



EUTRAIN

**Mediterranean Regional Workshop
Athens, Greece
16 July 2012**

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Content

- *the context for international cooperation in transport research in the EU*
- *Euro-Mediterranean Co-operation in Research and Innovation*
- *opportunities for Mediterranean countries in transport WP2013*
- *EUTRAIN - expected outcomes*

Global transport trends 2000-2050

- *3 to 4 times passenger/kms*
- *2.5 to 3.5 times ton/kms*
- *2.5 to 3 times CO₂ emissions from vehicles*
- *car ownership per capita: big increase (despite saturation)*
- *center of gravity shift to emerging/developing countries*
- *new technologies and policies are key to improve fuel economy, transform the energy basis of transport*
- *the geography of the challenges is changing, the geometry of the solutions must be adapted*

International cooperation: a must

- *GHG emissions, oil dependency, traffic congestion, passenger safety, transport security,...: global challenges call for global solutions*
- *most future transport growth outside Europe: access to knowledge and markets becomes more important*
- *transport increasingly global, new competitors emerge, but also new opportunities for collaboration*
- *economic and social dynamics beyond Europe's borders call for closer links and greater cooperation*
- *global standards and interoperability of systems are more necessary than ever*

Transport policy, external dimension

- *work within international organisations to ensure market opening, standard setting*
- *promote worldwide standards on safety, security, privacy, environmental impact,...*
- *extend EU transport infrastructure and policy to our immediate neighbours*
- *open up transport markets to free competition and environmentally sustainable solutions*
- *establish robust research and innovation partnerships with international partners*

EU International cooperation in Transport R&D today

- *FP7*
 - ~ 200 non-European participants, ~25 M€ funding
 - strong focus on aviation: 55% of Participants, 75% of Funding
 - main participants: Russia, China, Brazil, South Africa, Ukraine
- *recent trends*
 - more dedicated, more co-funded activities
 - multilateral and bi-regional cooperation
- *prospects*
 - consolidating collaboration with the BRICS
 - exploring cooperation prospects with Japan
 - establishing a Euro-Mediterranean cooperation framework
 - building a more substantial, strategic partnership with US
 - reinforcing cooperation with Eastern neighbours

International cooperation in H2020/Transport

- *general objectives: excellence, competitiveness, support to policies*
- *main drivers for international cooperation in transport R&I*
 - **global challenges, common problems**
 - **cross-border interoperability**
 - **international standards and global systems**
 - **access to knowledge, access to markets**
- *mutual benefit, without hampering competition*
- *from bottom-up/top-down to focus and impact*
- *primarily with leading partner countries and neighbouring countries*
- *reciprocity and mutual access*
- *synergies with Member States activities*

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Policy context

A long standing Euro-Med cooperation in S&T

- *bilateral policy dialogues*
 - **5 S&T agreements: Algeria, Egypt, Jordan, Morocco, Tunisia**
 - **2 association agreements: Israel, Turkey**
- *regional policy dialogue*
 - **the Monitoring Committee for Euro-Mediterranean Cooperation in S&T (MoCo)**
 - **16 meetings since 1995 (last meeting in Brussels, June 2012)**
 - **SOM Research for UfM since 2009**
- *1st Euro-Mediterranean Ministerial Conference on Higher Education and Research, Cairo in June 2007*

Contribution of FP7 and ENPI

- *in February 2012 a total of 350 Mediterranean applicants have been retained in Framework Programme (FP7) projects, for an EU contribution to Med countries of more than 40 M€, including structuring activities (25.5 M€)*
 - **support to bilateral activities** **4 M€**
 - **support to regional platforms (MIRA/MedSPRING)** **8 M€**
 - **building competence in research labs (ERA-WIDEs)** **13,5 M€**
- *the European Neighbourhood Partnership Instrument (ENPI) supports research capacity building through the implementation of Research Development and Innovation Programme (RDI) in Jordan (5 + 5 M€), Egypt (11M€ + 20 M€), Tunisia (12 M€), Morocco (1.35 M€) and Algeria (21 M€) (total 75,35 M€)*

Assessment of the situation

- *activities still fragmented*
- *lack of the strategic focusing, scale and scope*
- *need to adapt to historic changes in Mediterranean countries*
- *need for a new cooperation partnership between EU and Med countries –Organisation of Barcelona Conference 2-3/4/2012*
- *objectives*
 - **define a medium to long term agenda**
 - **identify priority areas of cooperation**
 - **improve coordination between EU, its Member States and Mediterranean policies and programmes**
 - **increase the impact of on-going cooperation actions**

The Conference in Barcelona (02-03/04/2012)

Euro-Mediterranean Conference for Research and Innovation

- *A big success: more than 300 participants from more than 30 countries, 2 EU Commissioners, 4 Ministers, 2 MEPs*
- *thematic areas addressed: water, energy, health, transport and marine sciences*
- *key cross-cutting issues addressed: innovation, changing society, coordination of programmes, infrastructure, mobility*

Transport session

- *The success of the session confirmed the strategic interest of developing Euro-Mediterranean cooperation activities in transport research, a line of action that will be part of the international cooperation strategy for H2020*
- *Three areas of research pre-identified by the directorate were confirmed as the most relevant and important areas for Euro-Mediterranean cooperation*
 - **competitive ports and hinterland connectivity**
 - **transport networks and logistics networks**
 - **city development and urban mobility**

Transport session

- *the main challenges identified*
 - **the existence of different local needs and mobility habits in the various countries and regions**
 - **fragmented responsibilities at institution level, leading to slow decision making**
 - **high costs of logistics (up to 20% of GDP), particularly in the last mile, requiring an integrated approach for ports and cities**
- *priorities for action*
 - **set up integrated joint programming covering R&D, cooperation, capacity building, pre-deployment and training**
 - **Focus activities more on demonstrators and pre-deployment actions such as Mediterranean Motorways of the Seas**
 - **Develop suitable instrument for regional cooperation South-North-South, where the North acts as a facilitator, allowing research to go into transport policy implementation and vice versa**

Main conclusions of Barcelona Conference

- *a renewed partnership in R&I should be based on the principles, co-ownership, mutual interest and shared benefit as driving principles*
- *cooperation agenda to cover the whole chain from research to innovation, involving all stakeholders*
- *investment in R&I to be recognised as a priority in national economic policy*
- *the partnership should involve the EU, national and regional authorities in Member States and the Southern Mediterranean countries*
- *need to move away from bilateral approaches to a "region to region" more strategic approach*
- *the European Commission will support this new partnership and prepare the way for even more substantial cooperation involving all EU Member States and Mediterranean countries*

Next steps

- *conference results will be presented in a consolidated paper to be presented at the joint monitoring committee meeting on Euro-Mediterranean cooperation in research and innovation (MOCO) on 21-22 June*
- *areas for Euro-Med cooperation in R&I are expected to be discussed and confirmed at the meeting*
- *the conference final report together with a Commission proposition for setting up a joint programming initiative on Euro-Mediterranean cooperation based on Art 185 will be brought to the attention of the EU Research Ministers during the informal competitiveness council meeting on July 20th*

Art 185

- *DG Research and Innovation will launch activities in 2013 including ERA-NET calls, activities could lead in the future towards a potential Art 185 for the Mediterranean*
- *Topical/scientific content is key to negotiate with MS and 3rd partner countries*
 - **Biotechnology, Agriculture, Food; Transport; Environment and Energy with strong interest to participate in Art 185**
 - **Member States very interested to advance with overall Euro-Med agenda and Art 185**

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Participation of Mediterranean country partners in Transport WP2013

- *General Opening*
 - **All WP topics open for participation to Mediterranean countries**
- *Targeted Opening*
 - **SST.2013.3-2. Implementing innovative and green urban transport solutions in Europe and beyond**
 - **GC.SST.2013-7. Technical and operational connectivity in intermodal freight transport**

<http://ec.europa.eu/research/participants/portal/page/cooperation?callIdentifier=FP7-SST-2013-RTD-1>

- **SST.2013.6-2. Towards a competitive and resource efficient port transport system**

<http://ec.europa.eu/research/participants/portal/page/cooperation?callIdentifier=FP7-TRANSPORT-2013-MOVE-1>

SST.2013.3-2. Implementing innovative and green urban transport solutions in Europe and beyond

- *Content and scope*
 - **To develop and implement the take-up of innovative and green urban transport solutions which are adapted to the specific framework conditions of cities across the world**
 - **To share experiences of topic of common interest and propose innovative and green urban transport solutions which are adapted to the specific framework conditions of cities from Mediterranean partner countries**

SST.2013.3-2. Implementing innovative and green urban transport solutions in Europe and beyond

- *Expected impact*
 - **Foster the deployment of innovative transport solutions in Europe and across the world to address global challenges and contribute to reach the objectives set up by the European Union in terms of sustainable urban mobility, energy efficiency and fight against climate change**
 - **Support the structured transfer of innovative transport solutions promoted by the European industry to other regions of the world**
 - **Contribute to a better global dialogue among policy makers and practitioners in urban transport from Europe and other industrialised and emerging countries**
 - **Develop research cooperation with Mediterranean partner countries in the field of urban transport**

SST.2013.6-2. Towards a competitive and resource efficient port transport system

- *Content and scope*
 - **This topic is aiming to address two particular challenges through two distinct projects**
 - **The first focuses on significant differences in current practice in collecting and interpreting ports data that restrict the ability to monitor the evolution, developments and needs of the EU port system**
 - **The second is examining the tremendous impacts of innovation dynamics as they become critical for the sustainable development of EU ports Highly sophisticated port handling equipment technologies and innovations in port processes and logistics**

SST.2013.6-2. Towards a competitive and resource efficient port transport system

- *Expected impact*
 - **The first action should produce a knowledge and management tool for monitoring the efficiency and performance of sea and inland ports**
 - **The second action should support both the implementation of the International Labour Organization 'Guidelines for Training of Workers in the Port Sector' and the objective of the 'Social Agenda for maritime transport' for the establishment of a mutually recognisable framework on the training of port workers in different fields of port activities**

GC.SST.2013-7. Technical and operational connectivity in intermodal freight transport

- *Content and scope*
 - **The objective of this topic is to increase the individual and co-operative performance quality and throughput of ports and terminals through the development of innovative technologies, infrastructures and e-freight solutions**

GC.SST.2013-7. Technical and operational connectivity in intermodal freight transport

- *Expected impact*
 - **Efficient and safe port and terminal operations**
 - **Efficient, safe low environment impact use of transport means within and between ports and terminals**
 - **Contribution to the open up of e-freight developments to a wider community, notably SMEs and link them up with networks that are being developed predominantly by big companies**
 - **Development of easy to use and affordable software solutions and demonstrate connectivity solutions in different trade lanes, within the European Union, and between European Union and third countries, for different purposes**
 - **Assessment of the benefit for international trade of a general roll out of this type of connectivity solution**

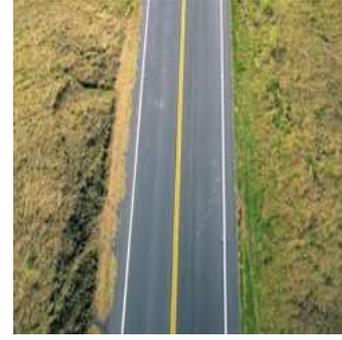
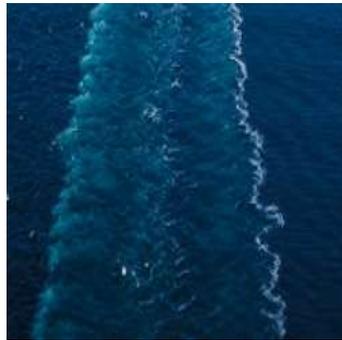
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EUTRAIN – Views and expectations

- *an expert dialogue between European experts and their international counterparts should be established*
- *comparative between the situation in the EU and those in other regions (such as analysis of 3rd country research capabilities, investment, future priorities and potential for cooperation with the EU in the prospect of mutual interest)*
- *high interest for US, Japan, Eastern Europe neighbourhood and Mediterranean countries*
- *while all surface transport modes should be addressed, aeronautics and air transport can be left out*
- *this activity will contribute to the establishment of a framework for EU international transport research cooperation*

THANK YOU FOR YOU ATTENTION!



http://ec.europa.eu/transport/research/index_en.htm