

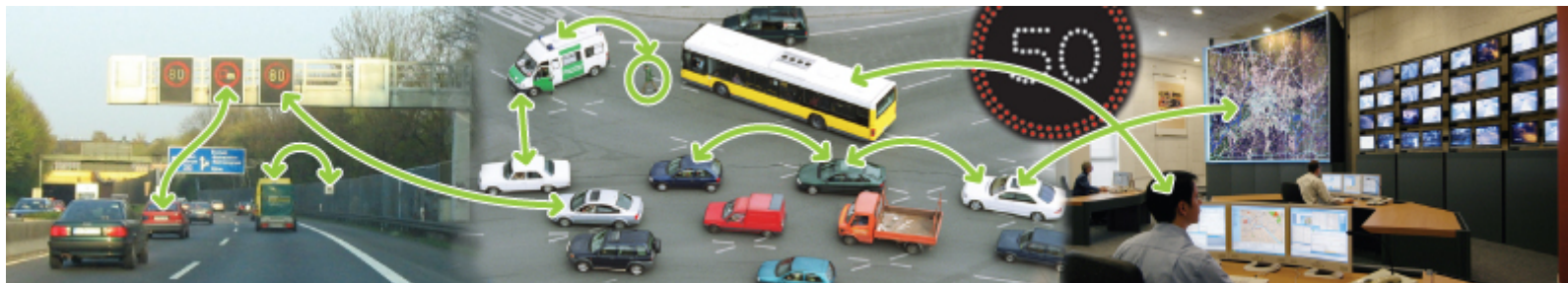


Creating a technical platform for interoperable cooperative systems & services in Europe: Status of the CVIS project

Paul Kompfner, Peter Christ

car 2 x

2 - 3 December 2008

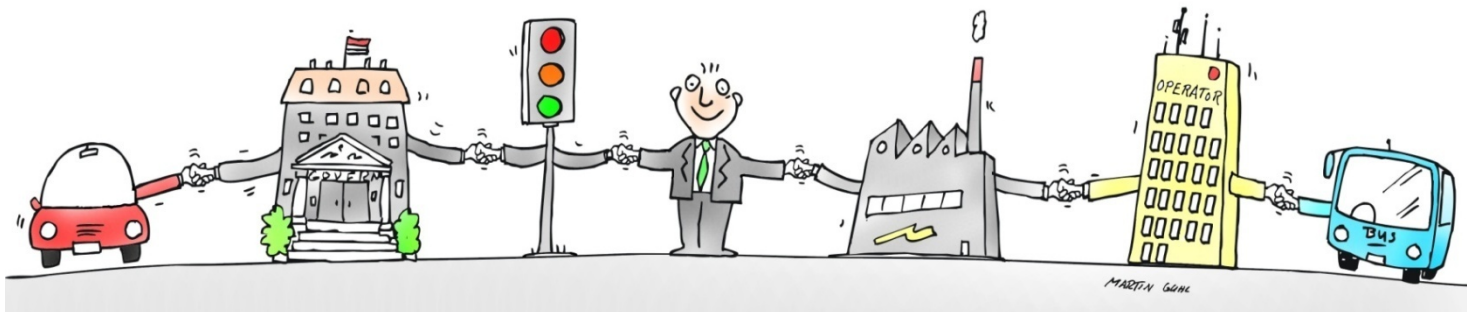




Project objective

Increase efficiency and safety through V2V and V2I cooperation enabled by:

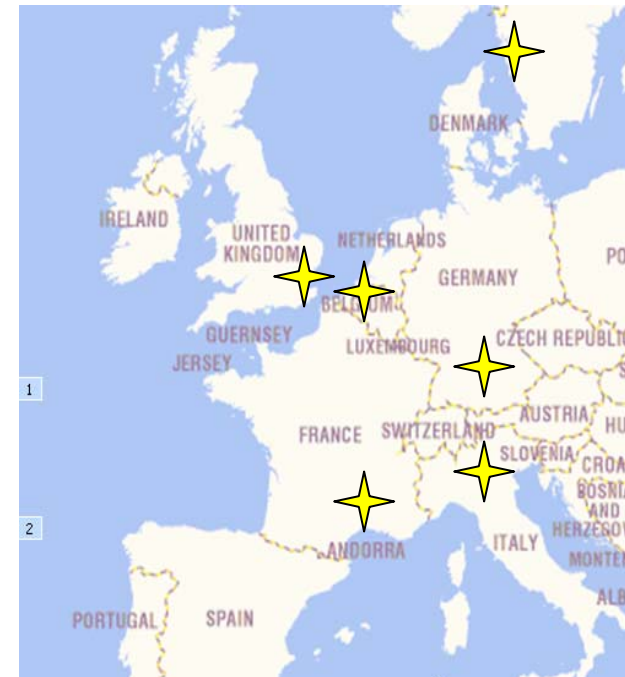
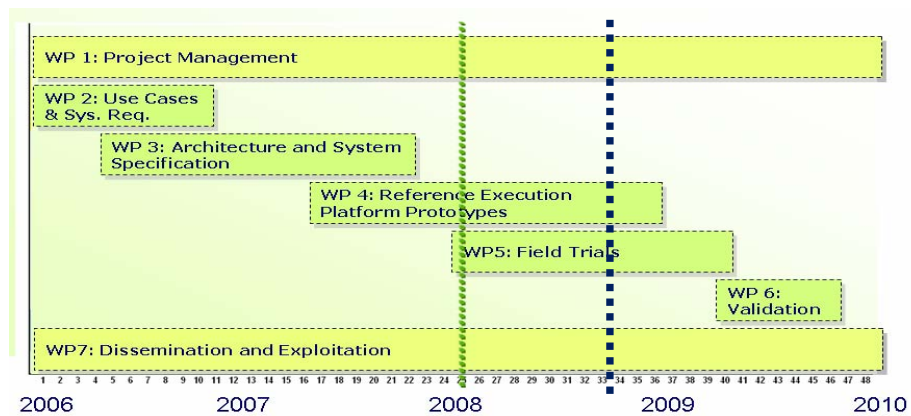
- an open architecture and an universal platform prototype
- a wireless network amongst vehicles & infrastructure
- a framework for application management
- enhanced positioning and mapping solutions
- cooperative data management and sharing
- innovative cooperative applications





Project facts and figures

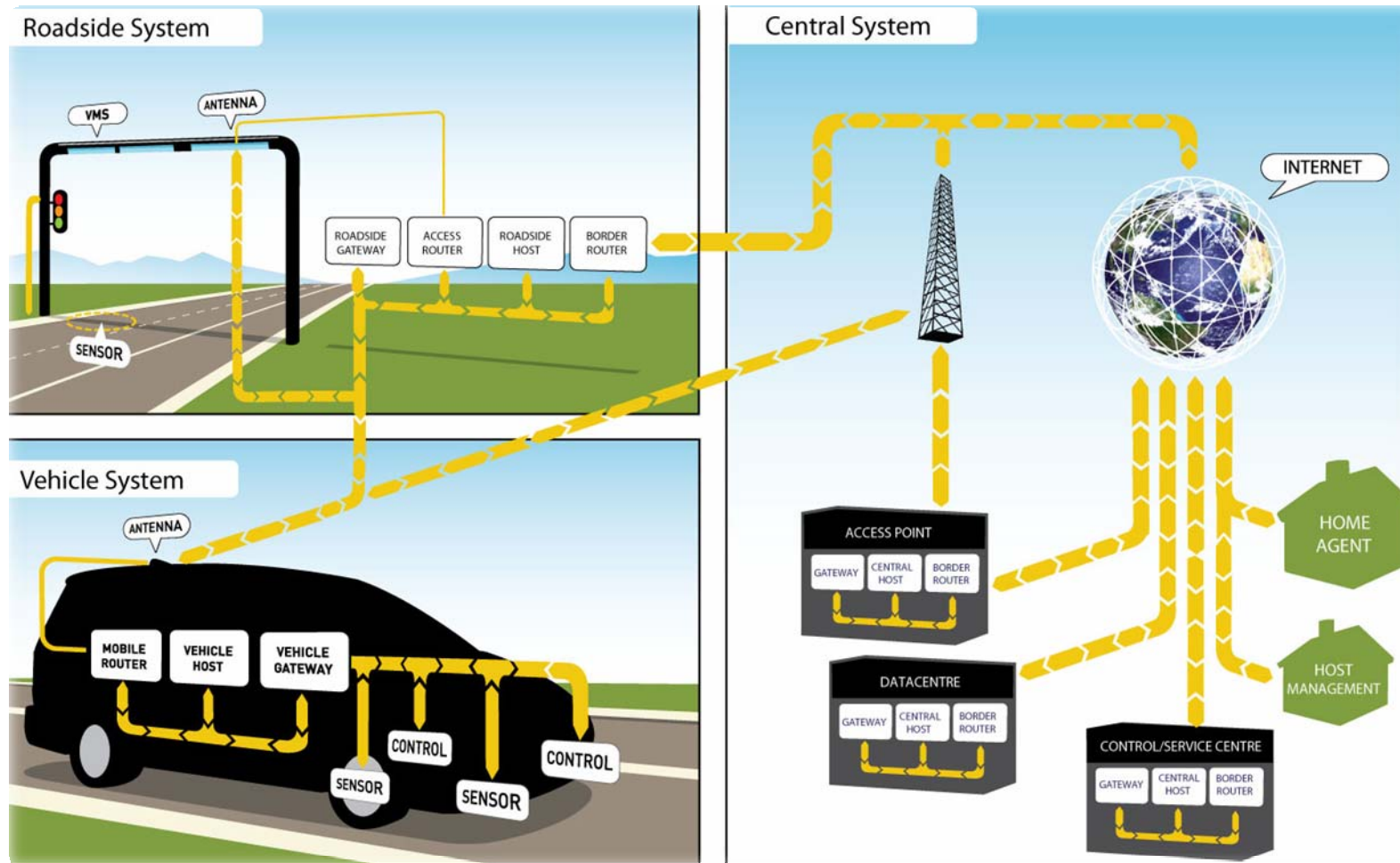
Coordinator: ERTICO
Budget/EC funding: M€41/22
Partners: 61 partners





Technology developments (a few examples)

CVIS





Technology developments

CVIS Core Software



- The CVIS Core Software toolkit offers
 - vehicle-to-vehicle and vehicle-to-infrastructure communication protocol stack
 - channel-switching (3G, 802.11p, IR)
 - software provisioning and service announcement
 - life cycle management of services and applications
 - quick and easy application creation
 - software freely available for other projects and users under the CVIS license agreement

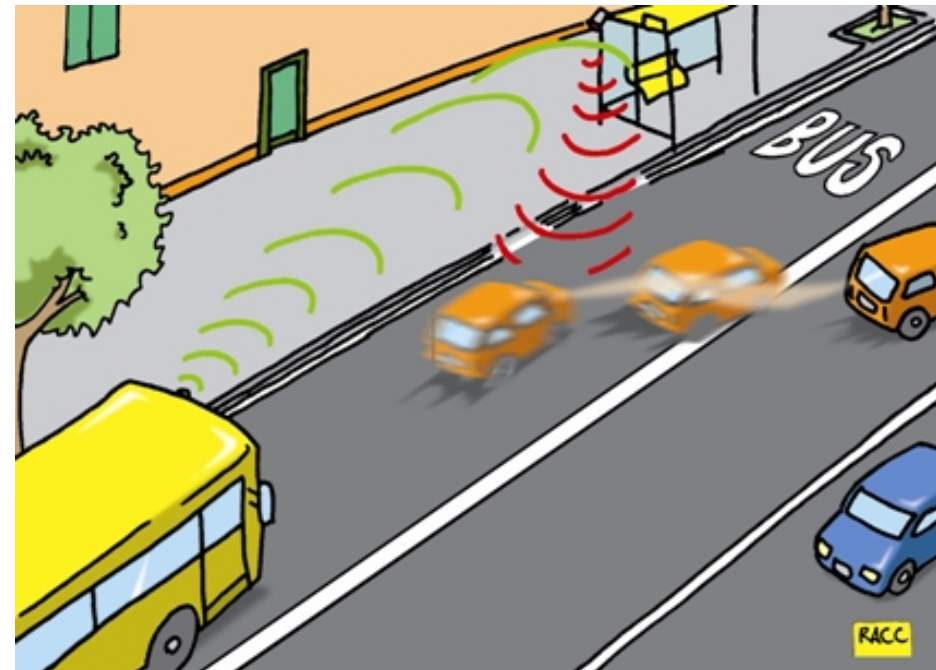




CVIS Applications

URBAN

- Cooperative network management
- Cooperative area destination-based control
- Cooperative acceleration/deceleration
- Dynamic bus lane



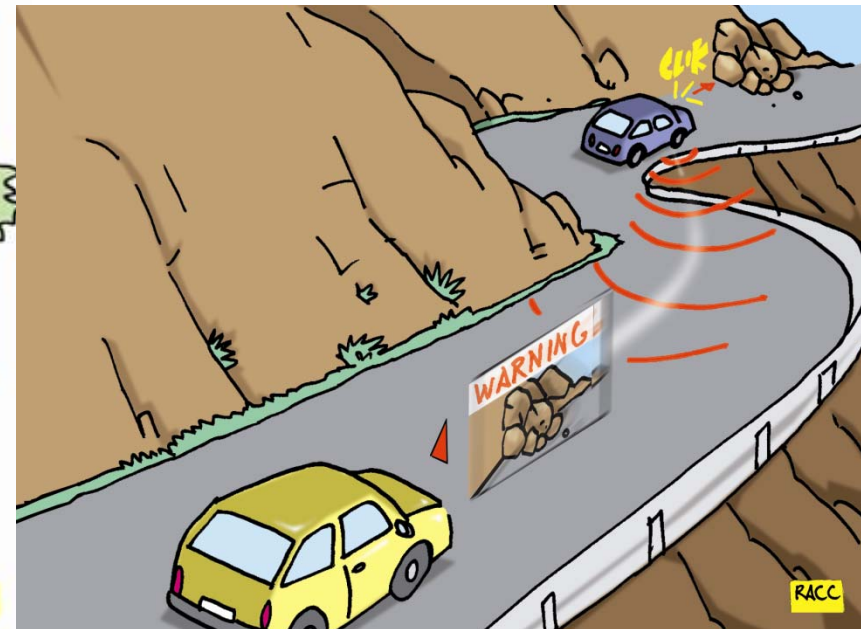
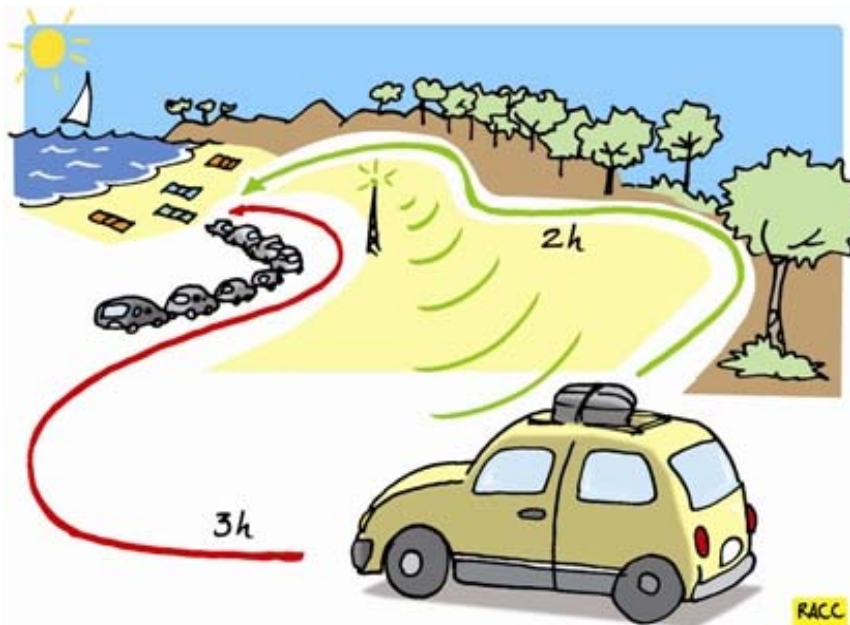


CVIS Applications

INTERURBAN

- Cooperative travellers' assistance
- Enhanced driver awareness

CVIS

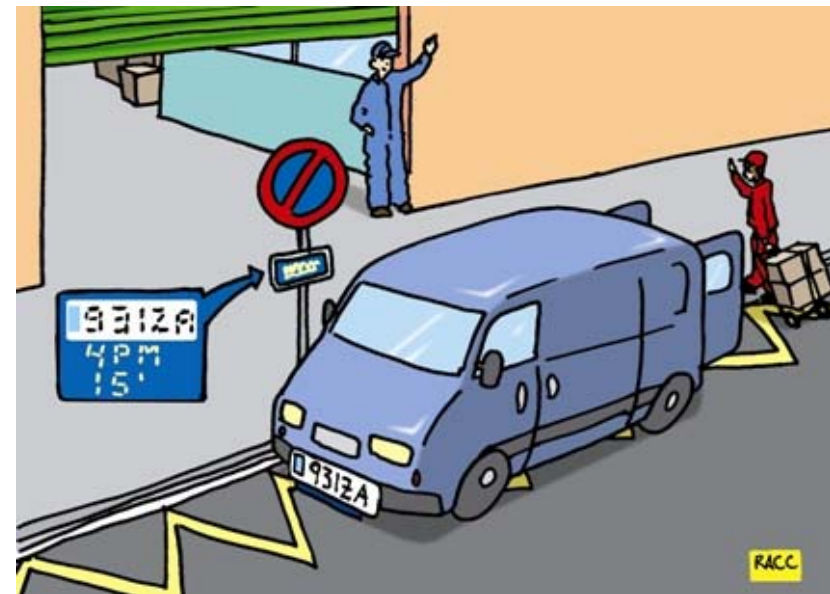
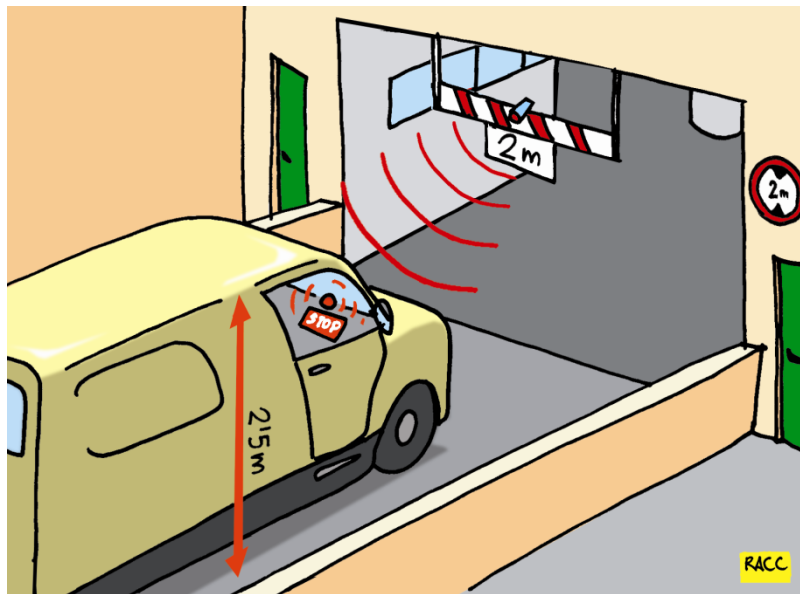




CVIS Applications

FREIGHT & FLEET

- Access control
- Dangerous goods
- Parking booking





Standardisation



Other projects/
activities/bodies



ETSI TC ITS

- WG1: User & Application Requirements
- WG2: Architecture and Cross Layer
- WG3: Transport&Network
- WG4: Media and Medium
- WG5: Security



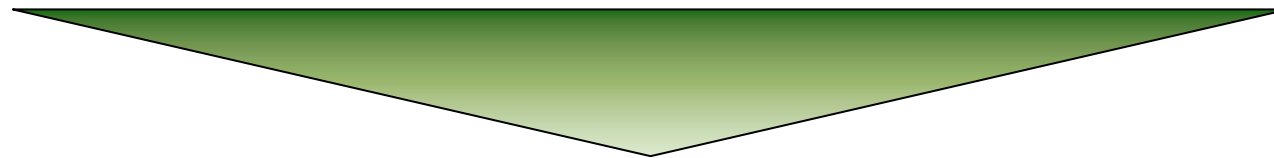
- Radio Channel Recom.
(ETSI EN 302 571)

Harmonised standard



Results on show

- ICT Conference and Exhibition (25-27 November 2008, Lyon)
- CS Workshop and Product Launch (10-11 December 2008, Berlin)
- CVIS Showcase 2009 (11-13 May 2009, Helmond)
- CVIS Demonstrators across Europe (June – Oct 2009, 7 countries)
- ITS World Congress (21-25 September 2009, Stockholm)



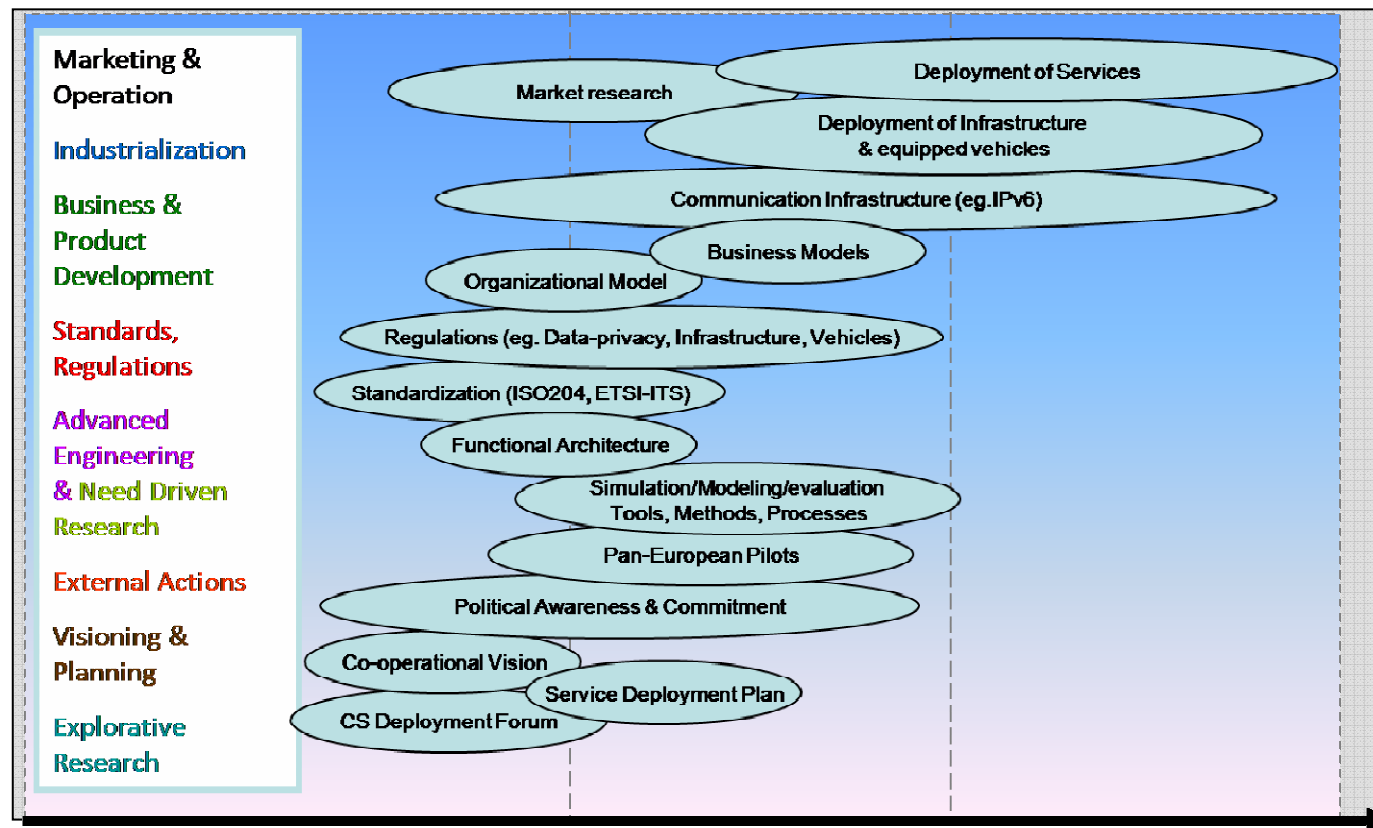
Cooperative Systems Showcase 2010





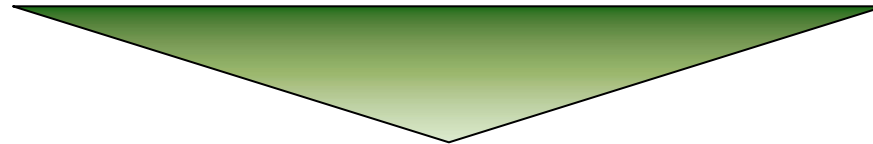
Steps to deployment

Deployment roadmap is one of 8 deployment oriented activities in CVIS.
Others (Privacy, User acceptance and usability, policy, business models, etc...)





CVIS Cooperations



CS Cluster



New Projects

Pre-DRIVE2X
FOT-Net
Wisecar

Call 6

FOT on
Cooperative
Systems

Other Projects



SmartFreight



SIM-TD
AKTIV



DRIVE

International Cooperation

VII, SAFETRIP21,
USA

Smartway,
Japan



Thank you and welcome!

Cooperative Systems Workshop & Product Launch Event

10 - 11 December 2008 - Berlin

For more information please:
email cvis@mail.ertico.com
or visit www.cvisproject.org

