experts and for organisations to suggest experts were just published in OJ C342 of 22 November 2013. European Commission will soon need experts to evaluate first Horizon 2020 proposals. Don't forget to tick the H2020 box in the registration platform and update your expertise.

Quick Links

- FAQ for Experts
- Expert recommendations
- Guidance on the evaluation of innovation, social sciences and Humanities and other aspects of H2020 proposals

Logistics for Brussels

- Map of evaluation area
- Info on hotels
- Metro map
- From airport to Brussels

Experts

Join the database of independent experts for European research and innovation.

The European Commission appoints independent experts to assist with research and innovation assignments including the evaluation of proposals, monitoring of projects, and evaluation of programmes, and design of policy.

H2020 ONLINE MANUAL

New experts

Who can be an expert?

You have a chance of being selected as an expert if you:

- have high-level of expertise in the relevant fields of research and innovation (see call for details on types of expertise).
- can be available for occasional, short-term assignments.

REGISTER AS EXPERT

What do expert assignments involve?

Experts, as peer reviewers, assist in the:

- evaluation of proposals
- monitoring of actions

In addition, experts assist in the:

- preparation, implementation or evaluation of programmes and design of policies. This includes the Horizon 2020 Advisory Groups.

Assignments mainly concern research and innovation, falling within the Horizon 2020 programme designed to address the challenges Europe is facing through funding excellent science, technology and innovation.

Take a look at the most recently funded projects.

In order to access the expert registration form, you are first asked to login with a valid Participant Portal (ECAS) account. If you do not have it yet, it is easy to [create your Portal \(ECAS\) account](#).

Registered experts

- Registered experts can complete or update their profile at any time by logging-in to their Portal account (ECAS) and accessing My Expert Area.
- Your profile is only available to the Commission for consideration once it is complete and valid.

División Programas de la UE

Actores relevantes...



European Conference of Transport Research Institutes

Last update: February 18, 2016



[Home](#)

[About ECTRI](#)

[Activities](#)

[Publications](#)

[Useful links](#)

[Contacts](#)

[ECTRI database](#)

[Members only](#)

ECTRI, the European Conference of Transport Research Institutes, is the leading European research association for sustainable and multimodal mobility. It was founded in April 2003 as an international non-profit organization. Its **members** are 26 major transport research institutes or universities from 19 European countries. Together, they account for more than 4000 European scientific and research staff in the field of transport.

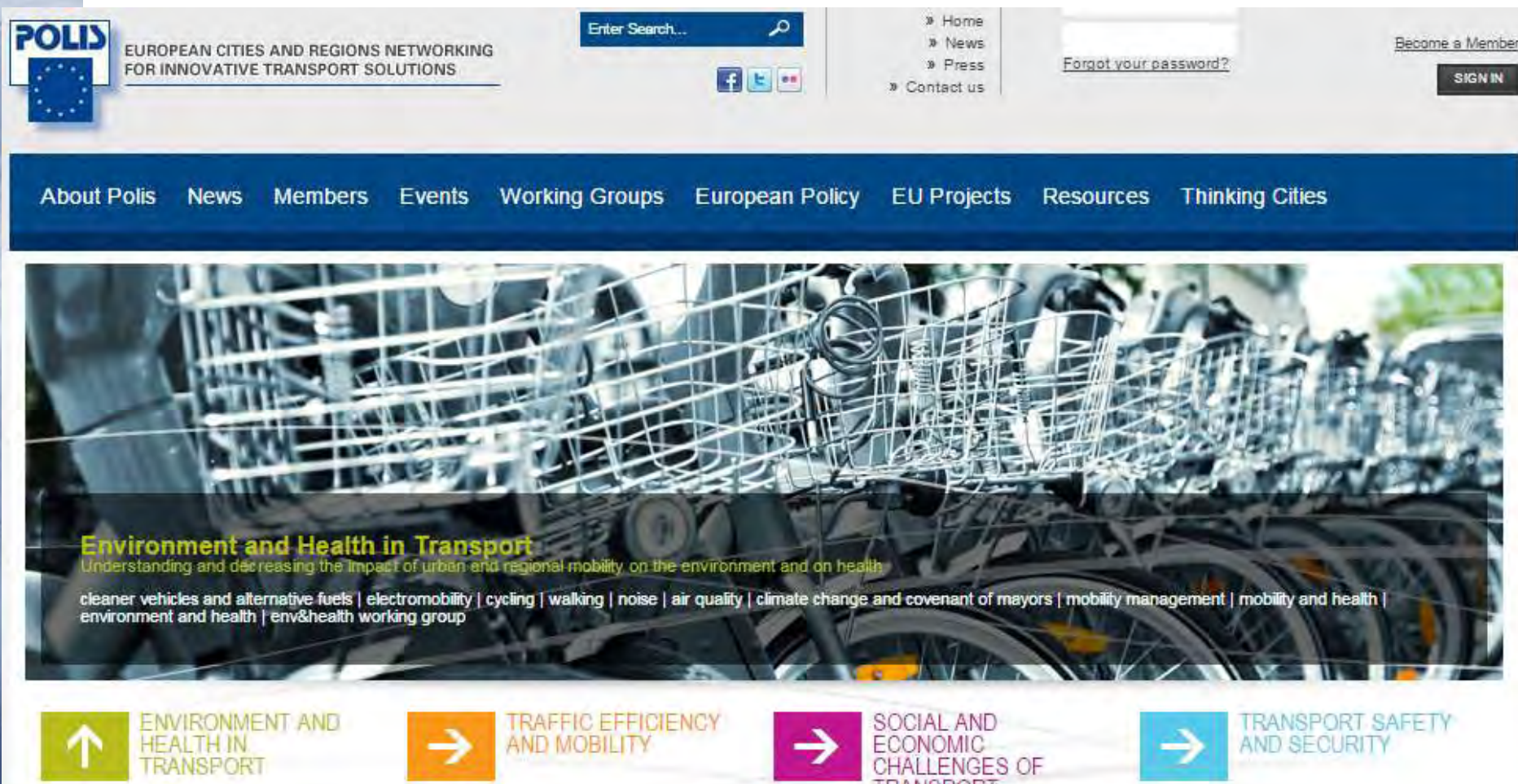
ECTRI is pushing for green, safe, efficient and inclusive transport for people and goods by:

- 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

ECTRI's aims at achieving these goals by cooperation in thematic and process oriented **thematic groups** and **task forces**, by **publications**, and through participation in **Framework Programme projects**, **seminars** and **conferences**.

Make sure you don't miss out on any articles published in European Transport Research Review by signing up for the journal's alerts !

Actores relevantes...



POLIS
EUROPEAN CITIES AND REGIONS NETWORKING
FOR INNOVATIVE TRANSPORT SOLUTIONS

Enter Search...

» Home
» News
» Press
» Contact us

Forgot your password?

Become a Member
SIGN IN

About Polis | News | Members | Events | Working Groups | European Policy | EU Projects | Resources | Thinking Cities

Environment and Health in Transport

Understanding and decreasing the impact of urban and regional mobility on the environment and on health

cleaner vehicles and alternative fuels | electromobility | cycling | walking | noise | air quality | climate change and covenant of mayors | mobility management | mobility and health | environment and health | env&health working group

↑ ENVIRONMENT AND HEALTH IN TRANSPORT

→ TRAFFIC EFFICIENCY AND MOBILITY

→ SOCIAL AND ECONOMIC CHALLENGES OF TRANSPORT

→ TRANSPORT SAFETY AND SECURITY

Actores relevantes...



MY ERRIN

Join ERRIN

Contact US!

Twitter Facebook LinkedIn



★ About ERRIN ~ ERRIN Members **Working Groups** Calendar ~ News Social Media Partner search ~ Newsletter

INTERREG Europe Brokerage Event

Thursday 17 March 2016

10:30 - 15:30

DEADLINE FOR PROJECT IDEAS: 29 FEBR

ERRIN 15

★ About ERRIN ~ ERRIN Members ~ Working Groups ~ Calendar ~ News ~ Social Media ~ Partner search ~ Newsletter

Home ~ Working Groups

TRANSPORT WORKING GROUP

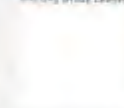
Executive sponsor
Working Group Leader



Executive sponsor
Working Group Leader



Executive sponsor
Working Group Leader



Executive sponsor
ERRIN contact



Gracias por su atención...

marina.cdti@sost.be