



Strengthening cooperation on road transport research between the EU and emerging markets

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1

Contents

- Why is cooperation on transport research needed?
- The SIMBA and SIMBA II projects
- SIMBA II activities
- Future developments



Why is cooperation on transport research needed?

- Scientific research itself is increasingly international
- Facing the same challenges:
 - ✓ Transport growth & congestion
 - ✓ Safety and security
 - ✓ Environment
 - ✓ Energy
- To promote technologies globally
- Exchanges of knowledge, successful experiences and lessons



Why is cooperation on transport research needed?

Cooperation with Brazil, China, India, Russia and South Africa because of:

- Importance of these countries on the world stage
- Economic growth in these countries
- Fast development in infrastructure, resulting in opportunities for deployment of new technologies
- European interests



Why is cooperation on transport research needed?



Population: 191 Million



Population: 145 Million



Population: 1130 Million



Population: 1330 Million



Population: 48 Million



The SIMBA & SIMBA II Projects

Identified main obstacles for International S & T Cooperation

- *Lack of knowledge in Europe on the S&T situation in Third Countries*
- *Lack of knowledge in Third Countries on the S&T situation in Europe*

SIMBA & SIMBA II projects bring together experts from European and local organisations to exchange knowledge and understand local needs in road transport research.



The SIMBA & SIMBA II Projects

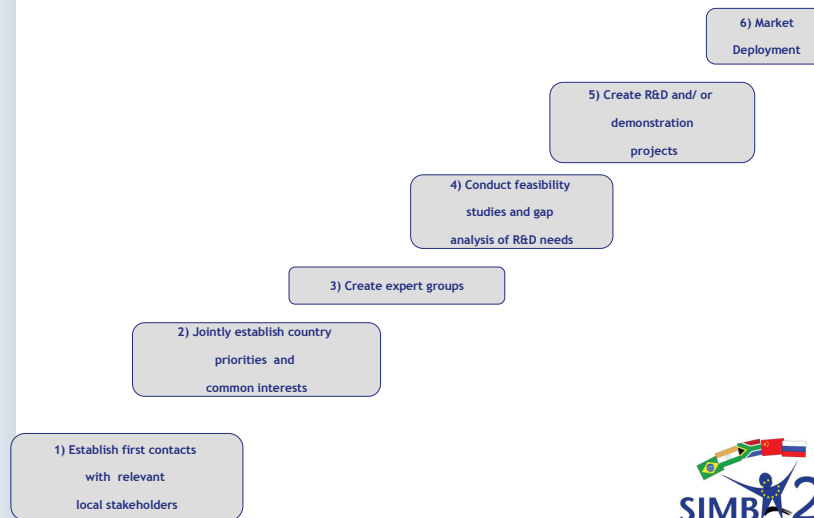
....strengthening road transport research cooperation between Europe and emerging international markets to increase road safety, mobility, and transport efficiency...

- Transfer of technology vs reinvent the wheel
- Adapt European standards to the local requirements
- Exchange of technology and know how
- Early market opportunity for the stakeholders

Consortium partners



The SIMBA & SIMBA II Projects



The SIMBA & SIMBA II Projects

Steps	Brazil	China	India	Russia	S. Africa
Establish first contacts with relevant local stakeholders	SIMBA	SIMBA	SIMBA	SIMBA II	SIMBA
Jointly establish country priorities and common interests	SIMBA	SIMBA	SIMBA	SIMBA II	SIMBA
Create expert groups	SIMBA II	SIMBA II	SIMBA II	SIMBA II	SIMBA II
Conduct feasibility studies and gap analysis of R&D needs	SIMBA II	SIMBA II	SIMBA II	SIMBA II	SIMBA II
Create R&D and/or demonstration projects					
Market Deployment					



SIMBA II Activities

Identified Key Cooperation Areas

EU Priority	Brazil	China	India	South Africa	Russia
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 Activities

In Brazil, China, India and South Africa:

- A series of local expert meetings
- Joint workshops with European organisations to discuss and define research priorities and cooperation areas.

In Russia

- To establish first contacts with relevant local stakeholders
- First workshop was held on 22 Oct 2008 in Moscow
- A large number of stakeholders were invited to discuss themes within Russia priority areas



SIMBA II Activities

Main focuses:

- eCall
- Traffic information and management
- Intelligent traffic weather
- ADAS and vehicle safety
- Environment
- Energy

Different countries have different traffic problems, thus having different priorities.



Future Events



26th Oct 2009
Beijing

Main topics:

- ✓ Electrification of vehicles
- ✓ Pollution
- ✓ Intelligent weather information



18th Nov 2009
Moscow

Main topics:

- ✓ eCall
- ✓ Vehicle safety
- ✓ Traffic information and management



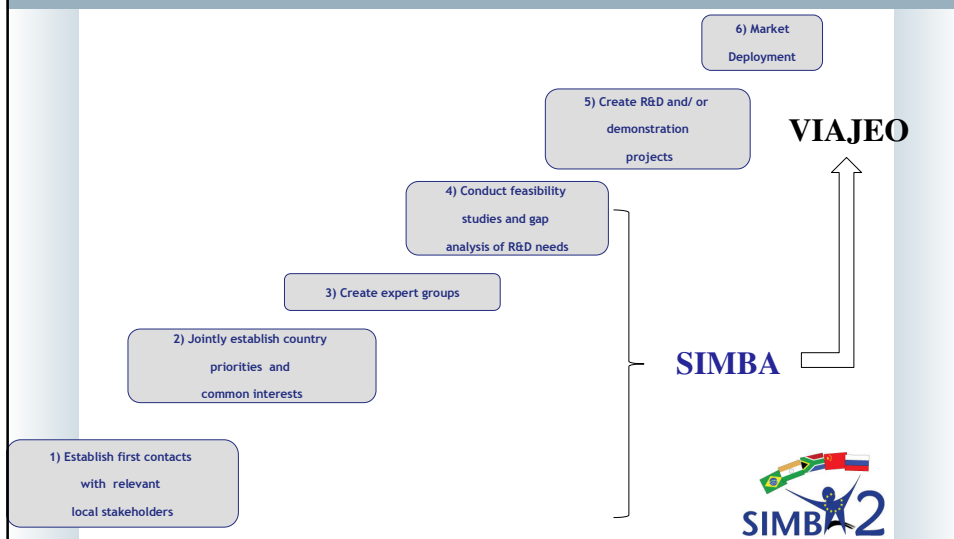
27th Nov 2009
Rio De Janeiro

Main topics:

- ✓ Vehicle tracking
- ✓ Fleet management
- ✓ Traffic monitoring and urban traffic management
- ✓ Dynamic navigation



A successful story



Thank you for your attention

More information:
www.simbaproject.org

