TRA TRANSPORT RESEARCH ARENA

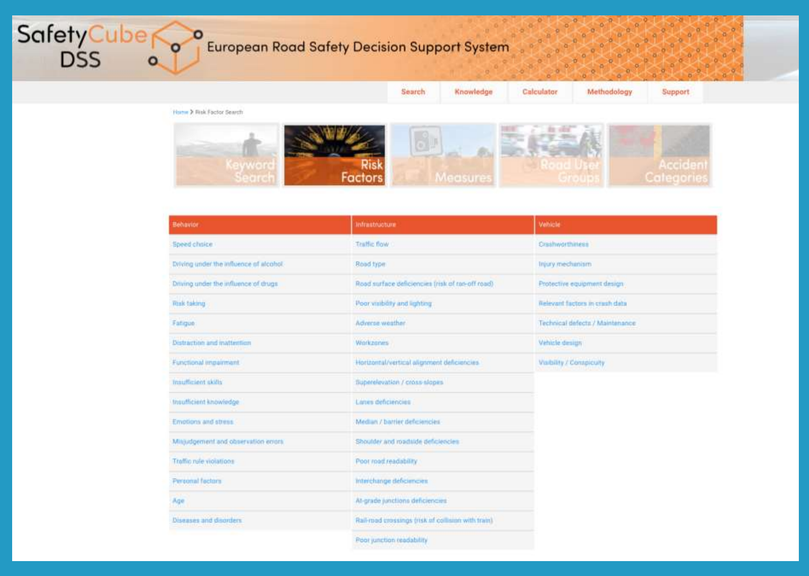
VIENNA 2018
A digital era for transport

solutions for society, economy and environment

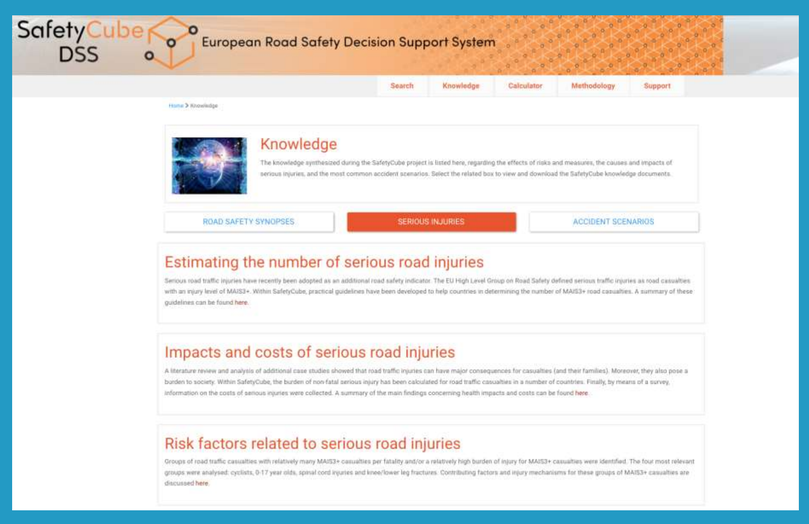
SafetyCube - Gathering and Presenting Evidence for Road Safety Decisions in a Decision Support System (DSS)

Road safety programs and policies are continuously updated and reviewed. Decisions on how to plan resources require an understanding of how the risks that lead to road casualties can be addressed by countermeasures exploiting different technologies, information, and training systems.

The SafetyCube project created a comprehensive repository linking information on road safety risk factors and countermeasures. Using the European Road Safety Decision Support System (DSS) users access information on road user behaviour, infrastructure, vehicle and post-crash care topics.



The DSS was designed and developed in close consultation with numerous road safety stakeholders and is populated with more than 1200 studies on risk factors and safety measures, electronically coded and stored in a sophisticated back-end database. Cost-benefit evaluations with the related analytic background is also available. The system includes five entry points to meet the needs of different DSS users: keyword search, risk factors search, measures search, road user groups search, and accident scenarios search.



The development of the DSS presents a great opportunity to support decision making at local, regional, national and international level. The DSS is a powerful tool for industry, policy-makers and the wider road safety community.

Pete Thomas, Loughborough Univ., UK
Heike Martensen, VIAS, BE
E.Papadimitriou, G.Yannis, NTUA, GR
Wendy Weijermars, SWOV, NL
Robert Thomson, Chalmers, SE
Susanne Kaiser, KFV, AT
Franck Leopold, LAB, FR

SafetyCube

Horizon 2020 Programme

#tra2018