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SABRINA – <u>Safer Bicycle</u> <u>Routes in the Danube Area</u>

CityChangers 2030 Conference, Jihlava 17-18 May 2022 Klaus Machata, Austrian Road Safety Board (KFV)





More of this, less of that





Cost-efficient investment in safer cycling infrastructure saves lives and boosts everyday cycling!

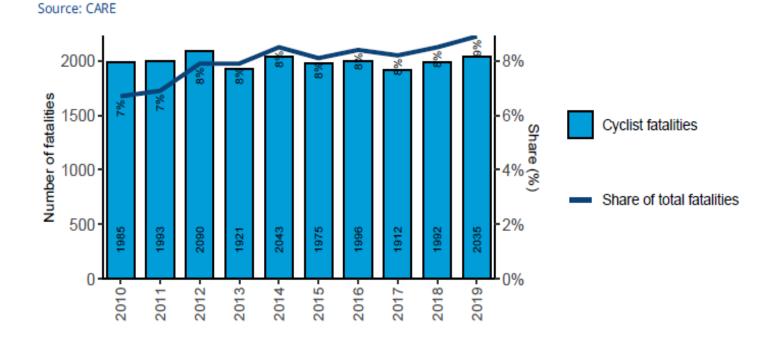
CYCLIST casualties in the EU



Cyclist Fatalities 2019

- 2,035 fatalities
- 9% of all road fatalities
- Steady increase since 2010

Cyclist Injuries 2019: 166,670



Annual number of cyclist fatalities, and their share in the total number of fatalities in the EU27 (2010-2019).

European Road Safety Observatory: Facts and Figures – Cyclists - 2021

Poor cycling infrastructure in the Danube Region!



Cycling infrastructure in the Danube Region is largely at an early stage of development,

especially outside the major urban areas.

In 2014, the results of the EU project SENSoR (South East Neighbourhood Safe Routes) showed that about 80% of the roads in 14 SEE countries are very unsafe for cyclists.

The growing importance of cycling and the aim to prevent serious injuries and fatal accidents among cyclists have resulted in the need to improve the infrastructure and make it safer, more forgiving, sustainable and comfortable.



SABRINA – <u>Safer Bicycle</u> <u>Routes in the Danube Area</u>

Project duration:

1 July 2020 – 31 December 2022

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

Project Partners: 11 Danube Area Countries: 9



SABRINA

Interreg

Danube Transnational Programme

Implementation in the framework of the Danube Transnational Programme (Interreg Danube).

Project Goal

Help decision-makers to plan, design and implement safe & sustainable solutions for improved cycling infrastructure in the Danube Region.



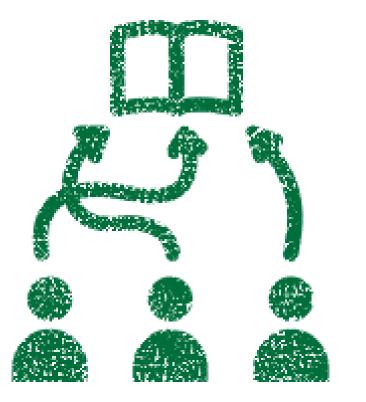


Source: Partnership for Urban Mobility (CZ)

Project Activities

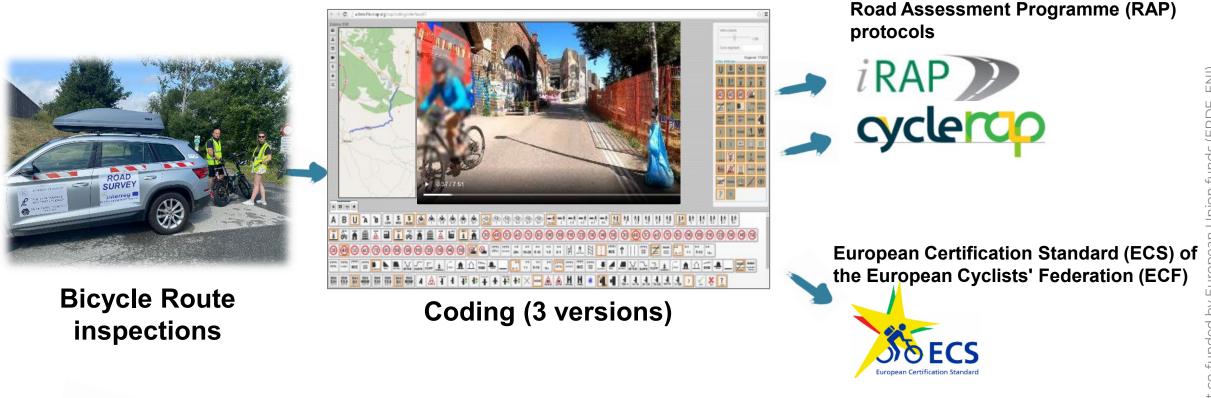
- 1. Inspections and Safety Ratings of Danube Region Bicycle Routes
- 2. Best Practice Analysis
- 3. Strategic Decision-Making Toolkit
- 4. Pilots and Trainings





1. Inspections and Safety Ratings Methodology

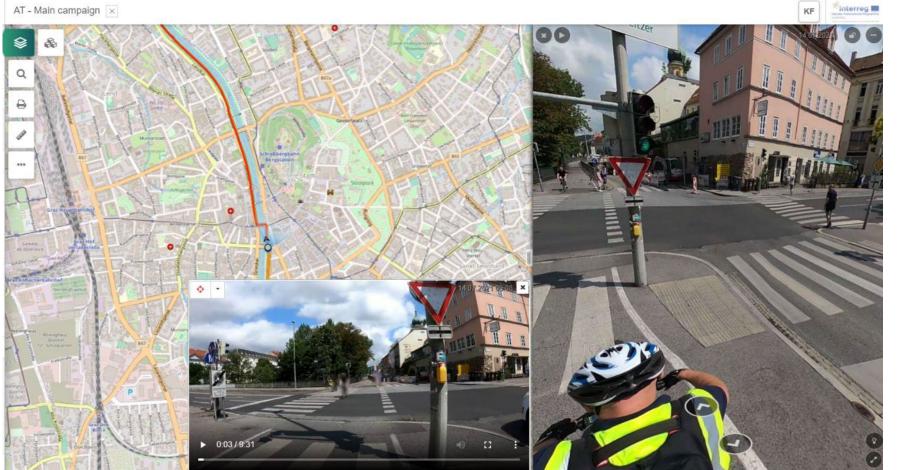




Results: infrastructure safety status quo and potential improvements

1. Inspections and Safety Ratings GIS and video tools





SABRINA WebGIS interface with video & 360° panorama images on EuroVelo 14 in Austria / Graz.

2. Best Practice Analysis





a) Analysis of collected video data good practices





EuroVelo 9, Austria



EuroVelo 6, Hungary



EuroVelo 13, Croatia



EuroVelo 9, Czech Republic

a) Analysis of collected video data poor practices



EuroVelo 6, Austria



EuroVelo 6, Romania





EuroVelo 8, Croatia



EuroVelo 13, Bulgaria

b) Stakeholder consultations

Interviews with over 250 stakeholders in 9 countries

<u>Findings</u>

- Cycling still seen as a leisure activity
 mindset of decision-makers still car-oriented
- Strategies, funding, access to data & capacity lacking
- Distribution of **responsibilities** often dysfunctional
- Safety assessments virtually absent in most countries
- *How safe do cyclists feel?* → key to raising cycling shares!

Recommendations

- Safety & quality of cycling infrastructure → SUMPs!
- Avoid pushing cyclists together with **pedestrians**
- Do not take **Amsterdam** or **Copenhagen** as role models
- Provide attractive alternatives for car users
- Properly maintain your cycling networks
- **Reduction of speed levels** of motorised traffic can turn a road into a perfect cycling facility.
- Rules and regulations: e.g., overtaking safety distance





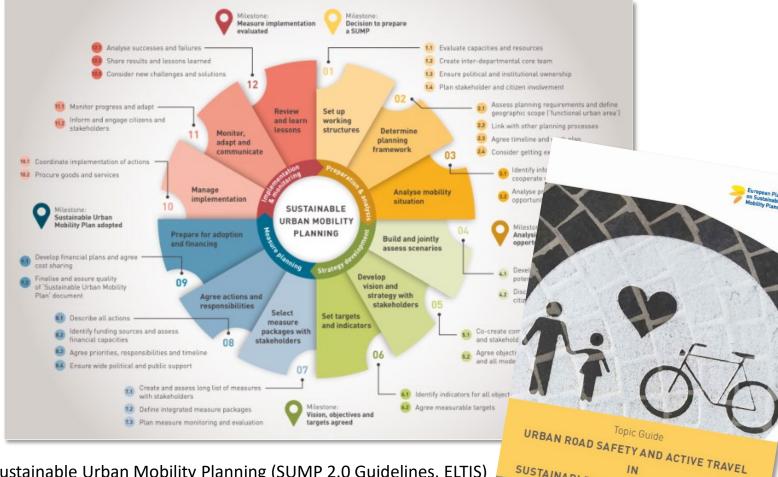
b) Stakeholder consultations

Cities, Sustainable Urban Mobility Plans (SUMPs) and safety



SUSTAINABLE URBAN MOBILITY PLANNING

- Data on cyclists' safety and the quality of cycling infrastructure hardly used in SUMPs
- Lack of access to professional databases with projects, SUMP's and implemented projects
- Walking and cycling should be prioritised within the SUMP implementation process
- SUMPs set up predominantly because of requirements for EU funding
- SUMPs do usually not foresee *maintenance*



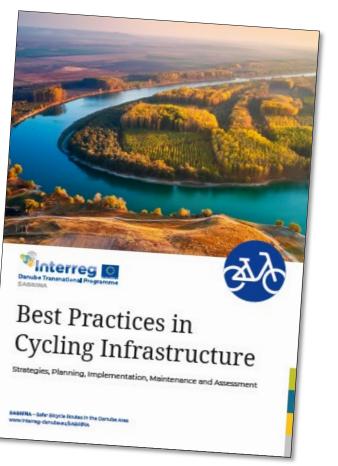
The 12 steps of Sustainable Urban Mobility Planning (SUMP 2.0 Guidelines, ELTIS) https://www.eltis.org/sites/default/files/urban_road_safety_and_active_travel_in_sumps.pd_.pdf

c) Best Practice Recommendations Contents





- National and international strategies
- Regional and local strategies
- Legal frameworks
- Education and training e.g., Urban Mobility Academy (CZ)
- Promotion and awareness raising e.g., CityChangers Campaign (CZ)
- Intermodality of cycling and public transport
- Policy development and evaluation tools e.g., Bicycle Policy Audit (BYPAD)
- Assessment of cycle infrastructure safety
- Planning principles
 - **Planning cycle routes and networks**: SUMP "Nin Vision 2030", implementing a bicycle network (HR)
 - Guides and manuals (national, EU projects)
- Infrastructure
 - Good practices on **various types** of cycling facilities, incl. **organisational** measures, **signing** and **maintenance**



d) Fact Sheets (30!)

RISKS

- Network Issues
- Narrow Infrastructure .
- Speed differences in mixed spaces with pedestrians, • E-Scooters ...
- Speed differences in mixed spaces with motorised traffic
- Junctions and crossings, blind spot .
- Junctions SOLUTIONS •
- Junctions Cycling strategies .
- Poor drivii Planning principles .
- Poor signi Junctions and crossings •
- Objects or Roundabouts

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- **Overpasses and underpasses**
- Types of facilities: mixed with motorised traffic and / •
 - or pedestrian
 - Separated cyc POSITIVE EFFECTS
 - **Energy and resources** Driving condit
 - Time, space and noise Organisationa
 - Multimodality Signs and Ma
 - Technology and design: electric bicycles
 - Business
 - Tourism Ö
 - **Physical Health**
 - Mental Health
 - Social inclusion
 - **Diversity of cultures**





3. Strategic Decision-Making Toolkit



Objective: To provide users with unified set of procedures, know-how and recommendations for improving and developing cycling routes with a focus on road safety and safe travels.

Main Output:

Interactive online tool/web portal



4. Pilots and Trainings





ECF Training European Certification Standard methodology **iRAP Training** RAP protocols (iRAP and CycleRAP)

iRAP

cyclerco

Pilots

Pilot actions will be focused on practical implementations of the **Safe Cycling Routes Toolkit**

- Closing missing links
- Star rating of designs ("safety audits")
- Safer Cycling Infrastructure Investment
 Plan SCIIP



Contacts

SABRINA – Safer Bicycle Routes in Danube Area

www.interreg-danube.eu/SABRINA

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SABRINA: No fears about safety on two wheels.

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