

SafetyCube

Safety CaUsation, Benefits and Efficiency

www.SafetyCube-project.eu

The Hague, 24 May 2016

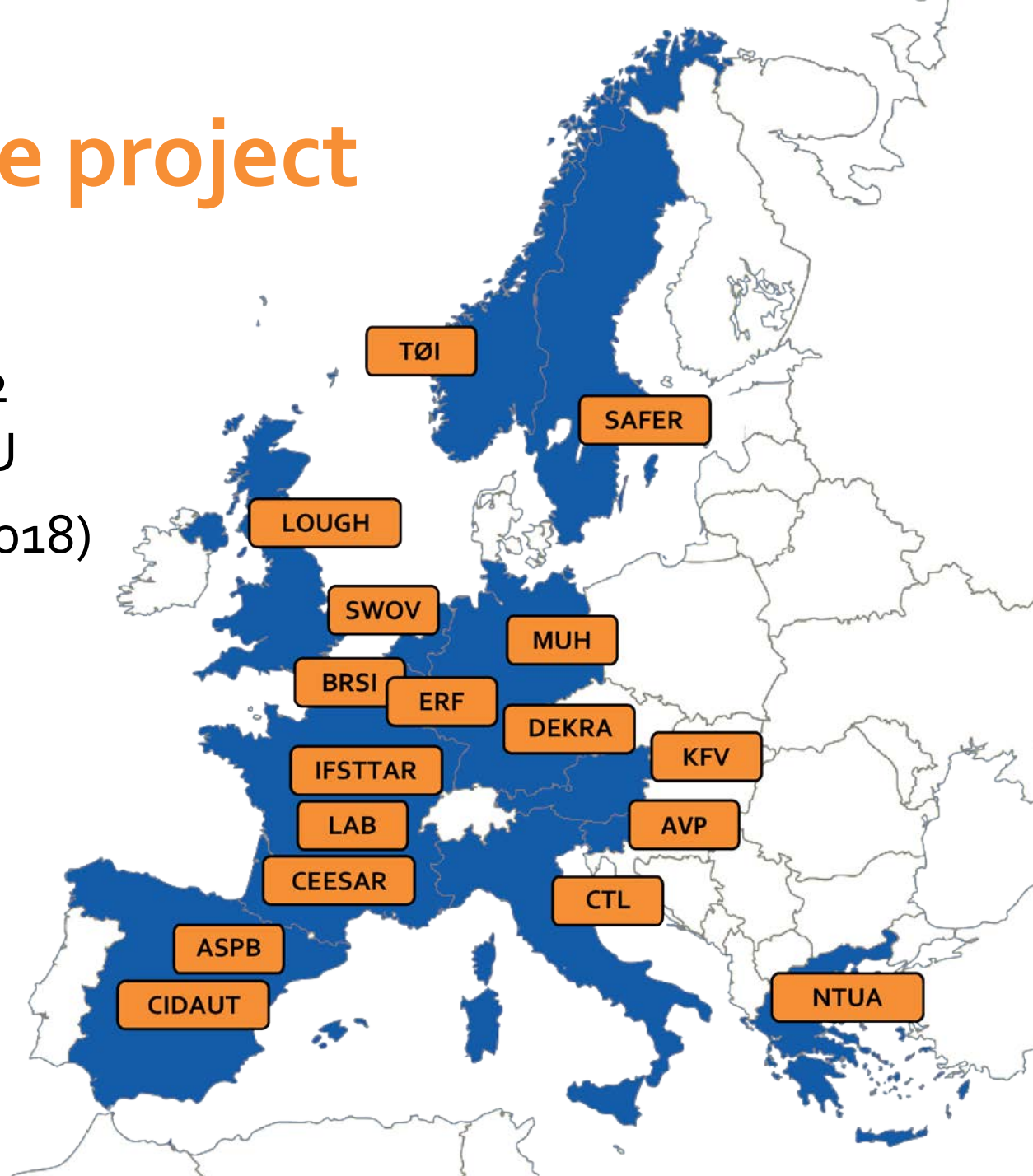
Pete Thomas



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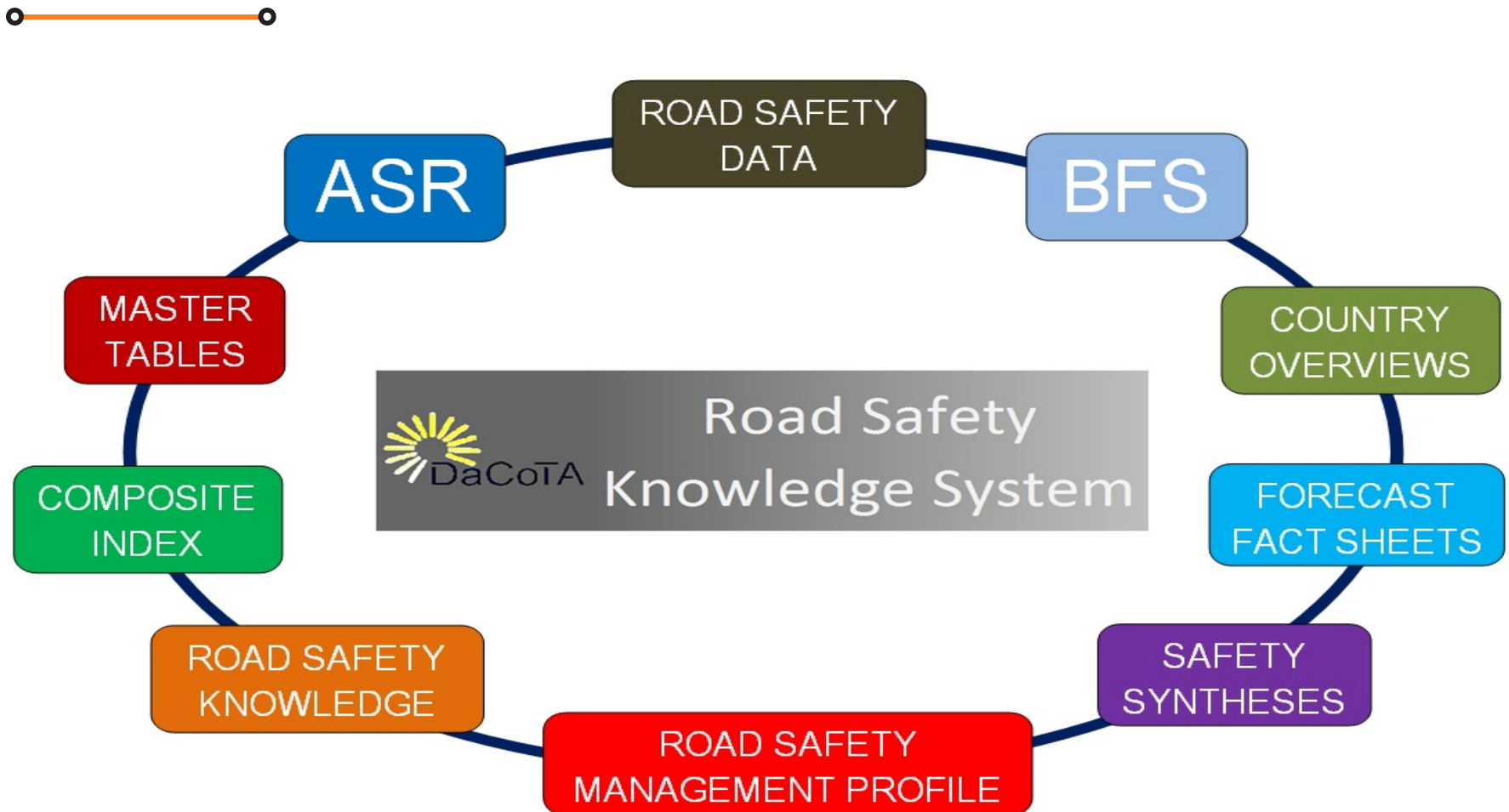
SafetyCube project

17 partners from 12 countries within EU
(May 2015 - April 2018)



European Road Safety Observatory

A publicly accessible repository of data and knowledge developed to scientific standards



www.erso.eu

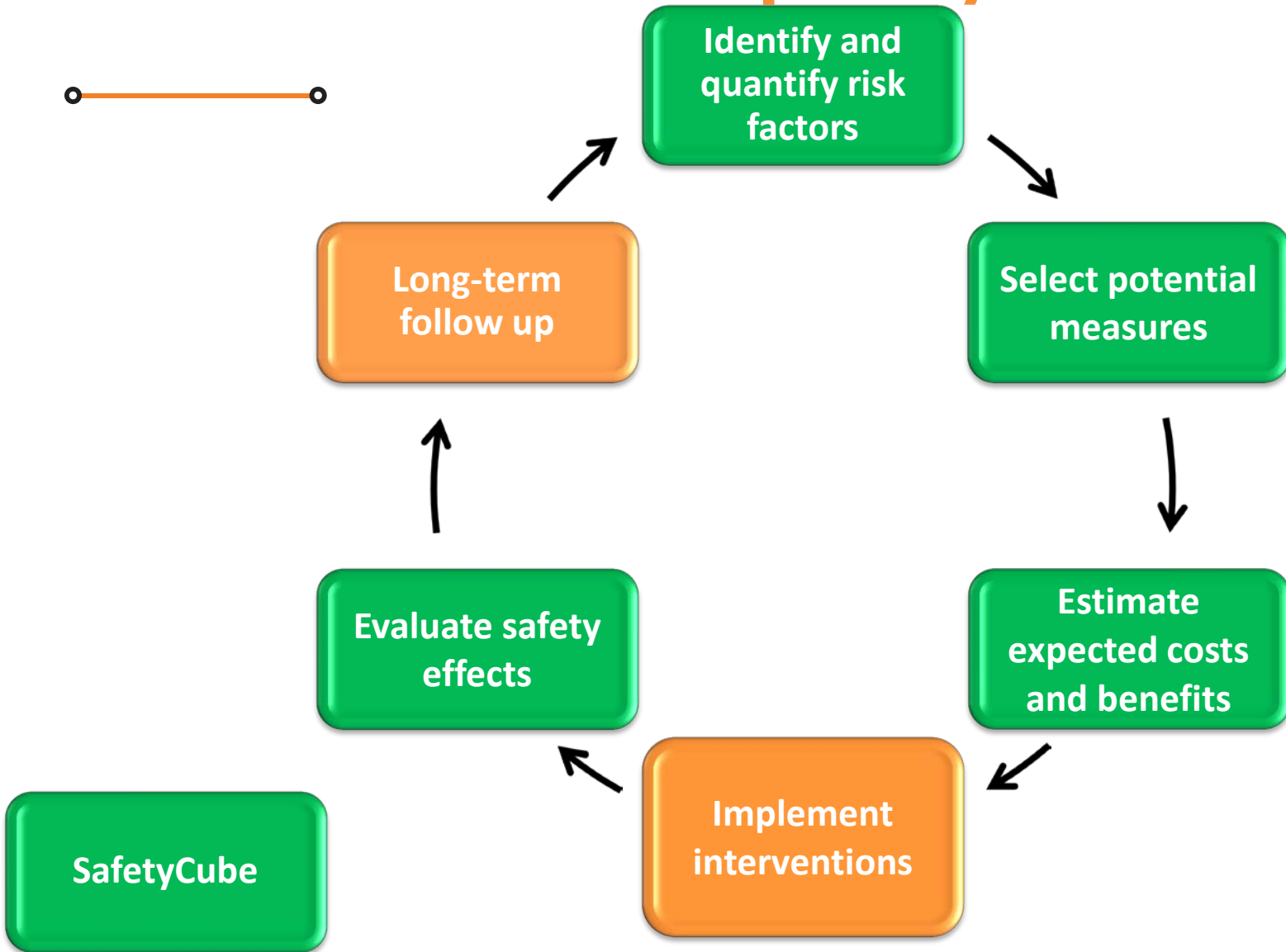
SafetyCube concept



- Problem
 - *Evidence based road safety policies are becoming more usual and there is much better availability of national data and state of the art knowledge*
 - *Effective road safety policies need good information about accident risk factors and about measures*
- SafetyCube will meet this need by generating new knowledge about **accident risk factors** and the **effectiveness of measures** relevant to Europe
- It will structure this information so it can be readily accessed at both top level and in-depth to meet the needs of all stakeholders



Evidence-based policy-making



What is a risk?



- “Risk factor” denotes any factor that contributes to accidents or injuries.
- There are risk factors related to all elements of the road system and the interactions between these elements.
- The importance of a risk factor can be defined as the size of the contribution it makes to accidents or injuries.



What is a measure?



- A measure is any action intended to reduce the numbers of accidents or injuries.
 - *May reduce the risk of a crash*
 - *May reduce the risk of injury*
 - *May reduce exposure to risk*



Challenges in evidence based approaches



- Do we have a comprehensive method to identify risks?
 - *Road, road users and vehicles*
- Do we have a comparable method to evaluate measures?
 - *Road, road users and vehicles*
- How do we estimate the likely casualty reduction of a measure that has not been introduced to the real-world?
- Do we have a comprehensive method to evaluate cost-effectiveness?
- How do we handle the situation where there are many measures of effectiveness but they disagree?



Challenges to access the evidence base



- Much of the evidence on risks and measures is in the research literature – how can it be brought together?
- How can we assess transferability of measures from one country to another?
- How can the available information and data be synthesised?



SafetyCube will meet these challenges



SafetyCube will

- Provide new information about the **effectiveness** of measures by bringing together published information
- Produce a comprehensive method to evaluate the **costs and benefits** of measures
- Produce new information about **seriously injured** casualties
- Produce a new **Decision Support Tool** that will enable easy access to information on risks and measures



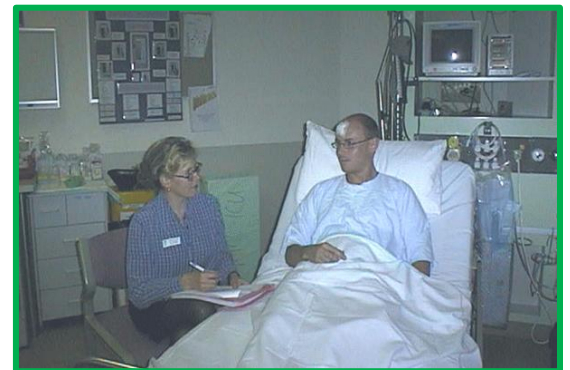
SafetyCube will

- Improve the evidence base for road safety policy-making
- Develop a new Decision Support System
- Bring together data about risks, measures and cost-effectiveness within a single comprehensive framework



Serious injuries

- — ○
 - Assess and improve the estimation of the numbers of serious road injuries
 - *Trauma registers*
 - *Correction factors*
 - *Record linkage*
 - Determine and quantify health impacts of serious road injuries
 - Estimate economic and immaterial costs related to serious road injuries
 - Identify key risk factors related to serious injuries and their health impacts.



Contact



- www.SafetyCube-project.eu

- Pete Thomas

- Professor of Road and Vehicle Safety

- p.d.thomas@lboro.ac.uk

- Smart and Safe Mobility Research Cluster
- Loughborough University
- Leicestershire
- LE11 3TU
- United Kingdom
- Tel: +44 (0)1509 226931