



ITS Russia/Europe: Priorities of cooperation between EU and Russia in ITS

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Background

- » SIMBA II Project
- » ITS Russia / ERTICO ITS Europe bilateral meetings
- » eCall ERA GLONASS Working Group



SIMBA II project



- » **Motivation: No coordination between transport research projects/ activities in different regions. Cooperation between EU and other regions done in parallel.**
 - › Transfer of technology vs reinvent the wheel
 - › Provide a coordinated national framework for R&D activities
 - › Adapt European standards to the local requirements
 - › Exchange of technology and know how
 - › Provide an early market opportunity for the stakeholders
- **SIMBA 2: Strengthening road transport research cooperation between Europe and emerging international markets to increase road safety, mobility, and transport efficiency.**
 - 100% funded by European Commission - DG Research
 - Duration : 24 Months, from May 2008 to April 2010
 - Key areas: ITS & Infrastructure



SIMBA I and II priorities



EU Priority					
ITS					
Electronic toll collection and road pricing	●	●	●	●	●
ITS for public transport	●	●	●	●	●
Integrated traffic management	●	●	●	●	●
Real-time traffic information	●	●	●	●	●
Incident detection and emergency response	●	●	●	●	●
Infrastructure					
Pavement management systems/Bridge management systems	●		●		●
Alternative and recycled construction materials	●		●		●
Heavy vehicles and road wear	●		●	●	●
Road infrastructure safety	●	●	●	●	●
Automotive					
Alternative fuels	●	●	●	●	●
Vehicle safety	●	●	●	●	●
Vehicle production design	●	●	●	●	●
Public transport systems based on buses	●	●	●	●	●
Goods transport: security systems	●				●





SIMBA II outcomes

- Final workshop took place on 26 March 2010.
- SIMBA II ITS recommendations - a snapshot:

	Brazil	Russia	India	China	S Africa	Standardisation development and awareness
Education and Training for experts, policy makers & investors	X	X	X	X	X	
Urban Mobility						
Urban mobility management and operation		X	X	X	X	
Traveler information		X	X	X	X	
ITS for large events	X	X	X		X	
Road Safety						
Naturalistic Driving Studies		X	X		X	
eCall/ERA GLONASS		X				
Green Urban Transport						
Electrification of vehicles		X		X		
Eco Driving		X	X	X		

SIMBA II outcomes - Russia



Creating and implementing national ITS Standards based on the global ITS platform.

Improving ITS education (policy makers & investors) and training
Need of workshops/seminars and demonstrations to increase awareness of ITS benefits. Production of materials on ITS.

Urban mobility

Traffic management and traveller information services (development and demonstrations).

Ongoing activities related to **Winter Olympics 2014 in Sochi** were identified as the city where this development could be undertaken together with **STADIUM**.

Cooperation eCall / ERA-GLONASS

Coordinate cross-border activities through pilots. Information exchange activities are already ongoing in the framework of the European eCall Implementation Platform.

Electrification of Vehicles

Estimation and roadmap of electric vehicles application

Improving road safety and environmental protection tech of electric vehicles

Sharing information on development and deployment of electric vehicles

Impacts of electrification of vehicles on infrastructure



ITS Russia / ERTICO ITS Europe bilateral meetings

- » MoU signed by ITS Russia and ERTICO ITS Europe on 8th September 2010
- » Meetings in 2009, 2010 and 2012
 - › International cooperation activities in ITS from European perspective (priorities, funding, FP7 workprogramme)
 - › ITS Action Plan
 - › eCall / ERA GLONASS - Creation of dedicated Working Group
 - › Standardisation
 - › GNSS based ITS applications
 - › Interoperability in terms of Road User Charging
 - › Traffic and Traveller Information in the context of Transport Corridors and Large Events



eCall ERA GLONASS Working Group

- » Co-chaired by ERTICO ITS Europe and ITS Russia and in cooperation with NIS + GLONASS Union
- » Established in 2011
- » 47 organisations from Europe and Russia, mainly from automotive sector
- » Work items:
 - › Harmonisation of specifications and associated standards
 - › Knowledge exchange on implementation issues
 - › Cross-border testing and pilots (e.g. HeERO pilot in Europe)



Priorities of Future Cooperation

1. eCall/HeERO and ERA/GLONASS
2. The harmonisation of ITS standards
3. Traveller information
4. Smart insurance and telematics products
5. ITS for large events



Priorities of Future Cooperation

1. eCall/HeERO and ERA/GLONASS

The success of the eCall/ERA GLONASS WG should be continued in alongside the HeERO and HeERO2 pilots, as there is a clear need for cooperation to ensure the harmonisation of standards and interoperability of the systems right up to the point of deployment.



Priorities of Future Cooperation

2. The harmonisation of ITS standards

This is another crucial area for ensuring harmonisation and interoperability of ITS systems across Europe and Russia.

Currently there is no formal agreement between the Russian standards body and CEN in the context of transport.



Priorities of Future Cooperation

3. Traffic and traveller information

This topic is relevant in the context of both transport corridors and cities.

The Helsinki to St Petersburg transport corridor is key, especially as the European ITS Congress will be held in Helsinki in 2014, as well as and the M4 highway from Moscow to Sochi.



Priorities of Future Cooperation

4. Smart insurance and telematics products

This can be linked to eCall/ERA GLONASS as such systems would function using the same or a similar in-vehicle system.

The aim would be to investigate the feasibility of developing such systems and how they could reduce the cost of vehicle ownership and improve safety and security of vehicles.



Priorities of Future Cooperation

5. ITS for large events

How to benefit from ITS solutions to address mobility and transport demand in the context of the Sochi Winter Olympic Games and the FIFA World Cup which will be hosted by Russia 2014 and 2018 respectively.



Let's cooperate ...



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