



EUTRAIN

**South Asia and Asia-pacific
Regional Workshop
Beijing, China
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Content

- *The context for international cooperation in transport research in the EU*
- *Opportunities for South Asia and Asia-Pacific countries in Transport Call 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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Participation of Asia and Asia-Pacific country partners in Transport Call WP2013

- *General Opening*
 - All WP topics open for participation to Asia and Asia-Pacific countries (both ICPC and non-ICPC). All surface transport modes (road, rail, waterborne).
- *Targeted Opening*
 - SST.2013.3-2. Implementing innovative and green urban transport solutions in Europe and beyond (CSA-CA). 1) LAC, China Singapore, 2) Mediterranean partner countries.
 - SST.2013.4-3. Biomechanics and advanced digital human body models and testing for vehicle safety (CP-FP). USA, Japan and other countries.

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

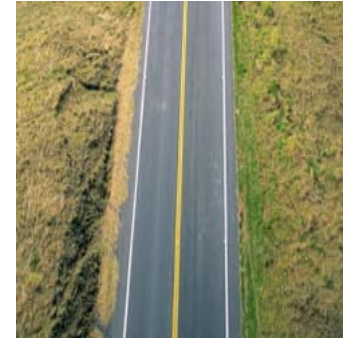
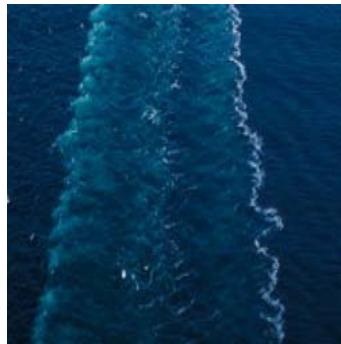
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EUTRAIN – Views and expectations

- *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, BRICS*
- *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