

PROJECT

SLAIN

Saving Lives Assessing and Improving TEN-T Road Network Safety

English

Funding: European

Duration: Apr 2019 - Mar 2021

Status: Complete with results

Total project cost: €1,870,570

EU contribution: €935,285



Call for proposal: CEF-T-2018-MAP-TRANSPORT

Background & policy context:

Connecting Europe Facility "Saving lives assessing and improving TEN-t road network safety" - SLAIN action number 2018-EU-TM-0019-S in 4 Mediterranean countries. To work towards the implementation of both the United Nations and European Commission goals on road safety and especially supporting authorities in the reporting requirements of the Directive 2008/96/EC now numbered 2019/1936, on road infrastructure safety management, a more systematic approach to safer road infrastructure is needed. The SLAIN project supports and encourages the proposed changes to the Road Infrastructure Safety Management Directive 2008/96/EC (amended version 2019/1936) and Prepares the readiness of Europe's infrastructure for Automation. The project's Action fits in the EC's 2010 Communication 'Towards a European Road Safety Area' and contributes to the long-term goal for zero road deaths in 2050.

Objectives:

This Action assesses the Safety Performance Management of TEN-T core networks in 4 European countries (Croatia, Italy, Greece and Spain). It aims at demonstrating a methodology of network-wide assessment and proposes section-specific, economically-viable crash countermeasures designed to raise infrastructure quality to achieve significant reductions in severe injuries and deaths.

Methodology:

EuroRAP and partners' services focus on the whole cycle of measurement to action ensuring our systematic measurement of recognised risk factors through our protocols "Crash Rate Risk Mapping", "Fatality Estimates", "Performance Tracking" and "Star Ratings", with evidence-based solutions that drive investment and provide governments with the business case for safer roads and the confidence to invest in the safety improvement of roads.

The consortium also encourages innovation and partnerships. Innovation is governed by the iRAP Innovation Framework and includes:

- i-RAP, the 'accelerated and intelligent' data collection, captures the advances in artificial intelligence, machine learning, vision systems (street and sky), LIDAR, telematics and other data sources to deliver critical information on road safety, crash performance, investment prioritisation and the Star Rating of roads for all road users.
- Autonomous Driving (AD) Star Rating: Star Rating for Autonomous Driving (SR4AD) is an enhanced module to assist authorities in assessing the readiness and safety of road infrastructure.

Related Projects:

Interreg Danube Transnational Programme – RADAR (Risk Assessment on Danube Area Roads), in 12

countries of Danube region 2018-2021

RADAR (Risk Assessment on Danube Area Roads) aims to closing the gap between policy and practice in road safety with collaboration between government and highway authorities for casualty reduction and the operational engineering activities required to deliver them.

Parent Programmes:

[CEF Transport - Connecting Europe Facility \(CEF\) for Transport](#)

Institute type: Public institution

Institute name: Inea

Funding type: Public (EU)

Other funding sources: INEA (European Union)

Lead Organisation:

Partner Organisations:

Anas Spa

Address:

Via Monzambano 10
100 Roma
Italy

Technologies:

Safety systems
Road safety awareness campaign
Development phase: Research/Invention

Key Results:

The final outcomes will be widely-available, easily-communicable crash-based maps for four countries, to be shared with public and professionals alike. It will analyse where and how to invest efficiently to improve road infrastructure, examining high- and low-cost countermeasure, not only to assessing existing roads, but also to assess preliminary designs. Besides, initiatives to meet the needs of automated cars will be set forward.

Documents:

 [SLAIN Project Leaflet](#)

STRIA Roadmaps: Network and traffic management systems, Infrastructure

Transport mode: Road transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Safety/Security

Geo-spatial type: Network corridors