Project SABRINA: Bicycle Route Assessment for Cyclists' Safety across the Danube region’s Euro-Velo routes

7th IRTAD Conference, 27-28 September 2022, Lyon
George Ursachi, ATA, Romania
Agenda

- **Short presentation of SABRINA**
  - *Goal and objectives*
  - *Methodological approach*

- Results (provisional)
- Conclusions
- Q&A
- Contact
SABRINA – Safer Bicycle Routes in Danube Area

Project duration:
1 July 2020–31 December 2022

Overall budget: 2,086,019.00 EUR
EBRD contribution: 1,701,992.40 EUR
ENI contribution: 71,123.75 EUR

Project is being implemented in the framework of the Danube Transnational Programme (Interreg Danube).
Project Partnership

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<th>Name</th>
<th>Acronym</th>
<th>Country</th>
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<td>The European Institute of Road Assessment - EuroRAP</td>
<td>EIRA - EuroRAP</td>
<td>SI, SLOVENIJA</td>
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<td>FPZ</td>
<td>HR, HRVATSKA</td>
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<td>Austrian Road Safety Board</td>
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<td>HU, MAGYARORSZÁG</td>
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<td>RO, ROMÂNIA</td>
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<td>BG, БЪЛГАРИЯ (BULGARIA)</td>
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<td>Ministry of the sea, transport and infrastructure</td>
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Project goal and objectives

GOAL:
To help decision-makers to plan, design, and implement safe and sustainable solutions for improved cycling infrastructure in the region.

OBJECTIVES:
- **Increase awareness** on bicycle infrastructure safety and knowledge sharing
- **Increase knowledge** of PP and relevant stakeholders to identify and improve safety risks on bicycle infrastructure
- **Enhance transnational cooperation** in increasing safety on Danube region bicycle safety, that will enable informed decision on building new routes (missing links)
Project Activities

Work Packages (WP)

M: Management

WP T1: Inspection and Safety Ratings of the Danube Bicycle Routes

WP T2: Best Practice Analysis

WP T3: Strategic Decision-Making Toolkit

WP T4: Pilots and Trainings

WP C: Communication
Inspection and Safety Ratings of the Danube Bicycle Routes

Objective: To Star Rate bicycle routes for safety. The focus is on pre-identified EuroVelo (EV) bicycle routes (6, 8, 9, 11, 13, 14) in the Danube area.
Inspection and Safety Ratings of the Danube Bicycle Routes

Road Assessment Programme (RAP) protocols (iRAP and CycleRAP)

Bicycle Route inspections

European Certification Standard (ECS); European Cyclists' Federation (ECF)

Coding: 52 road design features known to influence crash likelihood and severity of injuries of road users and cyclists in the mixed traffic environment.

The results, including the iRAP Star Rating of the routes, show how safe the routes are for road users and cycling and what could be done to improve the road infrastructure to increase road safety for cyclists.
Objective: To collect and collate best practices relevant to cycling infrastructure and safety improvement measures.

Collected data analysis  Consultation with stakeholders  Desk research
Strategic Decision-Making Toolkit

**Objective:** To provide users (cycling infrastructure and road safety authorities and stakeholders) with a unified set of procedures, know-how and recommendations based on Star Rating (WPT1) and best practice case studies (WPT2) for improving and developing cycling routes with a focus on road safety and safe travels.

**Main Output:** Safe Cycling Routes Toolkit = interactive online tool/web portal
**Strategic Decision-Making Toolkit**

*Project co-funded by European Union funds (ERDF, ENI)*

[https://sabrina-scrt.eu/scrt/](https://sabrina-scrt.eu/scrt/)
**Objective:** Support decision-making on route planning, assessment and upgrade procedures, through learning activities that empower users to take advantage of cycling safety and information collected in WP T1 and WP T2 and structured in WP T3.

**Trainings**
- ECF training: European Certification Standard methodology; Sept 2021
- iRAP training: RAP protocols (iRAP and CycleRAP); Sept 2021

**Pilots**
- Pilot actions focused on practical implementation of main variations of Safe Cycling Routes Toolkit usability.
Results (provisional)

- approx. 3500 km of EV surveyed
- 8 countries

<table>
<thead>
<tr>
<th>Star Rating</th>
<th>Percentage</th>
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<tr>
<td>5 Star</td>
<td>14.42 %</td>
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<tr>
<td>4 Star</td>
<td>4.47 %</td>
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<tr>
<td>3 Star</td>
<td>15.59 %</td>
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<tr>
<td>2 Star</td>
<td>22.40 %</td>
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<td>1 Star</td>
<td>43.11 %</td>
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<td>3 Stars or better</td>
<td>34.48 %</td>
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Results

Austria

Hungary

Romania

Project co-funded by European Union funds (ERDF, ENI)
Results

Slovakia

Bulgaria

Slovenia

Interreg Danube Transnational Programme
SABRINA

Project co-funded by European Union funds (ERDF, ENI)
Results

Czech Republic

Croatia

Project co-funded by European Union funds (ERDF, ENI)

Danube Transnational Programme
SABRINA
Conclusions

- Cycling infrastructure conditions across countries varies greatly. Sometimes it varies a lot even within countries.
- Euro-Velo routes are not cyclable in some places.
- A very high proportion of the EV routes are on mixed traffic (with motorised traffic).
- Investment in cycling infrastructure needed to ensure first safety, then attractiveness.

Challenges

- Low and unprecise crash data availability
- Very low (and disperse) cycling data availability
- Huge cycling infrastructure differences across inspected roads

Solutions

- Targeted investment in cycling infrastructure
- Prioritisation of high risk locations
- “More research is needed!” Actually more and better data is necessary.
Questions?
Contact

SABRINA – Safer Bicycle Routes in Danube Area

www.interreg-danube.eu/SABRINA

@SABRINAprouect

@SABRINA_project

#SafetyOn2Wheels

SABRINA: No fears about safety on two wheels.

Thank You!