



SAFER SUCCESS STORY: Field data analysis platform

“The analytical work at SAFER has provided Volvo Cars with useful tools to accurately evaluate the effectiveness of rear-end crash avoidance systems and also for comparing the crashworthiness of European and US car fleets.”

Anders Eugensson
Director, Government Affairs
Volvo Car Corporation

- Newly developed assessment method for active safety system testing
- Built world-class infrastructure for accident data collection
- Provided input for policy decisions, e.g. negotiations concerning the Transatlantic Trade and Investment Partnership (TTIP)
- Hub for the Initiative for the Global Harmonisation of Accident Data (IGLAD).
- Among world leaders in accident analysis

Develop a platform for field data collection and analysis to further improve the understanding of real-world accident problems.

Benefit to the project partners and impact on society:

- The national infrastructure for accident data collection (INTACT) was developed by SAFER partners and was later adopted by the EU to be used for in-depth accident investigations on European level.
- INTACT contributed to Sweden becoming the hub for the Initiative for the Global Harmonisation of Accident Data (IGLAD).
- A new test-based assessment method for crash avoidance systems effectiveness measured by its ability to reduce the number of injuries in rear-end collisions.
- Provided input on motor-vehicle crash risk of EU and US vehicles to the negotiations concerning the Transatlantic Trade and Investment Partnership (TTIP).
- Analysis concerning High Capacity Transports used in negotiations for longer truck combinations in the EU.

Approach:

The field data platform was initiated by the collaboration in INTACT and was extended to include advanced analyses. SAFER’s commitment widely contributed to this success by supporting the development of a field data analysis platform to recruit a senior research analyst. This led to deeper collaboration in field data analyses among the SAFER partners as well as other organisations world-wide.

Measurable results:

- Up-to-date accident data.
- Hub for the IGLAD consortium.
- Several peer-reviewed papers.
- Research driven policy making.
- European acknowledged methods.
- Collaborative research with University of Michigan Transportation Research Institute (UMTRI)

Funding: 5 MSEK SAFER internal (cash and inkind) and 53,6 MSEK external

Partners: AB Volvo, Autoliv, Chalmers, City Of Gothenburg, Folksam, If, Saab Automobile, Scania, Swedish Transport Administration, TØI, University of Gothenburg, Volvo Cars, VTI

Funders: VINNOVA, VR, EU, and others.

Period: 2007– ongoing