



The eSafety Initiative and ICT for Clean Mobility

ICT for Clean mobility WG Kick-off meeting
6 December 2006, Brussels

eSafety Support
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What is eSafety

- eSafety brings together:
 - the **EC**,
 - the **industry**, and
 - **other stakeholders**
- With the aim of:
 - accelerating the **development**,
 - accelerating the **deployment**, and
 - Accelerating the **use**of **Intelligent Vehicle Safety Systems (IVSS)** based on **ICT**,
- In order to:
 - **increase road safety**, and
 - **reduce the number of accidents** on Europe's Roads.



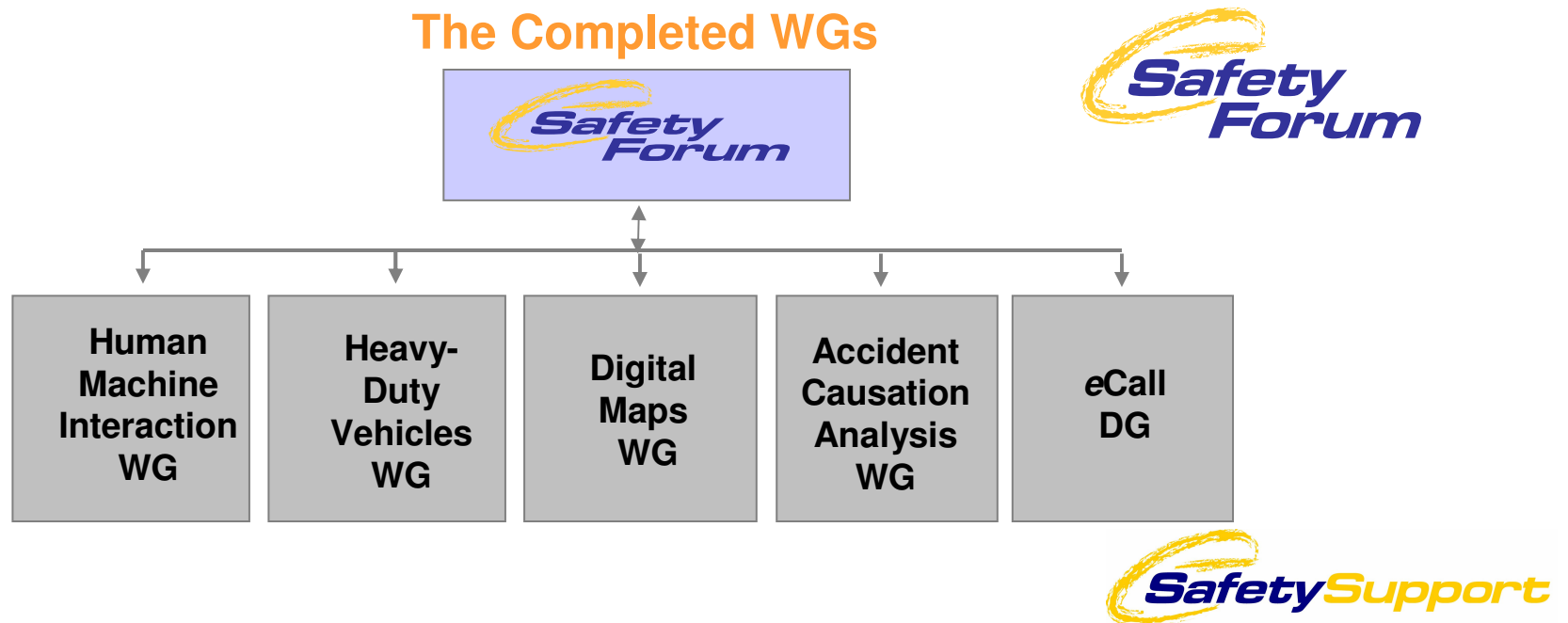
Who is involved

- Stakeholders
 - European Commission
 - Member States
 - Road and Safety Authorities
 - Automotive Industry
 - Telecommunication Industry
 - Service Providers
 - User Organizations
 - Insurance Industry
 - Technology Providers
 - Research Organizations
 - Road Operators

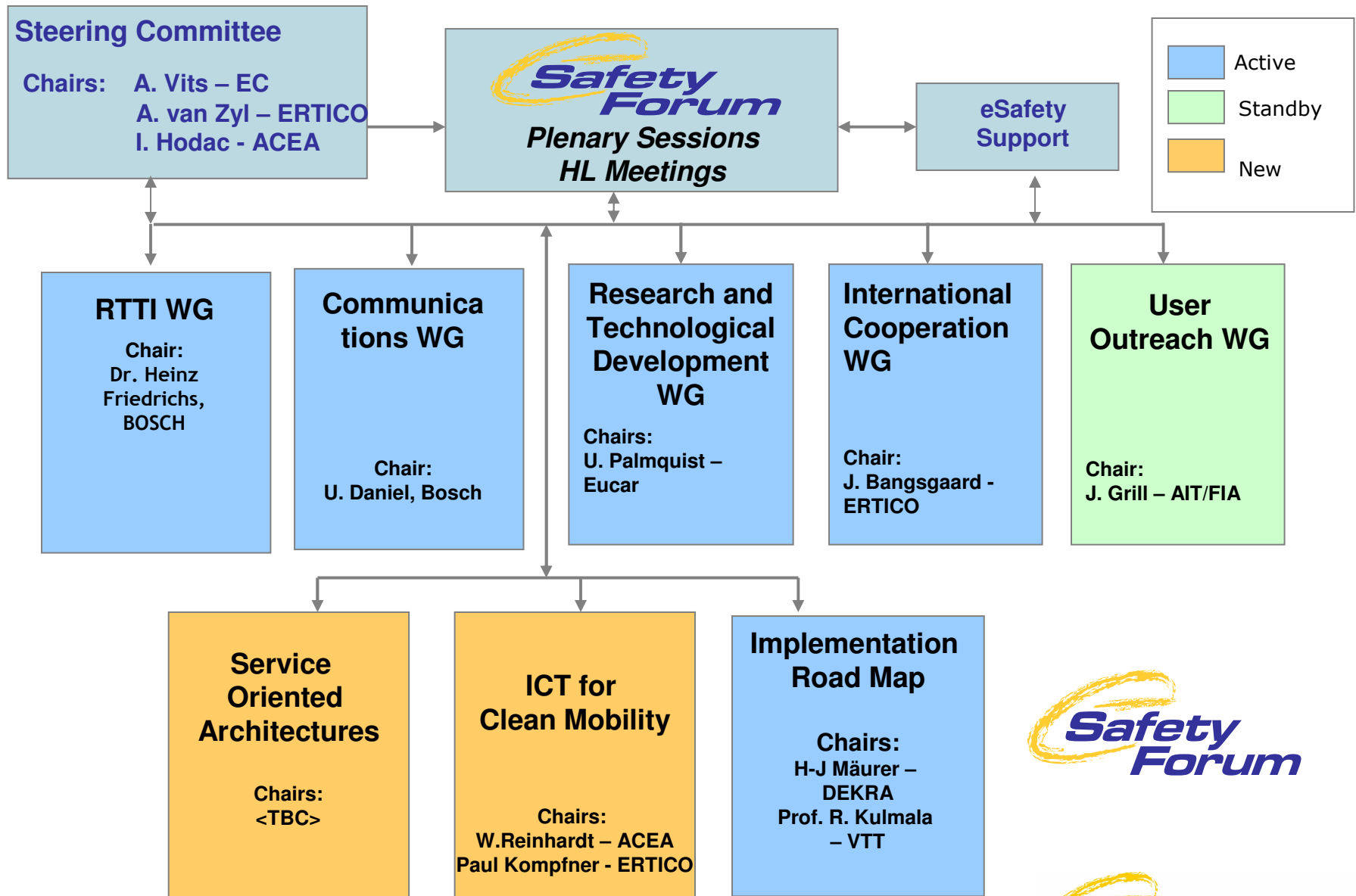


The eSafety Forum

- Established in 2003, co-chaired by the EC, ERTICO and ACEA, has now over 220 members representing all road safety stakeholders
- Aims at **removing the bottlenecks to market implementation** through **consensus building among stakeholders** and **recommendations to the Member States and the EU**
- It has established **industry-led Working Groups** that work on priority topics. It has produced a consistent number of valuable reports

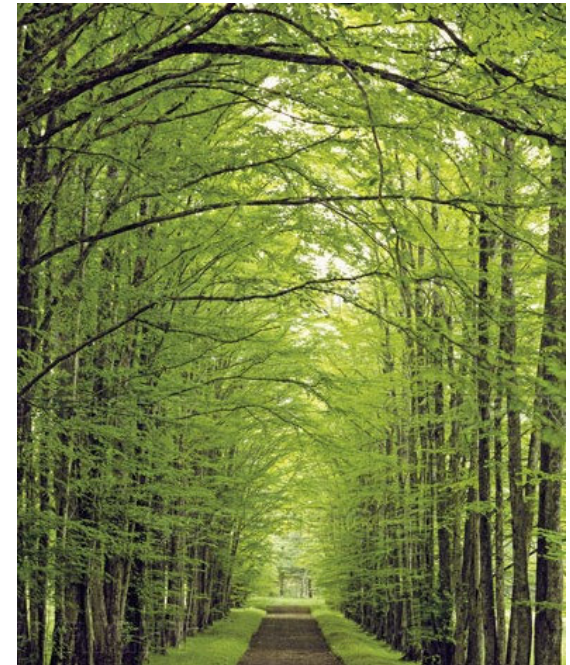


eSafety Forum: The Active WGs 2006



ICT for Clean Mobility WG and eSafety

- **Why a WG on ICT for Clean mobility?**
 - To mobilise the various sectors that need to cooperate in identifying possible new solutions for using ICT for cleaner and efficient mobility
- **An eSafety Working Group does not:**
 - Make any technological research
 - Develop new technologies
- **Keywords:**
 - **Synergies:** possible integration of environmental features within the eSafety technological and political platform
 - **Deployment:** support progress in deploying the many different technologies, systems, applications, services (identifying barriers and overcoming them)



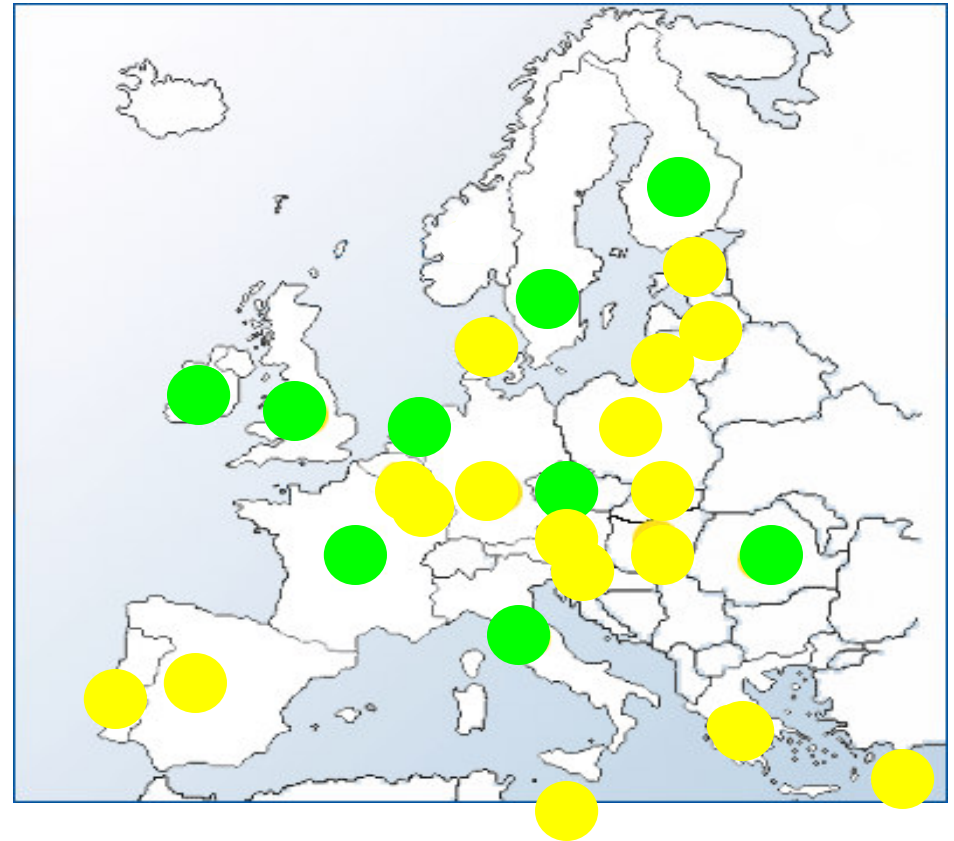
ICT for Clean Mobility in Europe Survey

Answered the questionnaire

- ✓ Czech Republic
- ✓ Finland
- ✓ France
- ✓ Ireland
- ✓ Italy
- ✓ The Netherlands
- ✓ Romania
- ✓ Sweden
- ✓ United Kingdom

Did not answer the questionnaire yet

- ✓ Austria
- ✓ Belgium
- ✓ Cyprus
- ✓ Denmark
- ✓ Estonia
- ✓ Germany
- ✓ Greece
- ✓ Hungary
- ✓ Latvia
- ✓ Lithuania
- ✓ Luxembourg
- ✓ Malta
- ✓ Poland
- ✓ Portugal
- ✓ Slovakia
- ✓ Slovenia
- ✓ Spain



Environmental Traffic Management Strategies

	TCS	RDS TMC	TLS	JPS	PM	GDM
Czech Republic	Green	Green				
Finland	Green	Green		Green		
Ireland	Green		Green			
France	Green		Green			Green
Italy	Green		Green		Green	Green
The Netherlands	Green				Green	Green
Romania	Yellow		Green			
Sweden	Green	Green	Green		Green	
UK	Green		Green	Green	Green	Green

- TCS: Traffic Control System/Congestion Management Centre
- RDS/TMC: Radio Data Systems/ Traffic Message Channel
- TLS: Traffic Light Synchronisation
- JPS: Journey Planner Support
- PM: Parking Management
- GDM: (Urban) good delivery management / Heavy-good priority

On-line environmental info systems

- **Information transmitted by radio, RDS, TMC**
- **Air Quality measurement (urban/motorways) made available online**
- **In case of air pollution exceeding levels, speed limit on highways is temporarily reduced and a new limit is posted on variable displays on road side (France)**
- **Smog-alerts (Netherlands)**
- **Websites (Sweden, UK)**
 - **Environmental Quality Status Information**
 - **Rout Planners coupled to pollutant generation**
 - **Information about CO₂ emissions in buying new cars**

Infrastructural measures aimed at reducing the negative impact of mobility

- **Priority Systems for Public Transport in Traffic Lights**
- **Park and ride facilities built near large roads outside city centre**
- **Network of pedestrian and bicycle paths**
- **Noise walls against the noise of traffic**
- **Lanes on highway for bus routes**
- **Temporary use of emergency lanes by drivers during peak hours**
- **Protection structures and guidelines for road maintenance to ensure good water quality**

Conclusions

- There are **few ICT solutions for Clean Mobility implemented in Europe** (almost no ICT measures at infrastructure level)
- **Cooperative Systems for Environment**: better traffic management can give environmental benefits. The information loop Car-Infrastructure-Car has a big potential
- **Public transport** is an important when try to reduce emissions. Make people using it more is an important question. A multimodal travel planner is an important tool in this respect.
- **Avoid overlapping**: Cars21 already looked into the issue of clean mobility. The focus in the WG should be “what we can achieve through the use of ICT?”

***Thank you
for your attention***

Complete survey available at:

www.esafetysupport.org/download/eSafety_Activities/eSafety_Observers/Stockholm_Helsinki_2_3_November_2006/CleanMobilityQuestionnaire.pdf

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