Training material and course presentation

Deliverable 8.4

SafetyCube

Training material and course presentation

Work package 8, Deliverable 8.4

Please refer to this document as follows:
Machata **(2018) Training material and course presentation, Deliverable 8.4 of the H2020 project SafetyCube.**

Grant agreement No 633485 - SafetyCube - H2020-MG-2014-2015/ H2020-MG-2014_TwoStages

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Project Start date: 01/05/2015

Duration: 36 months

Organisation name of lead contractor for this deliverable:
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Due date of deliverable:	**30/04/2018**	**Submission date:**	**30/04/2018**

Project co-funded by the by the Horizon 2020 Framework Programme of the European Union
Version: Draft 1
Dissemination Level: PU Public

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

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1 Introduction

1.1 PURPOSE OF THIS DELIVERABLE

This Deliverable summarises the activities and products of SafetyCube's task 8.4 "Training and support for road safety stakeholders on the use of the Decision Support System". The aim of this task was to develop a series of training activities to increase the knowledge amongst stakeholders about the nature and availability of the evidence base within SafetyCube.

1.2 DEVELOPMENT OF TYPE AND CONTENT OF TRAINING TOOLS

In various stakeholder workshops during the earlier phases of the project, attendees were asked about both, required content and functionalities of the SafetyCube Road Safety Decision Support System (DSS) and about related training activities. In relation to the latter, the following four tools were identified and implemented:

1. Physical workshop
2. Quick guides
3. Introductory and instructional videos
4. Webinar

2 Physical Workshop with stakeholders: DSS Launch Event

The DSS was officially opened during a launch workshop on 5 October 2017, in the Nordic House in Brussels (see Figure 1). Around 30 stakeholders from various European and national / regional organisations and authorities attended. See Annex 1 for the workshop invite.
Functionalities and contents of the DSS were presented to the audience and discussed in breakout groups. With regard to the further required training tools, the message from the attendees was that no further physical workshops would be necessary to train users of the DSS, but rather (short) manual(s), videos, and "not-too-long webinar", all to be made available online on the DSS webtool.

Figure 1: Taking a break at the DSS launch event on 5 October 2017, in the Nordic House in Brussels

3 Quick Guides to the DSS

There are two short manuals available for the DSS, one for the various search functions in the DSS and one for the Economic Efficiency Evaluation ("E3") Calculator. The manuals were written by KFV and VIAS institute, with support by NTUA.

3.1 A QUICK GUIDE TO SEARCH FOR RISK FACTORS & MEASURES

This twelve-pages document outlines in simple steps and hand-on examples how to dispatch a query and how to interpret, control and filter the various entries on the results and study pages.

The pdf is available at the DSS's main search page (see Figure 3) or under the following link: https://www.roadsafety-dss.eu/assets/data/pdf/A.Quick.Guide.to.the.SafetyCube.DSS.pdf

Figure 2: The SafetyCube DSS's Quick Guide to Search for Risk Factors & Measures

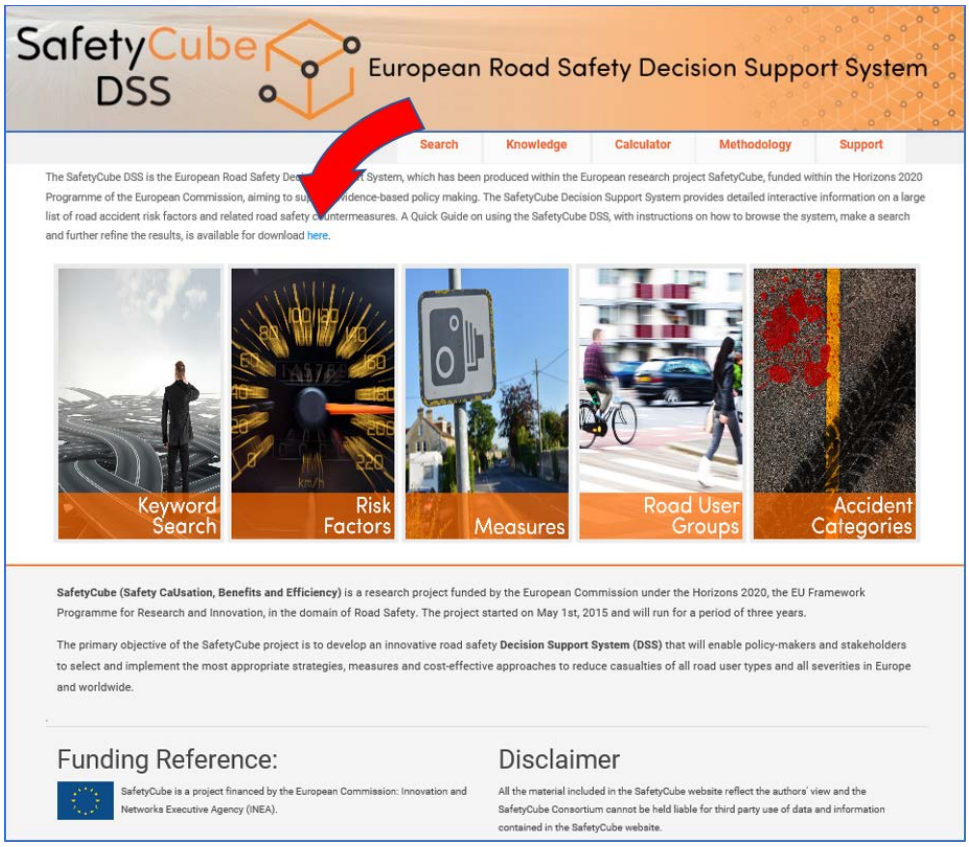

Figure 3: Accessing the SafetyCube DSS's Quick Guide to Search for Risk Factors & Measures

3.2 A MANUAL FOR THE ECONOMIC EFFICIENCY EVALUATION ("E3") CALCULATOR

The manual for the so-called E3-Calculator describes in detail how it can be used to evaluate the economic efficiency of interventions. The tool allows for the combination of information about the effectiveness of a measure (the number of prevented crashes or casualties), the costs of the measure, and the monetary value that is assigned to the avoidance of crashes and casualties (see Figure 4).

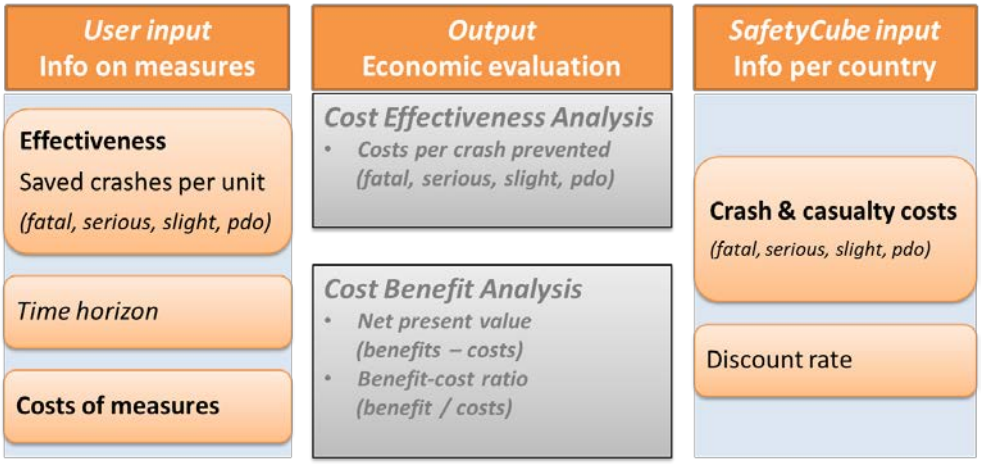

Figure 4: The components of the SafetyCube DSS's Economic Efficiency Evaluation ("E3") Calculator

The pdf is available at the DSS's E3 Calculator page (see Figure 5) which is available at the following link: https://www.roadsafety-dss.eu/#/calculator

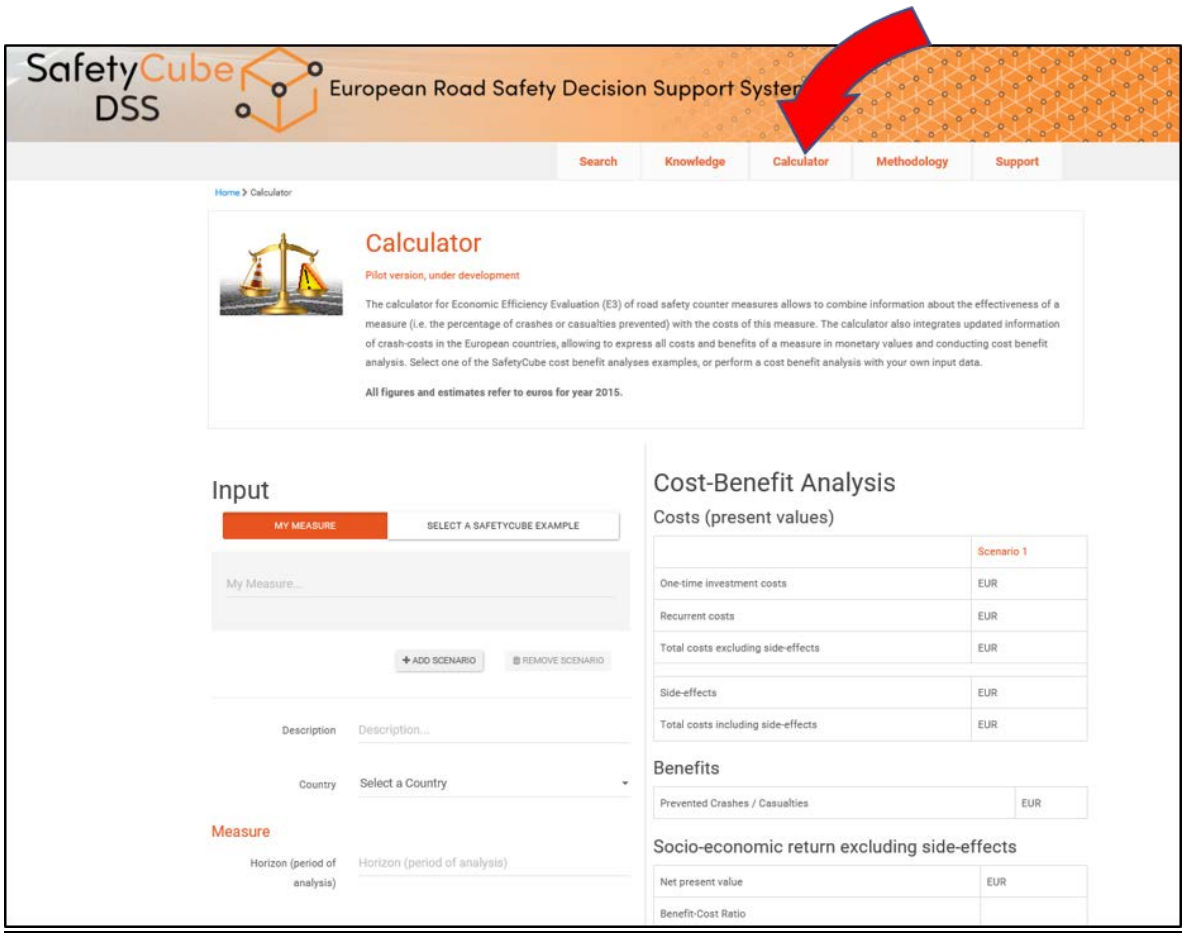

Figure 5: Accessing the SafetyCube DSS's manual for the Economic Efficiency Evaluation ("E3") Calculator

4 Introductory and instructional videos

The DSS features an introductory video to the system and seven instructional videos as a visual hands-on guide how to dispatch a query and how to interpret, control and filter the various entries on the results and study pages. The videos were produced in a joint effort by KFV, SWOV an LOUGH, and integrated in the DSS by NTUA.

4.1 INTRODUCTORY VIDEO

An animated video (length: 90 sec) describes in common-sense language the contents and functionalities of the DSS:

- What is (new about) the DSS?
- The links between risks and measures
- The contents across the whole sphere of road safety: human behaviour, infrastructure, vehicles, post-impact care
- Taxonomies of risks & measures
- Opportunities to provide feedback

Figure 6: The introductory video to the SafetyCube's DSS

The video is available at the DSS's main Search Page (see Figure 7) or at: https://www.youtube.com/watch?v=Y-mVUde3knU

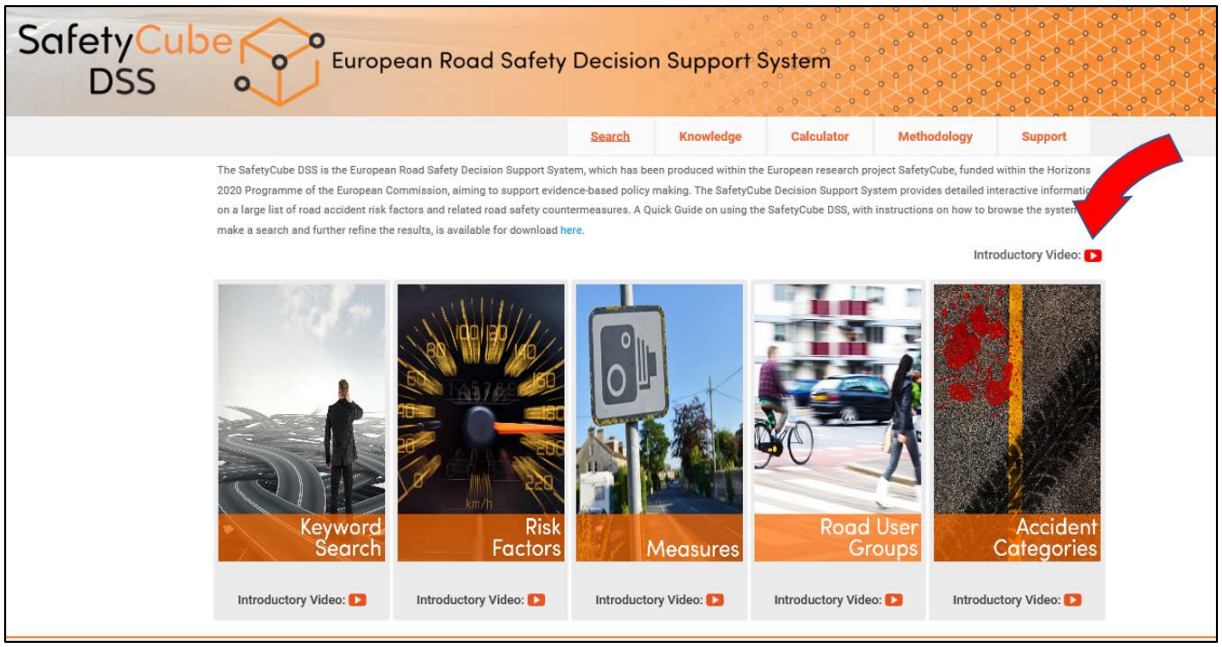

Figure 7: Accessing the SafetyCube DSS's introductory video

4.2 INSTRUCTIONAL VIDEOS FOR ENTRY POINTS

Five instructional videos present each of the five so-called entry points, through which the user can dispatch queries. They can be accessed directly at the respective entry points, see Figure 8.

Figure 8: Accessing the SafetyCube DSS's instructional videos for entry points

The following table list the videos for entry points together with their links.

Entry point	Link
Keyword Search	https://www.youtube.com/watch?v=3xlOw6w5z1U
Risk Factors	https://www.youtube.com/watch?v=efg57qBQobU
Measures	https://www.youtube.com/watch?v=_XPqttNpv5A
Road User Groups	https://www.youtube.com/watch?v=T3WHIJzq30s
Accident Categories	https://www.youtube.com/watch?v=cjqsknRPoQo

4.3 INSTRUCTIONAL VIDEO FOR THE RESULTS PAGE

An instructional video describes in detail how to interpret, control and filter the various entries on the results page. It is available directly on the results page, see Figure 9, or at https://www.youtube.com/watch?v=g6rc7YPmGkM

Figure 9: Accessing the SafetyCube DSS's instructional video for results page

4.4 INSTRUCTIONAL VIDEO FOR THE STUDY PAGE

An instructional video describes the setup of the DSS's study pages. It is available directly on the study page, see Figure 10, or at https://www.youtube.com/watch?v=UvzAP5zl670 .

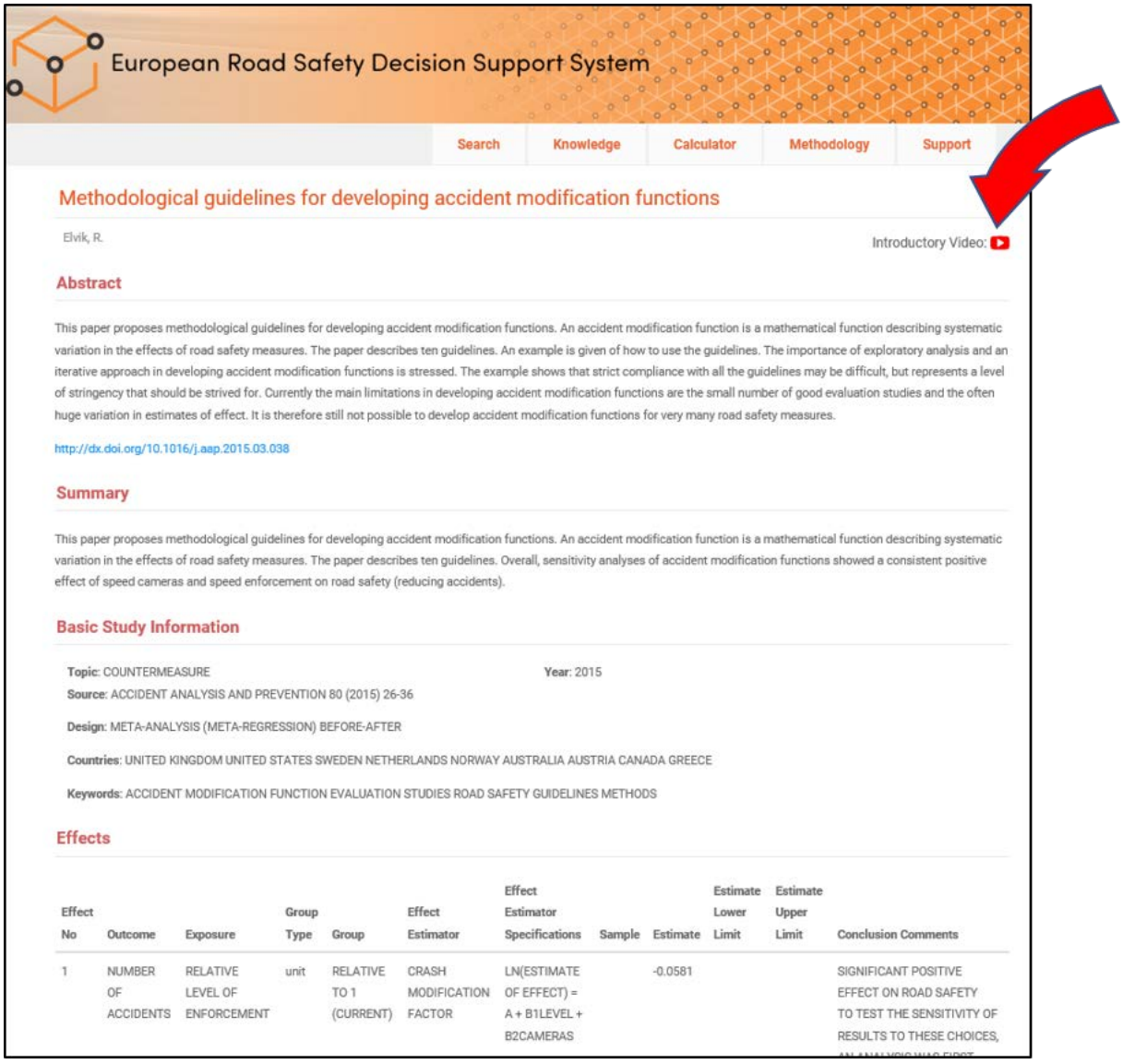

Figure 10: Accessing the SafetyCube DSS's instructional video for study page

5 Webinar

A webinar was held on 10 April 2018 and was scheduled to last for 60 minutes. It provided both background information on the SafetyCube project and the DSS design as well as hands-on examples for the practical use of the DSS.
The webinar was set up by KFV. Speakers on behalf of the SafetyCube team were:

- Pete Thomas, Loughborough University
- Stijn Daniels, VIAS Institute
- Eleonora Papadimitriou, NTUA
- Wendy Weijermars, SWOV
- George Yannis, NTUA
- Susanne Kaiser, KFV

Invitations were sent to representatives of the IRTAD, FERSI and ETSC networks, as well as to all registrants of the SafetyCube Final Conference in Vienna and the subscribers of the SafetyCube newsletter. The newsletter invite can be found in Annex 2.
As for attendance, 101 addressees followed the invitation link, 63 registered, and 43 finally took part in the webinar. Participation statistics show that virtually all participants were present throughout the entire meeting (see Figure 11, the webinar took place at the time between the red bars). The reach of the webinar was truly global as the list of registrants included delegates from Europe, Australia, New Zealand, USA, Israel and Iran.

A recording of the webinar was made available both on the SafetyCube website (www.safetycube-project.eu) and the DSS (www.roadsafety-dss.eu).

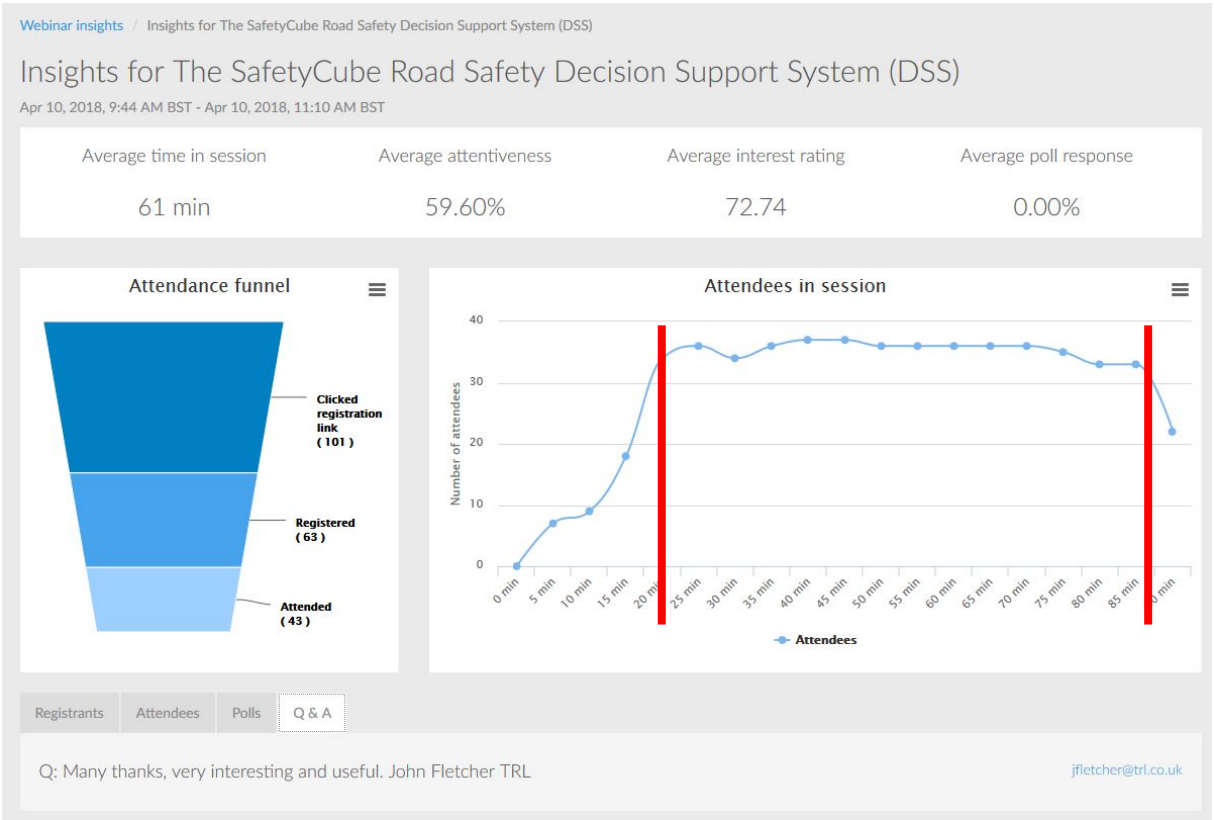

Figure 11: Participation statistics of the SafetyCube webinar on 10 April 2018.

Annex 1: Invitation to the DSS Launch Event

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Decision Support System Launch Event

Brussels, October 5, 2017

Nordic House

Rue du Luxembourg 3,

B-1000 Bruxelles,

Belgium

10 a.m. - 15 p.m

Purpose: The SafetyCube Decision Support System (DSS) has become a functioning prototype with almost all functionality in place. The project team is proud to present the system for public access and will hold a first workshop to present and demonstrate the tool.

Participation is free, but registration is required

Agenda

9:30-10:00	Registration
10:00-10:30	How to support decision making – The SafetyCube Approach
10:30-11:00	Decision Support System – The SafetyCube Road Safety Resource
11:00-1200	DSS Demonstrations with Audience Interaction
12:00-13:00	Lunch
13:00-14:00	DSS Demonstration and review of feedback from initial users
14:00-14:45	Breakout sessions
14:45-1500	Closing discussions
15:00	Adjournment

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

Annex 2: Invitation to the webinar

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 633485

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SafetyCube

WEBINAR
Road Safety Decision Support System

Next Tuesday, on April 10, 2018 at 11.00 CET a webinar on the European road safety Decision Support System (DSS) will take place. The webinar concerns a one-hour training session for the use of the DSS, in which the system will be presented, including the alternative options and the various queries that users can make in order to have access to the knowledge of the DSS, as well as the available results.

The team of the EU Project SafetyCube will present you with all functionalities of the powerful tool (www.roadsafety-dss.eu) and provide you with hands-on examples. Learn how the DSS can make your life in road safety easier!

Webinar

- **April 10, 2018 at 11.00 CET**
- **More information**

Register now

Topics

- Introduction to the SafetyCube project and methodology
- Functionalities of the DSS: Query functions, knowledge base and cost-benefit assessment
- Hands-on examples

Presenters

- Prof. Pete Thomas | Loughborough University | UK
- Prof. George Yannis | NTUA | GR
- Stijn Daniels | VIAS | BE
- Eleonora Papadimitriou | NTUA | GR
- Wendy Weijermars | SWOV | NL
- Susanne Kaiser | KFV | AT

Who should attend?

Everybody with a stake in road safety - from private persons and practitioners to scientists and decision makers