



Workshop

“Updating the Strategic Research Agenda on ICT for Mobility”

Brussels, 27 April 2010

Alessandro Coda - EUCAR
Chair of the eSafety RTD WG

[Workshop objective

1/2



The eSafety RTD Working Group has the long tradition in preparing and maintaining the Strategic Research Agenda (SRA) on ICT for Mobility

Regularly, this SRA is updated, taking into account the European Commission's research work programs and policies, the results of the calls for proposals and the developments in ICT for Mobility research

[Workshop objective

2/2



A draft update of the SRA has recently been produced by the eSafety RTD Working Group

The **workshop** intends to **review** this draft update, get **feedback** from other experts and check it against the coming ICT work programmes of the European Commission

The results of this workshop will be integrated into the final version of the updated SRA

[eSafety Forum

Established in early **2003** by the Commission in close co-operation with the industry, industrial associations and public sector stakeholders, the eSafety Forum is a **joint platform** involving all road safety stakeholders

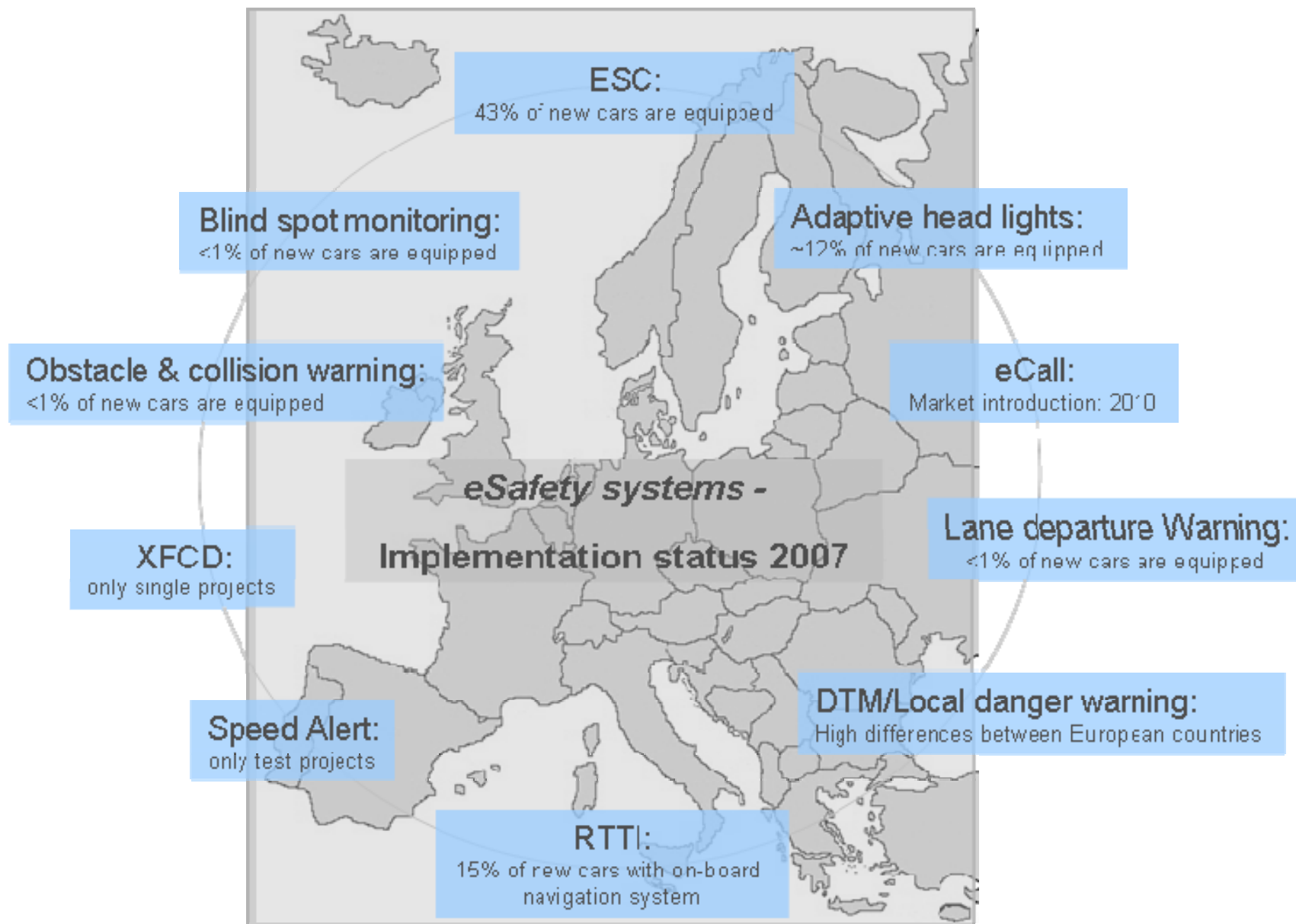
Its general objective is to promote and monitor the implementation of the **recommendations** identified by the eSafety Working Groups and to support the **development, deployment and use of eSafety systems**



Workshop “Updating the Strategic Research Agenda on ICT for Mobility”
 Jointly organised by European Commission & eSafety Forum RTD working group
27 April 2010 – Brussels

Time	Agenda Item			
10.00	Welcome and Introduction			Helen Köpman - EC Alessandro Coda – RTD WG
10.10	Updating the eSafety Strategic Research Agenda “ICT for Mobility”			Alessandro Coda
10.30	Outlook on ICT for Mobility in future ICT work programmes			Helen Köpman
10.50	<i>Break out sessions in sub-groups (part 1)</i>			
	(A) Service Platforms for Cooperative Systems and urban mobility	(B) Integration of the Fully Electric Vehicle in the cooperative infrastructure	(C) ICT for low carbon, multimodal transport logistics	(D) Cooperative Systems for low carbon, multimodal mobility
	Moderator: Jean-Pierre Medevielle (INRETS) EC: Stefanos Gouvras Expert: Filippo Sesia (CRF)	Moderator: Alessandro Coda (EUCAR) EC: Irmgard Heiber Expert: Richard Aumayer (Bosch)	Moderator: Francesc Rosines (ATOS) EC: Wolfgang Höfs Expert: Peter Sonnabend (DHL – Deutsche Post AG)	Moderator: Timo Kosch (BMW) EC: Emilio Dávila-Gonzalez Expert: Luisa Andreone (CRF)
12.30	Lunch			
13.30	<i>Break out sessions in sub-groups (part 2)</i>			
15.00	Presentation of the sessions results and discussion in plenary			Session moderators / All
15.45	Conclusion			Co-chairpersons
16.00	End of Workshop			

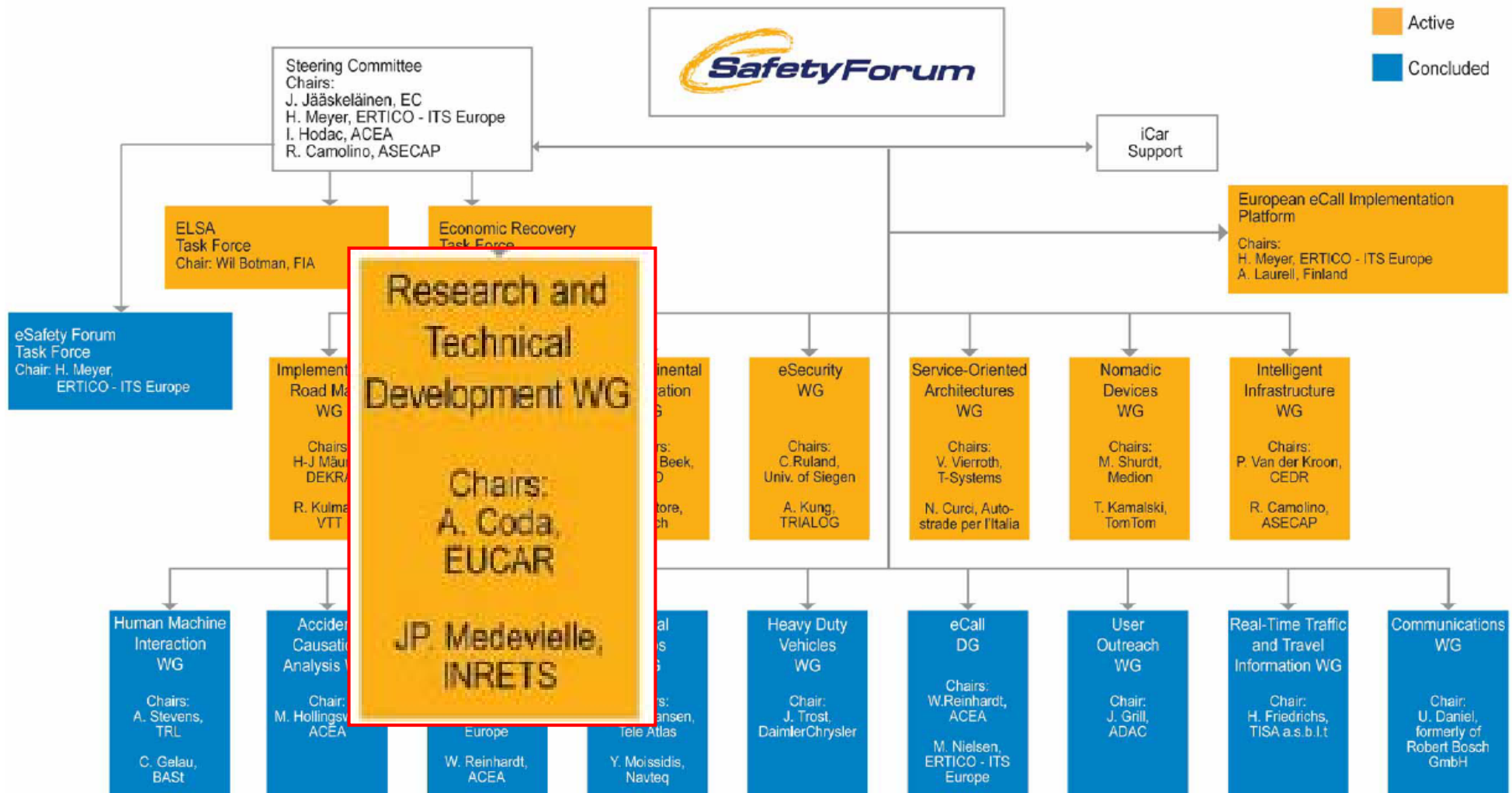
eSafety Functions Implementation



Source: Implementation Road Maps WG Final Report March 2008



eSafety Forum Structure



[eSafety RTD Working Group



SafetyForum Working Group RTD October 2009

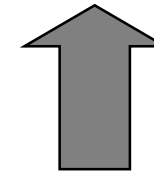
SafetyForum Working Group RTD December 2007

Strategic Research Agenda
ICT for Mobility

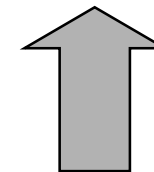
DECEMBER 2006

Li

eSafety WG RTD
Recommendations on
future ICT R&D
April 2010



SRA ICT for Mobility
Update 2007-2008



SRA ICT for Mobility
December 2006



[eSafety RTD WG: Updated SRA



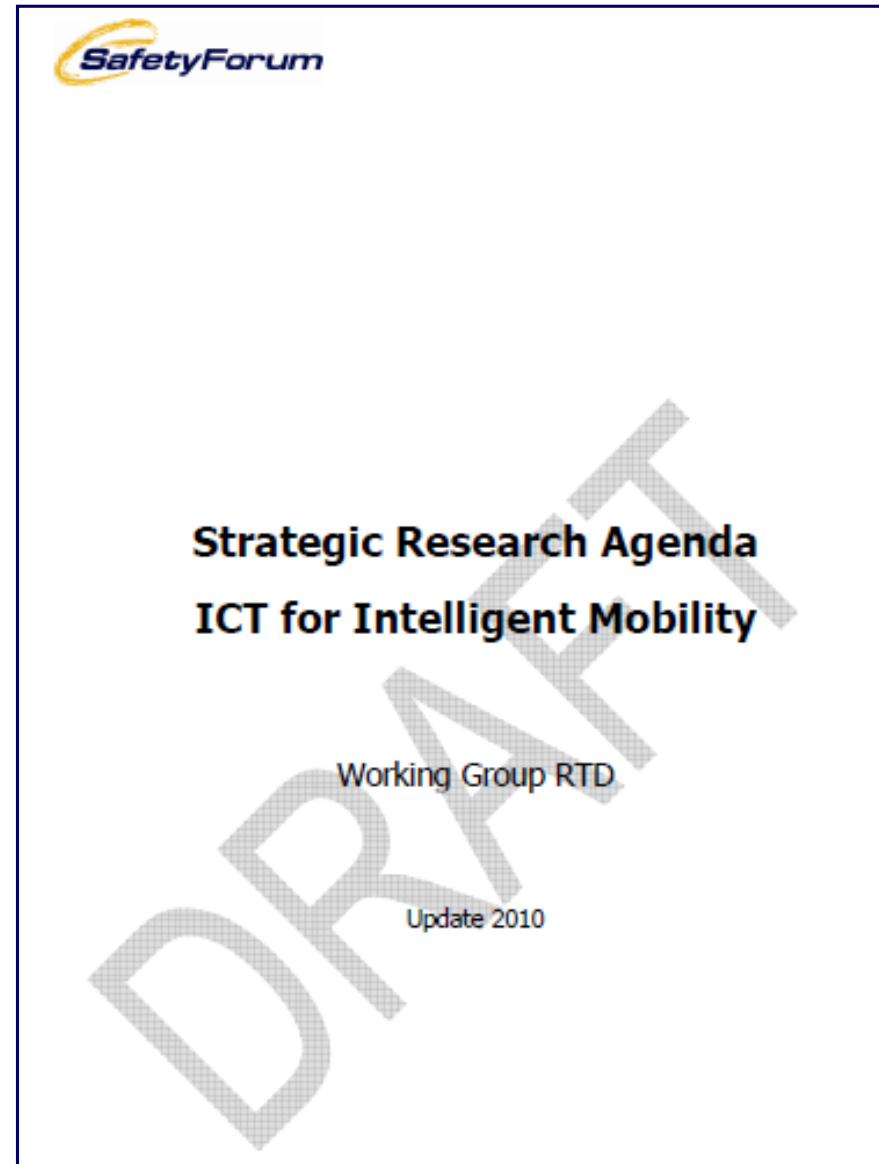
The eSafety RTD WG:

- ❑ Is working on the ICT for Mobility RTD needs for eSafety and Intelligent Car Initiatives
- ❑ Has been asked by the eSafety European Economic Recovery Plan Task Force (December 2008 /January 2009) to make an inventory and recommendations:
How ICT/ITS research can be used to support the ECGI and especially electric vehicles

[eSafety RTD WG: Updated SRA

eSafety RTD WG focus:

- **Development of ICT technologies, components and systems for a fully electric vehicle, including the necessary infrastructure**



[Strategic Research Agenda ICT for Intelligent Mobility



Long term vision for Intelligent Mobility:

- **Near zero accidents**
- **Minimised delays**
- **Near zero environmental impact**
- **Fully informed travellers**

Development of a fully integrated multimodal transport network which ensures efficient and safe movement of people and goods

Public authorities, industry, and other private organisations, in partnership, to undertake a substantial RTD effort moving forward ICT-based eSafety technologies

[Strategic Research Agenda ICT for Intelligent Mobility: RTD actions



- **Sustainable Road Transport**
- **Sustainable Urban Mobility**
- **Road Transport Safety**
- **ICT and the Decarbonisation of Transport**
- **Deployment**
- **Horizontal Issues**

[SRA ICT for Intelligent Mobility RTD action

- **Sustainable Road Transport**
 - **Road Users**
 - **Vehicles**
 - **Transport Services**
 - **Logistics Services**
 - **Road Operators**



[SRA ICT for Intelligent Mobility RTD action



- **Sustainable Urban Mobility**
 - **Data collection**
 - **Analysis of the state of the transportation network**
 - **Integrated transportation networks**
 - **Urban mobility of goods**

[SRA ICT for Intelligent Mobility RTD action



- **Road Transport Safety**
 - **Vehicle System Architectures**
 - **Cooperative systems**
 - **Collision avoidance and crash mitigation of EV and low-weight vehicles**
 - **Electric vehicles ADAS for vulnerable road-users (silent vehicles to be detected by all road-users)**

[SRA ICT for Intelligent Mobility RTD action

- **ICT and the Decarbonisation of Transport**
 - **ICT systems to be adapted**
 - **Integrate electric vehicles fully into the urban mobility system**
 - **Integration with other modes**
 - **Demand management**
 - **Charging systems**



[SRA ICT for Intelligent Mobility RTD action

- **Deployment**
 - **Market development**
 - **Field Operational Tests**
 - **Data collection**
 - **Modelling: traffic & emission models**
 - **Simulation**



[SRA ICT for Intelligent Mobility RTD action



- **Horizontal issues**
 - **Assessment methods**
 - **Quality standards**
 - **Business models**
 - **Training and education**
 - **Human factors**
 - **Organisational perspectives**
 - **International R&D collaboration**