

PROJECT

SENIORS

Safety-ENhancing Innovations for Older Road users

Funding: European (Horizon 2020)

Duration: Jun 2015 - May 2018

Status: Complete

Total project cost: €2,885,587

EU contribution: €2,885,587



Call for proposal: H2020-MG-2014_TwoStages

[CORDIS RCN : 193376](#)

Objectives:

European countries face great challenges because the demographic structure in the EU is changing rapidly, due to reducing birth rates and increasing life expectancies. In 2012, 17% of Europeans were aged 65 and older and in 2020 this will rise to 28%. Meanwhile, the mobility needs of the elderly are also changing. Maintaining a driver's licence is an important issue of independence today, both for males and females. Also technological developments like the introduction of e-bikes enables access to other means of transport.

These demographic and behavioural changes are of growing concern to mobility and road safety. While accident data show a decreasing number of fatalities and serious injuries on EU roads, recent data from the ERSO show an increasing proportion of elderly in the fatality statistics. This trend is a serious threat to the achievements of recent decades and poses a challenge that must be addressed to meet goals set for further reduction of road fatalities. Furthermore, there is an increasing rate of obesity in EU populations, which introduces changes in injury patterns and risks.

The SENIORS project focuses on the protection of elderly and obese road users also by transferring nowadays younger generations' safety standards. The objective is to develop the required understanding of accident scenarios, injury mechanisms and risks and to implement these findings in test tools and test and assessment procedures. An integrated approach considering the elderly in multiple transport modes is applied to reduce the portion of elderly fatalities. The small-scale project focuses on providing tools to encourage wider adoption of advanced restraint and pedestrian protection systems improving the protection of older and obese vulnerable road users. The activities consolidate results from previous EU projects such as THORAX and AsPeCSS and meet the needs defined by the GRSP IWG on Frontal Impact working on a near-term (2015) and mid-term (2020) update of UN-R94.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Bundesanstalt Für Strassenwesen (Federal Highway Research Institute)

Address:

Brüdenstrasse 53
51427 BERGISCH GLADBACH
Germany

Organisation Website:

<http://www.bast.de>

EU Contribution: €656,634

Partner Organisations:

Autoliv Development Ab

Address:

Wallentinsvagen 22
447 83 Vargarda
Sweden

EU Contribution: €395,325

Trl Limited

Address:

Crowthorne House Nine Mile Ride 0
Wokingham
RG40 3GA
United Kingdom

Organisation Website:

<http://www.trl.co.uk>

EU Contribution: €236,013

Ludwig-Maximilians University Of Munich

Address:

Geschwister-Scholl-Platz 1
80539 MUENCHEN
Germany

Organisation Website:

<http://www.uni-muenchen.de>

EU Contribution: €266,939

Humanetics Europe Gmbh

Address:

Im Breitspiel 6
69126 Heidelberg
Germany

EU Contribution: €320,875

Ford Werke Gmbh

Address:

HENRY FORD STRASSE 1
50725 KOELN
Germany

Organisation Website:

<http://www.ford.de>

EU Contribution: €221,250

Idiada Automotive Technology Sa**Address:**

L Albornar
43710 Santa Oliva
Spain

EU Contribution: €488,552

Fiat Auto S.p.a.**Address:**

Corso G. Agnelli 200
10100 TORINO
Italy

Organisation Website:

<http://www.fiat.com>

EU Contribution: €300,000

Technologies:

Safety systems
Evidence-based research for road safety

Development phase: Research/Invention

STRIA Roadmaps: Smart mobility and services

Transport mode: Multimodal transport

Transport sectors: Passenger transport

Transport policies: Safety/Security

Geo-spatial type: Other