

Strategic Research Agenda ICT for Mobility

eSafety Forum, WG

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Chairman of WG eRTD

Outline of Presentation

- eSafety Forum: eRTD
- SRA ICT for Mobility Dec 2006
- SRA ICT for Mobility: Up-date Dec. 2007
- Closing Remarks

Advise, Support, Monitor and Review the Development, Implementation and Outcome of the Strategic Research Agenda for "ICT for Mobility", FP7

Promote the RTD pillar of the Intelligent Car Initiative

Survey and support the activities and their synergies at national and EU level

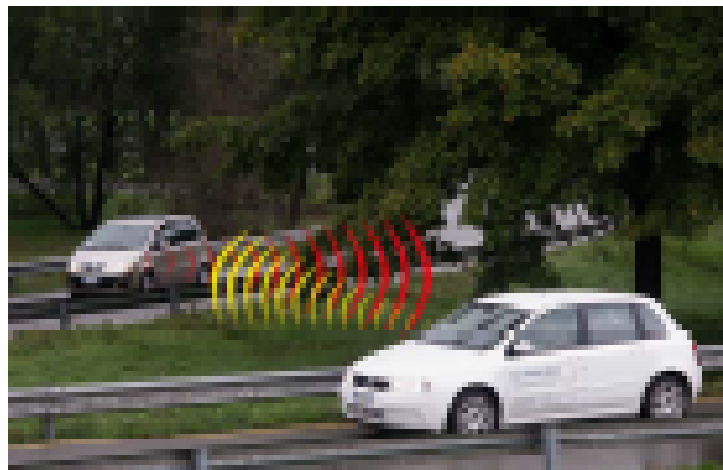
Promote. Monitor and Guide the R&D contribution to the achievement of Safe, Clean, Efficient and Secure Road Traffic Transport

global competitiveness of the EU Industry

RTD's
main
delivery
2006

Strategic Research Agenda **ICT for Mobility**

DECEMBER 2006



Working group RTD

6 Areas/Domains:

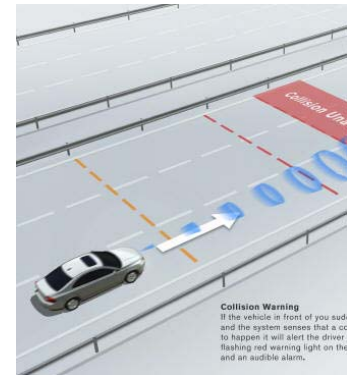
1. Mobility Services for People



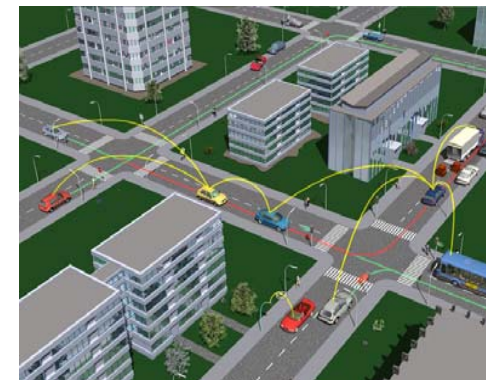
2. Mobility Services for Goods



3. Intelligent Vehicle systems



4. Cooperative Systems



5. Field Operational Tests



6. Horizontal issues

Recommendations on forthcoming R&D in ICT for Mobility (FP7 2009 - 2010 ICT Workprogramme)

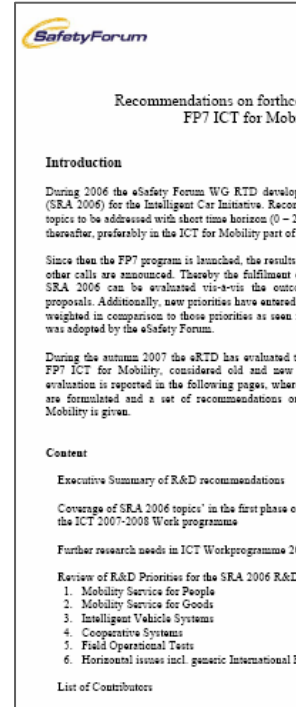
Review of SRA 2006 topics' in the first phase of the ICT 2007-2008 Work programme

Review of R&D Priorities for the SRA 2006 R&D Areas

Mobility Service for People and Goods, Intelligent Vehicle and Cooperative Systems, FC

Further research needs in ICT Workprogramme 2009-2010

International R&D Collaboration



Urban and Inter-Urban Mobility of People and Goods:

Clean, Safe, Secure and Efficient

Assessment of ICT/ITS systems impact

in particular regarding clean, safe, efficient road transport

Field Operational Tests

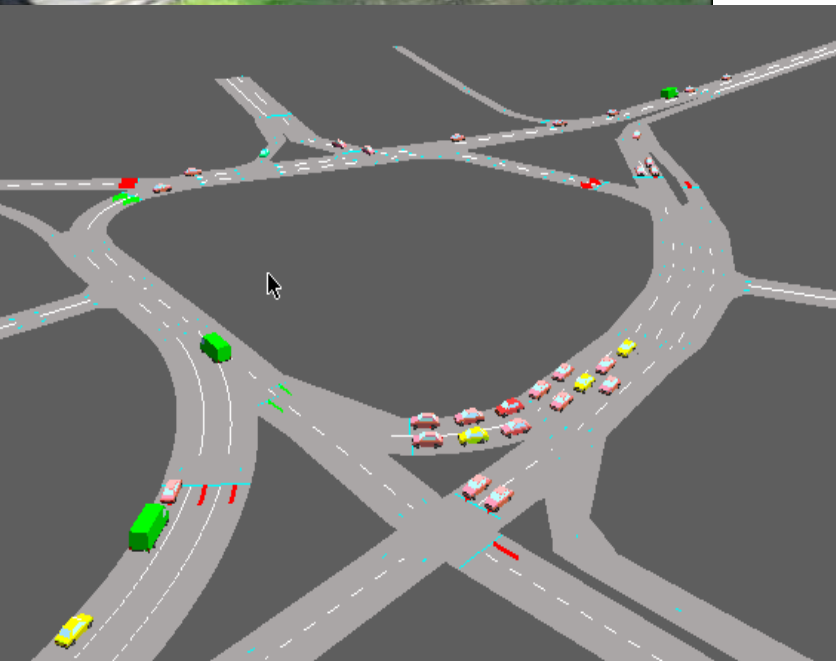
Intelligent Vehicles and Infrastructures towards Cooperative Syst

International R&D Collaboration

1. Strategic identification of benefits, regions and partner characteristics
2. US, Canada, Latin America, China, Japan, ...
3. **Example:** Low-power / low-cost devices for tracking of goods, global harmonisation of the communication interfaces used by such devices. Target regions for collaboration are America and Asia.



Introduce CO2 traffic lights along congested roads between intersections, to allow drivers to turn off engine for long periods of time without negative impact on travel time



Introduce CO2 traffic lights on roundabouts to avoid negative effects on CO2 emissions with specific traffic condition

2008

2009

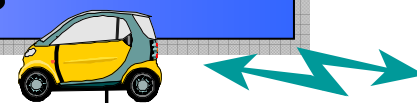
2010

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Phase 2: Field Operational Test on Autonomous Vehicle ICT Systems

Phase 3: Field Operational Test on Cooperative ICT Systems



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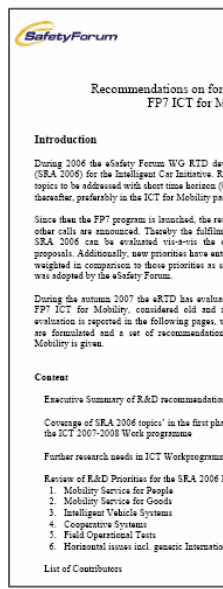
ITS in General

- . Business Model: Still room for improvement
- . Assessment of ICT/ITS systems on Safety, Efficiency, Environment crucial for industrial guidance.
- . Engagement of "Deployment Actors" needs to be further "forced" (Driver-Vehicle-Infrastructure)
- . Large potential in making the roads safer and more efficient with sound, liable and wide spread ICT/ITS systems.

Dec. 2006 SRA ICT for Mobility



Up-date Dec. 2007 SRA ICT for Mobility



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http://www.esafetysupport.org/en/esafety_activities/esafety_working_groups/research_and_technological_development.htm

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May we ask the eSafety Forum Plenary
to endorse the Dec. 2007 up-date of the

SRA ICT for Mobility !



End of Presentation.
Thank you for your attention!