Risk Assessment on Danube Area Roads: RADAR project

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Danube region road network challenges

“European border”
Low density
Disconnected
Long secondary and tertiary network
Lower GDP/average EU
Lower maintenance standards
Lower volumes – higher speeds
High FSI rates
50-70% of roads individual countries score 1 or 2 stars for vehicle occupants
SENSoR’s (2012-2014) Headline results – scale of need

Typically 50-70% of roads in individual countries score 1 or 2 stars (least safe) for vehicle occupants

More than 4,800 pedestrian crossings surveyed, 2,150 (44%) were of poor quality

Commonly, pedestrian activity expected on >40% of networks; footways generally available on <10% of the network
To improve situation RADAR is having Safe System Approach at its heart:

5* drivers
5* cars
5* roads
Project identity

2nd Call DTP

Better connected and energy responsible Danube region

June 2018
May 2021

€ 1.523,064 ERDF

€ 210.307 IPA

€ 96.262,5 ENI

Your Road Safety is on our RADAR.
RADAR Partnership

RADAR – Risk Assessment on Danube Area Roads

10 Project Partners
12 Associated Partners
13 Countries

...to improve the road infrastructure safety in the region by raising capacity and enhancing transnational cooperation in the sector for all road users.
## Project partners

<table>
<thead>
<tr>
<th>European Institute for Road Assessment - EuroRAP</th>
<th>EIRA - EuroRAP</th>
<th>SLOVENIA</th>
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<tbody>
<tr>
<td>Automobile and Motorcycle Association of Slovenia</td>
<td>AMZS</td>
<td>SLOVENIA</td>
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<tr>
<td>University of Zagreb, Faculty of Transport and Traffic Sciences</td>
<td>FPZ</td>
<td>CROATIA</td>
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<tr>
<td>KTI Institute for Transport Sciences Nonprofit Ltd</td>
<td>KTI</td>
<td>HUNGARY</td>
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<tr>
<td>General Automotoclub of the Czech Republic</td>
<td>UAMK</td>
<td>CZECH REPUBLIC</td>
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<td>Bulgarian Association for Road Safety</td>
<td>BBARS</td>
<td>BULGARIA</td>
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<tr>
<td>Austrian Road Safety Board</td>
<td>KIV</td>
<td>AUSTRIA</td>
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<tr>
<td>Bosnia and Herzegovina Automobile Club</td>
<td>BiHAMK</td>
<td>BOSNIA AND HERZEGOVINA</td>
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<td>Rotondo</td>
<td>Rotondo</td>
<td>SERBIA</td>
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<tr>
<td>Automobile Club of Moldova</td>
<td>ACM</td>
<td>MOLDOVA</td>
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## Associated Strategic partners

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<tr>
<th>Ministry of Infrastructure, Slovenian Infrastructure Agency</th>
<th>DRSI</th>
<th>SLOVENIA</th>
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<tbody>
<tr>
<td>Croatian Roads, a limited liability company for management, construction and maintenance of state roads</td>
<td>HC</td>
<td>CROATIA</td>
</tr>
<tr>
<td>National Motorway Company, Ltd.</td>
<td>NDS</td>
<td>SLOVAKIA</td>
</tr>
<tr>
<td>Public Company Roads of Federation of Bosnia and Herzegovina</td>
<td>JP CESTE</td>
<td>BOSNIA AND HERZEGOVINA</td>
</tr>
<tr>
<td>Ministry of Transport and Road Infrastructure</td>
<td>MTID</td>
<td>MOLDOVA</td>
</tr>
<tr>
<td>South East Europe Transport Observatory</td>
<td>SEETO</td>
<td>SERBIA</td>
</tr>
<tr>
<td>The Road and Motorway Directorate of the Czech Republic</td>
<td>RMDC</td>
<td>CZECH REPUBLIC</td>
</tr>
<tr>
<td>European Union Strategy for Danube Region Priority Area 1b - Road, Rail and Air links</td>
<td>EUSDR PA1b</td>
<td>SLOVENIA</td>
</tr>
<tr>
<td>Ministry of Transport and Maritime Affairs</td>
<td>MTMA</td>
<td>MONTENEGRO</td>
</tr>
<tr>
<td>Road Infrastructure Agency (at the Bulgarian Ministry of Regional Development and Public Works)</td>
<td>RIA</td>
<td>BULGARIA</td>
</tr>
<tr>
<td>National Company For Roads Infrastructure Administration</td>
<td>CNAIR</td>
<td>ROMANIA</td>
</tr>
</tbody>
</table>
Methodology used in RADAR

Developed by world-leading road safety research agencies
Simple and objective measure of the safety of road infrastructure in urban and rural areas
Unique international methodology - Comparable results
Pedestrian, Bicyclist, Motorcyclist and Vehicle Occupant Star Ratings
Star Rating targets for policy and design

http://www.irap.org/about-irap-3/methodology
Project Objectives

- **Identify risk** on road network and define cost-effective solutions to reduce risk by improving road infrastructure.

- **Enhance transnational cooperation** between stakeholders to build strategy that will save lives on roads.

- **Establish training courses** and implement study visits for road safety professionals.

*Your Road Safety is on our RADAR.*
Project outputs

Danube Infrastructure Road Safety Improvement Strategy and Action Plan

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Road Safety Training Concept

- Training curricula
  - Survey
  - Status Report
  - Syllabus and Plan
- Translations of material and Software
- Training Courses
- Best Practice exchange Study Visits
Based on questionnaires completed by PP
- Safety Statistics
- Description of network
- Description of road competencies (national/regional/local)
- Description of budgets and procedures
- Policy and targets description
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Material and software translations

https://vida.irap.org
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Syllabus and Training Plan

- To increase knowledge and skills and encourage transnational use of a common methodology
- 5-day training courses 3-day training with translated material followed by 2-day webinars focused on the Thematic Areas

Courses will focus on:
- Star Rating Roads for Safety
- Road Assessment Methodology
- Safer Roads Investment Plans and how to invest based on best cost benefit ratio
- Use of innovative software (ViDA) to select road safety countermeasures and match them to existing budgets.

Thematic Areas:
- Safer Road Investment Plans
- ITS
- Vulnerable Road Users
- Road Safety near Schools
First meeting of RSEG in March 2019 in Ljubljana
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Road Safety Expert Group

GOAL

IMPLEMENTATION

DIRSI ACTION PLANS

DIRSI STRATEGY

ROAD SAFETY EXPERT GROUP
Pilot actions

- Practical examples – results of transnational learning activities
- 2x4 Pilot Actions
- Pilots evaluation will feed into DIRSIS and Action Plan

Implementation-ready road layout concept plans
RADAR Communication Activities

DIGITAL LANGUAGE @RADARproject
#RADARproject in digital world

RADAR
Risk Assessment on Danube Area Roads

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RADAR
Risk Assessment on Danube Area Roads

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Official promotion material

7 news

2 newsletters

1 interview

• Interview with John Dawson, Board Director, EIRA, EuroRAP

Official website

www.interreg-danube.eu/RADAR
#RADARproject in digital world

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Your Road Safety is on our RADAR.
1st Danube Road Safety Conference

October 24, 2018
Dubrovnik, Croatia

Participants of the conference
• More than 60 transport stakeholders

Non-governmental organisations
• 10

Universities and national public authorities
• 1

Ministries and Road Authorities
• 4

International Organisations
• 5
THANK YOU FOR YOUR ATTENTION