



EUROPEAN CITIES AND REGIONS NETWORKING
FOR INNOVATIVE TRANSPORT SOLUTIONS

Polis

Road safety and vulnerable road users: what can we expect from technology ?

European Road Safety Day, Brussels, 6 May 2013

Sylvain Haon, Secretary General

A safer more efficient urban mobility system

- **Enabling safer modes of transport for all road users**



- Accessibility through design, information and services
- **More efficient urban freight delivery systems**

Infrastructures

- **Designing the systems for a better consideration of vulnerable road users will lead to increase their safety:**
 - Better detecting them: pedestrian and cycling detection
 - Building a network management system which better take their flow into account: better traffic signaling systems, take into account average walking journey time for instance
 - Designing the infrastructure for them
- **Enforcing traffic rules more efficiently!**



Individuals

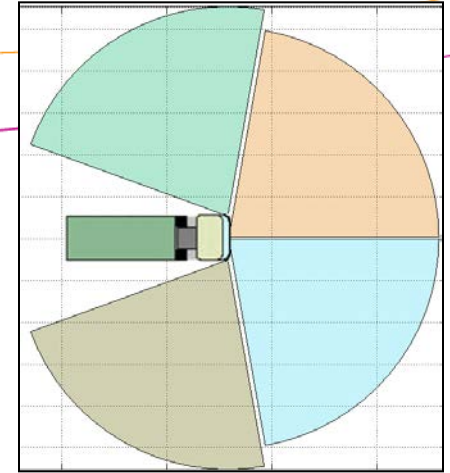
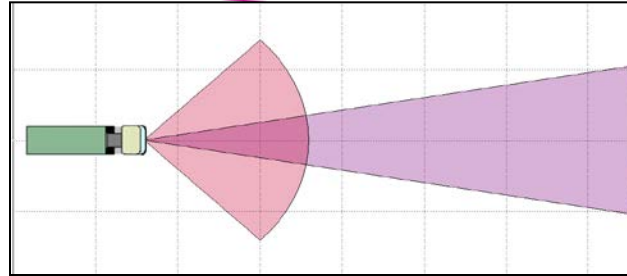
- **Better knowing the road users and their behaviour**
 - Why are they more vulnerable ?
 - In which situation ?
 - How do they behave ?
- **Individuals are the central elements: technology is only providing support, individuals remain at the centre of the transport system and the main factor for a safer road system:**
 - Responsibility should rest with individuals
 - Technology fails



Vehicles

- **Driver assistance**

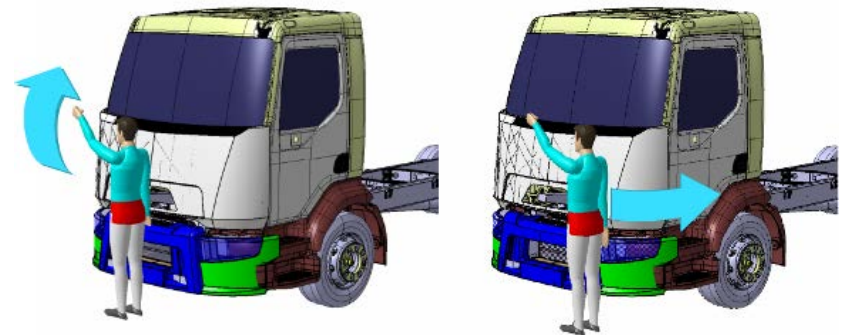
- Radars
- Cameras



- **Obstacle detection technology**

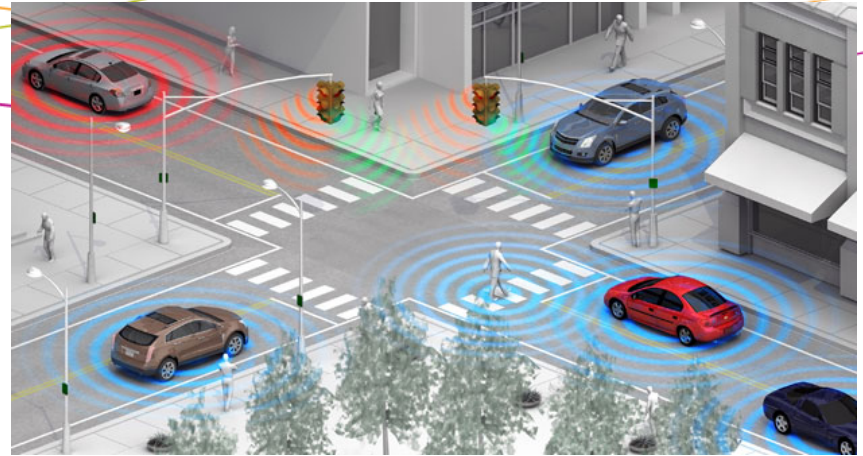
- **Vehicle design**

- **Other vehicles: bicycles, PTW, etc.**



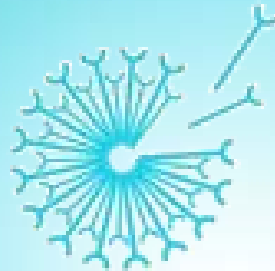
Cooperative systems

- Intelligent Speed Adaptation
- Detection of VRUs
- A way forward for cooperative bicycles ? pedestrians ? E-bikes ?
- potential for PTW



Watch-over





vruits

IMPROVING THE SAFETY AND MOBILITY

OF **V**ULNERABLE **R**OAD **U**SERS THROUGH **I**TS APPLICATION

I – FP 7 project funded by the EC DG MOVE, coordinated by VTT

II – Objectives

- 1. Assess societal impacts of selected ITS, and provide recommendations for policy and industry regarding ITS in order to improve the safety and mobility of VRUs;**
- 2. Provide evidence-based recommended practices on how VRU can be integrated in Intelligent Transport Systems and on how HMI designs can be adapted to meet the needs of VRUs, and test these recommendations in field trials**

III – Trials in Helmond (NL) and Valladolid (S)

IV – VRUITS welcome associated members and participants to its interest group

The first interest group workshop will take place on the 28th of September 2013 in Brussels.

More information

Sylvain Haon
shaon@polisnetwork.eu
www.polisnetwork.eu

