

# [ eSafety and iMobility Forum

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Reykjavik 2012

# Structure

- eSafety Forum
- From eSafety to iMobility Forum
- National road authority involvement
- Implementation Road Maps
- Conclusions

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# eSafety Forum

The **eSafety Initiative** was launched in 2002 as a **joint initiative** of the European Commission, industry and other stakeholders.

It aims at accelerating the development, deployment and use of Intelligent Integrated Safety Systems that use Information and Communication Technologies (ITC) in intelligent solutions, in order to **increase road safety and reduce the number of accidents on Europe's roads.**





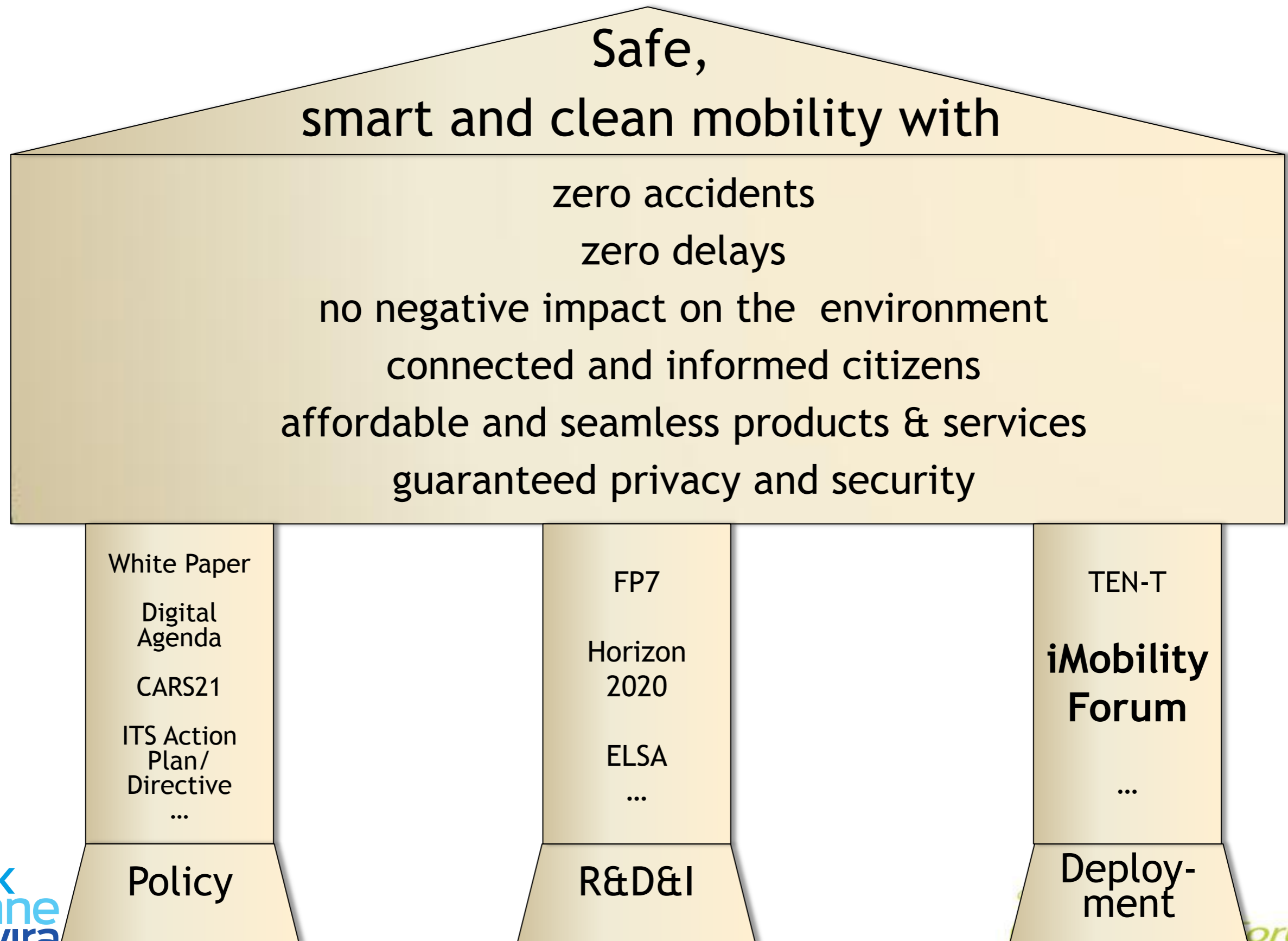
# From eSafety to iMobility Forum

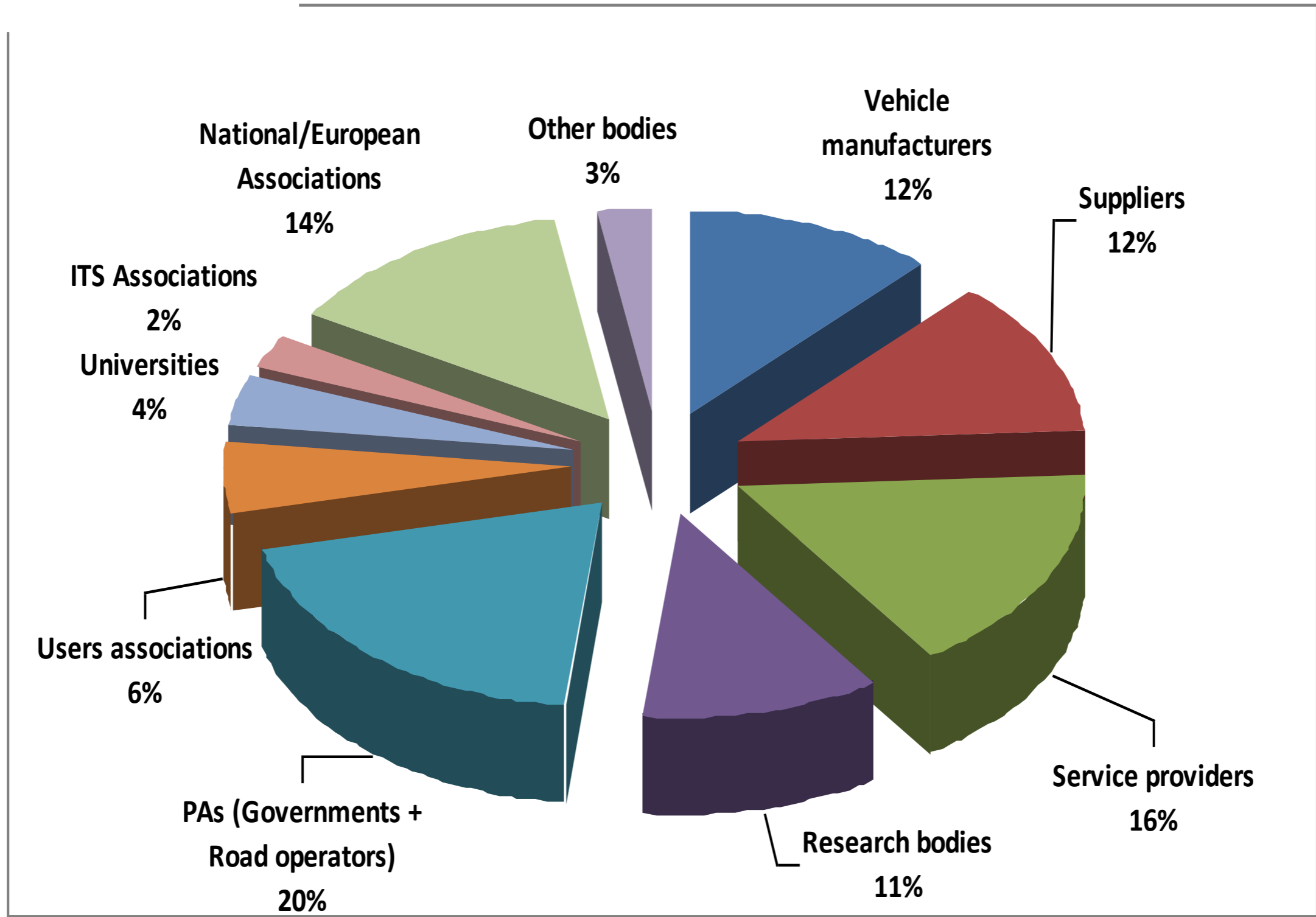
## Change of Focus

- The iMobility Forum 2011-
  - Reflecting the European policy change
  - Multi-stakeholder Forum focusing on deployment of iMobility, i.e. safe, smart\* and clean road mobility
  - 22 new recommendations replacing the 28 old ones
  - Building on working groups focusing on key actions to fulfill recommendations

\* smart: makes the user's life and mobility easier and more comfortable, and that can be the primary reason that the user is paying for the system/service

# Vision and its three pillars





- What would they benefit from WG membership?
  - Have impact on Forum priorities
  - Have impact on European development/deployment
  - Safeguard own interests
  - Improve influence, image and visibility
    - All of the above - strengthen and promote the Nordic approach
  - Network with key stakeholders on specific topic
  - Gain and share knowledge

- **NRA members in Forum WGs**
  - **International Cooperation: FI, NL**
  - **Research & Innovation: -**
  - **Implementation Road Maps: FI, NO, SE**
  - **Business Models: AT, DE, NL**
  - **Legal Issues (liability, privacy, competition): ?**
  - **ICT for Energy Efficiency: AT, CH, NL, SE**
  - **Digital Maps: NO, SE, BE**
  - **Vulnerable Road Users: ?**
  - **Automation: ?**



# Implementation Road Maps WG Objectives



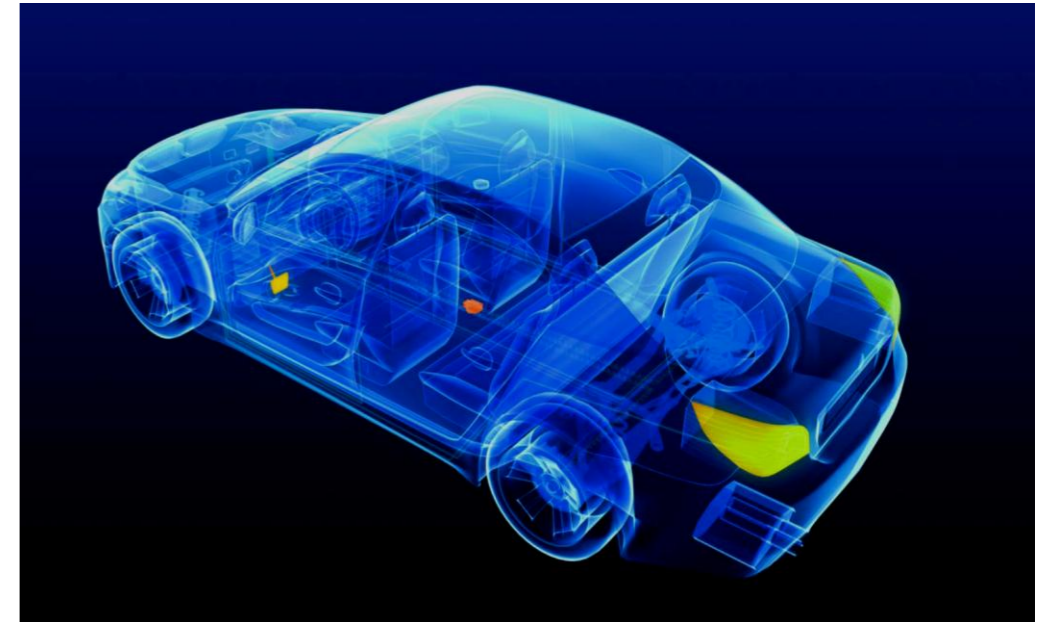
- **Develop, update and monitor regularly implementation road maps up to 2020 (used to be 2010) for the deployment of safe, smart and clean systems in Europe.**
- **Focus on priority systems already on the market**

# Priority systems

## Vehicle-based



- Electronic Stability Control (ESC)
- Obstacle and collision warning
- Emergency braking
- Blind spot monitoring
- Adaptive head lights
- Lane departure warning + Lane keeping assistance



For priority system operation, check:  
<http://www.icarsupport.org/learn/>

# Priority systems

## Infrastructure-related

- Real-time Traffic and Travel Information
- Dynamic traffic management
- Local danger warning
- Extended environmental information (extended FCD)
- eCall
- Speed Alert
- Dynamic navigation
- Eco-driving



# Current focus: monitoring

- Infrastructure related: EasyWay, eCall implementation forum/pilots, ITS Directive
- Vehicle-related: dedicated studies 2012
- Example from Germany:

System description	% deployment
L K A with braking	0,84
L K A with steering	0,92
ACC+	1,22
Active front light	1,29
Adaptive front light system	13,98
Cornering light	18,80
Electro mechanical Parking Brake	21,74
ESC - inclusive ABS	85,85
ABS	97,00

# Conclusions

- Wide forum, covering all stakeholders in the development and deployment of intelligent transports systems, and especially vehicle systems
- Strong international cooperation
- Strong ICT basis
- Cooperative systems integrate vehicles with infrastructure
- Stronger involvement of road authorities and operators required
- Good potential to promote the Nordic approach
- Set up monitoring i.e. statistics, processes
- Safe + clean + **smart**





[ THANK YOU!