



- Summary of results and recommendations

<http://ec.europa.eu/roadsafety>

The IMPROVER study

Commissioned by the EC 2004 - 2006

- SUVs and multipurpose vehicles
- Safety aspects of light vans
- Cruise control
- Harmonisation of **fixed road signs** and **road markings** on the **TEN-T Road Network**

4th sub-report: road signs and markings

Who and why

- Technical Research Centre of Finland (VTT)
- + 6 research institutes in partnership
- 70 000 km TEN-T road network
- 5000 fatalities/year (2002)

4th sub-report: road signs and markings

4 clusters of proposed action

- measures for harmonisation on short-term
- measures on short-term but more analysis needed
- measures for long-term
- measures possibly for the long-term but research needed

4th sub-report: road signs and markings

First cluster: short-term

- Mapping of TEN-T roads
- Harmonising **exit count-down signs** and **retro-reflective road markings**
- On-line information on European road signs

4th sub-report: road signs and markings

Second cluster: short-term needs more analysis

- Increased presence of **E-road numbers** and **exit numbers**
- Consider updated Vienna Convention on
 - > Direction sign positions at intersections
 - > Maximum number of destinations and letter size on direction signs
 - > Road numbers as a destination

4th sub-report: road signs and markings

Third cluster: long-term

- Harmonisation of **profiled road markings** and **night-time visibility** of road markings
- Promote road safety audits

4th sub-report: road signs and markings

Fourth scenario: long-term needs more analysis

- Consider further research – 14 road sign aspects

Thank you for your attention!