

ROAD INFRASTRUCTURE SAFETY IN THE EUROPEAN UNION

5th INTERNATIONAL CONFERENCE

“ROAD SAFETY AUDIT AND REDUCTION OF TRAFFIC ACCIDENTS”

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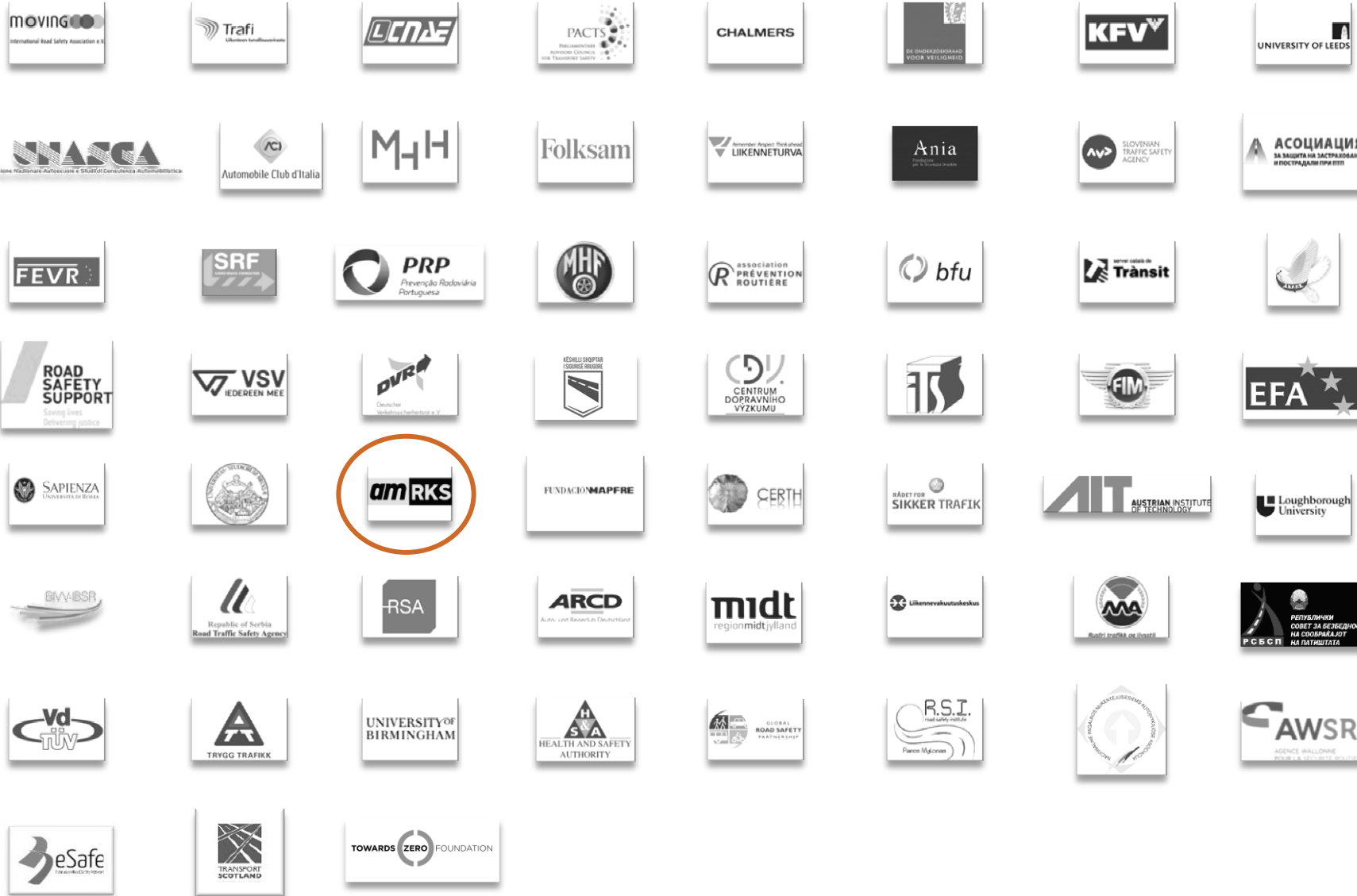


European Transport Safety Council

ETSC

- ✓ A science based approach to road safety
- ✓ Secretariat in Brussels
- ✓ 60 member organisations from across Europe
- ✓ More than 200 experts contributing to ETSC's work
- ✓ The European Commission, Member Organisations, Member States and corporate sponsors are funding our work

ETSC NETWORK



ETSC ACTIVITIES



Monitoring EU
transport
safety policy



Road Safety
Performance
Index (PIN)

SMART



SOBER MOBILITY ACROSS ROAD TRANSPORT



REVIVE

IMPROVING POST-COLLISION
RESPONSE AND EMERGENCY
CARE IN EUROPE



PRAISE

Work-Related Road Safety

**SAFE
SOBER**



iSAFER

INTELLIGENT SPEED ASSISTANCE
FOR EUROPEAN ROADS

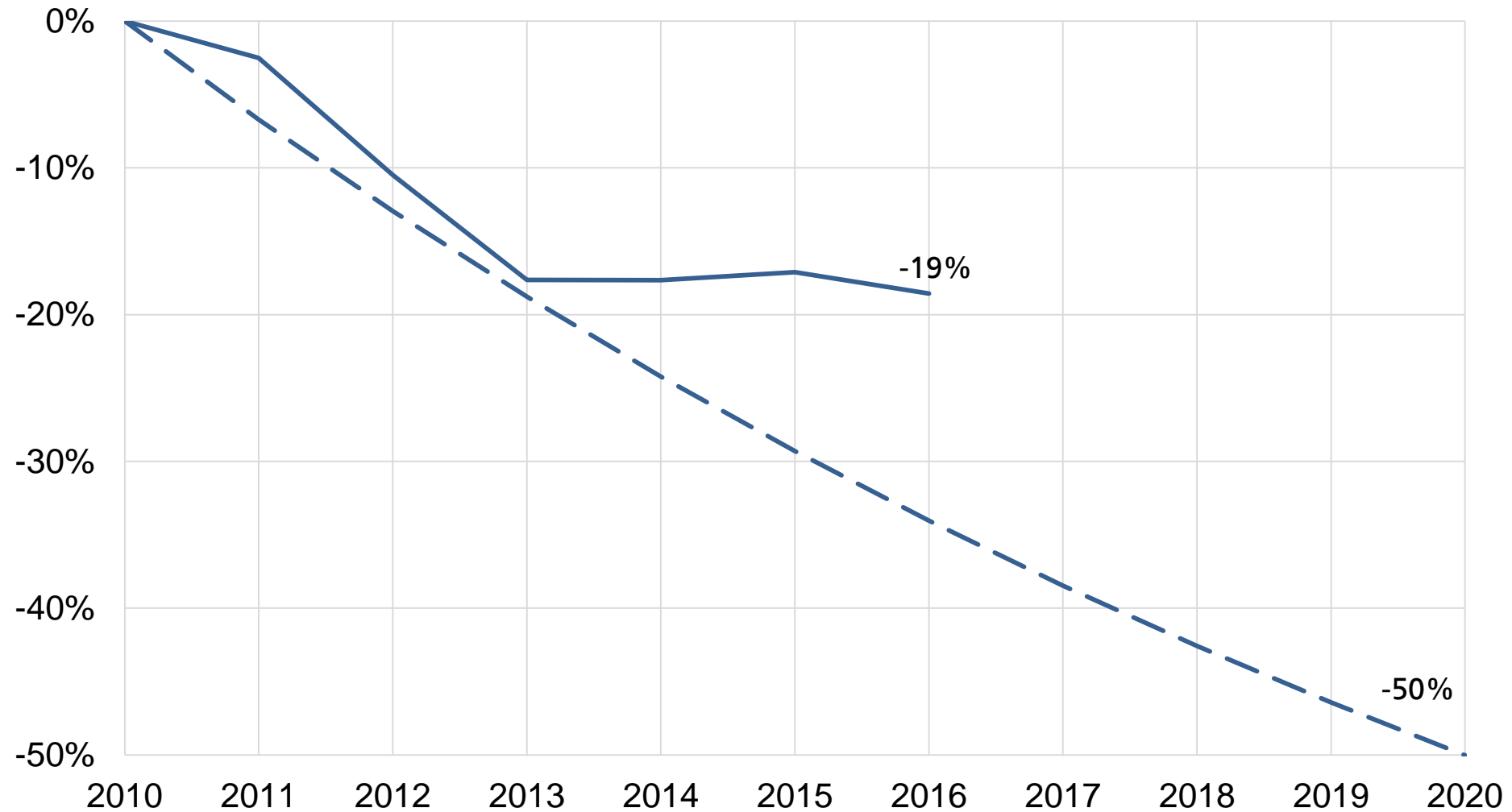


DRUG DRIVING



**2014-2016
bad years
for road
safety**

CHANGE IN ROAD DEATHS (%) 2010-2016



25,670

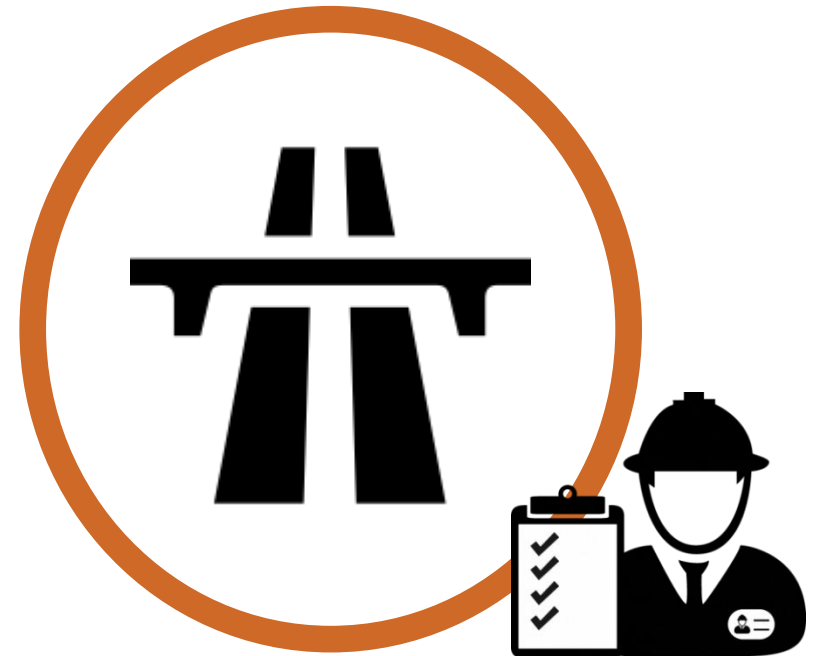
people died in road
traffic in the EU in
2016

135,000

seriously injured in road traffic in
the EU in 2016 according to
MAIS3+ definition

**MAIS3+ estimates by the European Commission*

PILLARS OF ROAD SAFETY

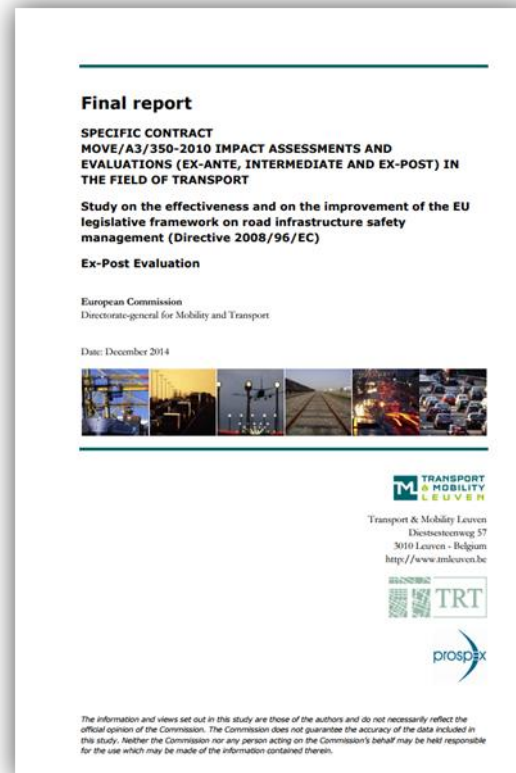


EX-POST EVALUATION

Ex-Post Evaluation Directive 2008/96/EC on Road Infrastructure Safety Management

Findings

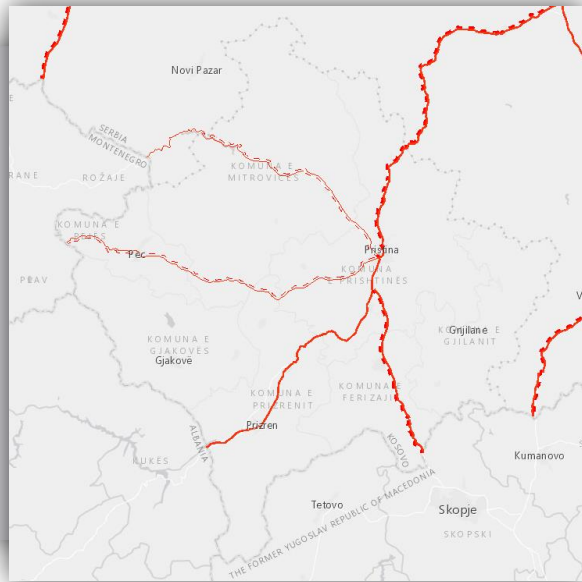
- Triggered different way of thinking
 - Generalised use of RISM Procedures based on minimum set of compulsory rules
 - 'Common language'
- Increased use of cost-effective procedures (RSA & RSI)
- Positive impact on road safety
 - Notably for Member States that did not have these procedures in place



Recommendations

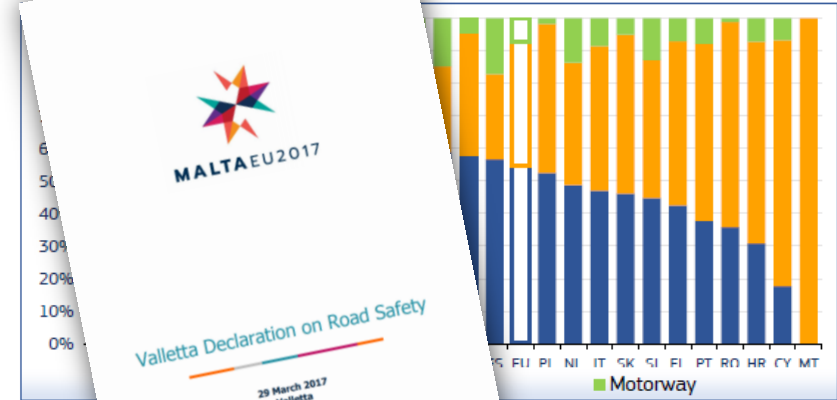
- Extension of scope
- Measurement of Safety Performance
- Deployment ITS applications
- More focus on Vulnerable Road Users

EXTENSION BEYOND TEN-T



- Currently only applies to TEN-T Roads
- Member States may apply it to other roads as well
 - Large variance in application as well as the use of different procedures, obligation and type/definition of roads

Figure 9: Distribution of road types by country and type of road, 2014 or latest available data



Source: CA

Extend the application of the instruments to all motorways, main rural roads, main urban roads, and all EU (co-)financed roads

SAFETY RANKING

TML Suggestion:

Measure the safety of road infrastructure across the EU using a comparable method

- Benchmark countries
 - Provide incentives to improve performance
- Inform decision makers on further investment and development
- Information to road user for route planning

EASTERN EUROPE

80%

24,000 KMS



WESTERN EUROPE

30%

18,000 KMS



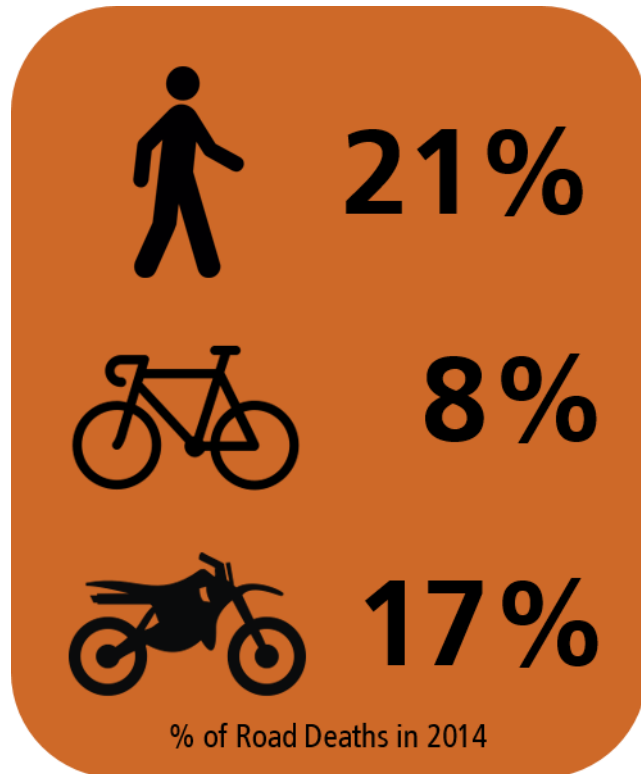
- Introduce a Network Safety Management assessment of the road network and review findings regularly
- Set a target of upgrading roads to:
 - 3☆ or better for all roads
 - 4☆ or better for roads with high traffic volumes

ADAS / C-ITS / AUTOMATED DRIVING



- Prioritise road markings and road signs in maintenance budgets to achieve optimal performance of Advanced Driver Assistance Systems (ADAS)
- Facilitate close collaboration between road operators and developers of (semi) automated vehicles to communicate about the needs from both sides
- Include requirements for (semi) automated vehicles, such as clear road markings and adapted intersections

VULNERABLE ROAD USERS



RISM instruments need to address the specific needs of VRUs in road design and maintenance.

- Setting minimum quality criteria
- Install barriers friendly to PTWs
- Implement engineering measures to prevent pedestrian access to motorways (10%)

EU STANDARDS AND MINIMUM REQUIREMENTS

RISM Directive:

- Provides framework to ensure safety is adequately addressed during road lifecycle
- Details are left to Member States



Adopt stringent legislation at EU level on common minimum infrastructure safety management standards

- Forgiving roadsides
- Roadworks
- High risk site management
- Traffic calming and speed limits

TUNNELS



TEN-T tunnels not included in RISM Directive!

Directive 2004/54/EC on minimum safety requirements for TEN-T tunnels

Extend RISM rules to tunnels

THANK YOU!



European Transport Safety Council

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