SafetyCube
Safety CaUsation, Benefits and Efficiency
CARE Experts Meeting, 8 October 2015

Co-funded by the Horizon 2020
Framework Programme of the European Union
SafetyCube project

Funded by the European Commission under the Horizon 2020 research framework programme

Coordinator: Pete Thomas, Loughborough University

Start: May 2015

Finish: April 2018
SafetyCube project

17 partners from 12 countries within EU
SafetyCube primary objective

Road Safety Decision Support System

Risks

Measures

Policy-makers & stakeholders

- strategies
- measures
- cost-effective approaches

Reduce casualties
- All road users
- All severities
SafetyCube aims

1) To **develop** new analysis methods for
   (a) **Priority** setting
   (b) Evaluating the **effectiveness** of measures
   (c) Monitoring serious injuries and assessing their socio-economic costs
   (d) Cost-benefit analysis taking account of human and material costs

This will allow to collect and compile information more efficiently
SafetyCube aims

2) **Apply** the new analysis methods to safety data to identify:
- key accident causation mechanisms
- risk factors
- most cost-effective measures for fatally and seriously injured casualties

Using these new techniques will support decision makers to apply the right solutions for the identified problem.
3) Develop an web-based Road Safety Decision Support System which will remain operational and be accessed and updated beyond the completion of the SafetyCube project.
SafetyCube aims

4) Enhance the European Road Safety Observatory and work with road safety stakeholders to ensure the results of the project can be implemented as widely as possible.
Project structure

WP 3
Development and validation of the methodological framework

WP 4
Road user behaviour analysis

WP 5
Infrastructure safety analysis

WP 6
Vehicle safety analysis

WP 7
Serious road injuries, analysis and strategy

WP 8
European road safety policy decision support system

Government and Industry road safety stakeholders

Kick off meeting
Project structure

WP 1 Project management

WP 2 Dissemination and Stakeholder Consultation

WP 3 Development and validation of the methodological framework

WP 4 Road user behaviour analysis

WP 5 Infrastructure safety analysis

WP 6 Vehicle safety analysis

WP 7 Serious road injuries, analysis and strategy

WP 8 European road safety policy decision support system

Government and Industry road safety stakeholders

Kick off meeting

European Commission, related research projects

Government and Industry road safety stakeholders
Project structure

Kick off meeting

WP 1 Project management

European Commission, related research projects

WP 2 Dissemination and Stakeholder Consultation

Government and Industry road safety stakeholders

WP 3 Development and validation of the methodological framework

Accident analyses

WP 4 Road user behaviour analysis

WP 5 Infrastructure safety analysis

WP 6 Vehicle safety analysis

WP 7 Serious road injuries, analysis and strategy

WP 8 European road safety policy decision support system

Government and Industry road safety stakeholders

WP 8

European Commission, related research projects

WP 1 Project management
Project structure

Kick off meeting

**WP 1** Project management

**WP 2** Dissemination and Stakeholder Consultation

**WP 3** Development and validation of the methodological framework

**WP 4** Road user behaviour analysis

**WP 5** Infrastructure safety analysis

**WP 6** Vehicle safety analysis

**WP 7** Serious road injuries, analysis and strategy

**WP 8** European road safety policy decision support system

Government and Industry road safety stakeholders

Government and Industry, related research projects
Project structure

- **WP 1**: Project management
- **WP 2**: Dissemination and Stakeholder Consultation
- **WP 3**: Development and validation of the methodological framework
- **WP 4**: Road user behaviour analysis
- **WP 5**: Infrastructure safety analysis
- **WP 6**: Vehicle safety analysis
- **WP 7**: Serious road injuries, analysis and strategy
- **WP 8**: European road safety policy decision support system

**Government and Industry road safety stakeholders**

**Kick off meeting**

**European Commission, related research projects**
WP7. Serious road injuries, analysis and strategy

Objectives

1. Assess and improve estimation of numbers of serious road injuries
2. Determine and quantify health impacts
3. Estimate economic and immaterial costs
4. Identify key risk factors related to serious injuries and their health impacts
WP7. Deliverables and Milestones

D7.1 Practical guidelines for registration and monitoring of serious road injuries (M17)
D7.2 Review of physical and psychological consequences of serious road injuries (M20)
D7.3 Costs related to serious road injuries (M24)
D7.4 Main risk factors related to large health impacts (M31)

M7.1 Main risk factors associated with serious road injuries and their health impacts (M27)
WP7. Methods

1. **Survey** among EU Member states we will provide
   - an overview of the data
   - and procedures that are applied across Europe

2. **Survey** to The Netherlands, France, UK, Belgium and Spain
   - Describe the process of estimating the number of serious road injuries in more detail for a number of countries that have good data or use interesting data sources (**good practices**)  
     - Surveys conducted on a sub-contracting basis with contracting partner KfV.
     - Based on the 2 surveys, we will assess the quality of the data from individual countries as well as the reliability of the EU estimates of serious road injuries.
Contact

www.SafetyCube-project.eu