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Preparing FAIRway 2 in the Rhine-Danube Corridor

2019-EU-TM-0262-S / 2019-HR-TMC-0263-S

12.4.2021, Lucia Karpatyova (viadonau)



PROJECT OBJECTIVES



- ▶ Prepare variants for future infrastructure related measures on the Croatian-Serbian common Danube section, on the basis of the **Joint Statement principles** and considering inputs of a **multidisciplinary Stakeholder Forum**
- ▶ Specify the further development of the **transnational Waterway Monitoring System (WAMOS)**
- ▶ Develop an improved method and concept for **stakeholders' coordination**
- ▶ Prepare physical **improvements of mooring places** in Austria, Croatia and Serbia

STAKEHOLDER INVOLVEMENT

- ▶ Stakeholder Forum related to the Monitoring/Modelling of the Croatian/Serbian Common Section
- ▶ Early integration of stakeholders for the development of a Stakeholders' Coordination concept

FACTS & FIGURES



Project objectives

- CEF study taking up core aspects of the CEF Flagship Initiative „FAIRway Danube“
- Prepares implementation within an envisaged „FAIRway Danube 2“ project
- Duration: 7/2020 – 4/2024
- Budget: € 3 292 000

 Federal Ministry
Republic of Austria
Climate Action, Environment,
Energy, Mobility,
Innovation and Technology

viadonau



Project Partners

Coordinator: Federal Ministry of the Climate Action, Environment, Energy, Mobility, Innovation and Technology

Designated implementing body

Austria: viadonau – Österreichische Wasserstraßen – Gesellschaft mbH

Beneficiary Serbia: Ministry of Construction, Transport and Infrastructure

Beneficiary Croatia: Ministry of the Sea, Transport and Infrastructure

Designated implementing body for issues concerning mooring places in

Croatia: Lučka uprava Vukovar (=Port Authority Vukovar)

Monitoring of the Croatian/Serbian Danube Common Section



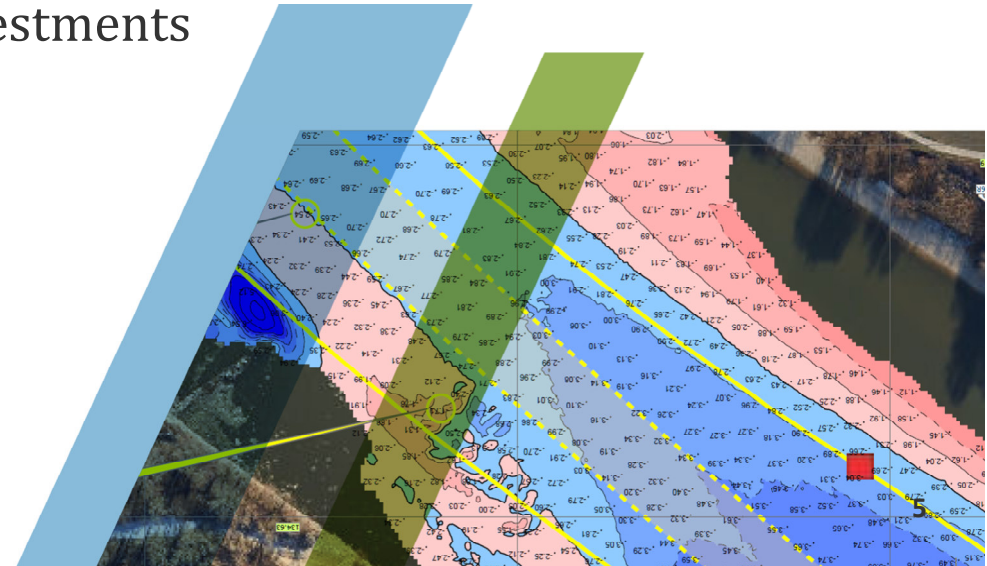
- ▶ Set up an inventory of **navigational & environmental** characteristics of the HR/RS common Danube section (rkm 1433,1 - 1295,5)
 - Monitoring of *hydrological, hydraulic, & morphological* characteristics with focus on navigational parameters and bottlenecks
 - Preparing a catalogue for the *ichthyofauna, ornithofauna, river bottom types (benthos) and floodplain habitats*
- ▶ Use collected data ...
 - ... for navigation purposes - to identify variants for future infrastructure related measures
 - ... to support the environmental authorities in the definition of the conservation objectives of the River Basin Management Plans in Croatia



Modelling & Multi-Criteria Analysis of Croatian/Serbian Danube Common Section



- ▶ Based on the data gathered in the Monitoring Activity
- ▶ Considering the inputs of a multidisciplinary stakeholder forum
- ▶ 1D hydraulic modelling for HR/RS common section
- ▶ Multi-criteria analysis
- ▶ Identify & investigate different variants for future infrastructure related measures
- ▶ Define next steps for future investments



Specification of version 2.0 of the Waterway Monitoring System (WAMOS)



- ▶ Develop Terms of References for functional upgrades of WAMOS
- ▶ New functionalities defined together with existing and potential WAMOS users
- ▶ Enhance the system's ...

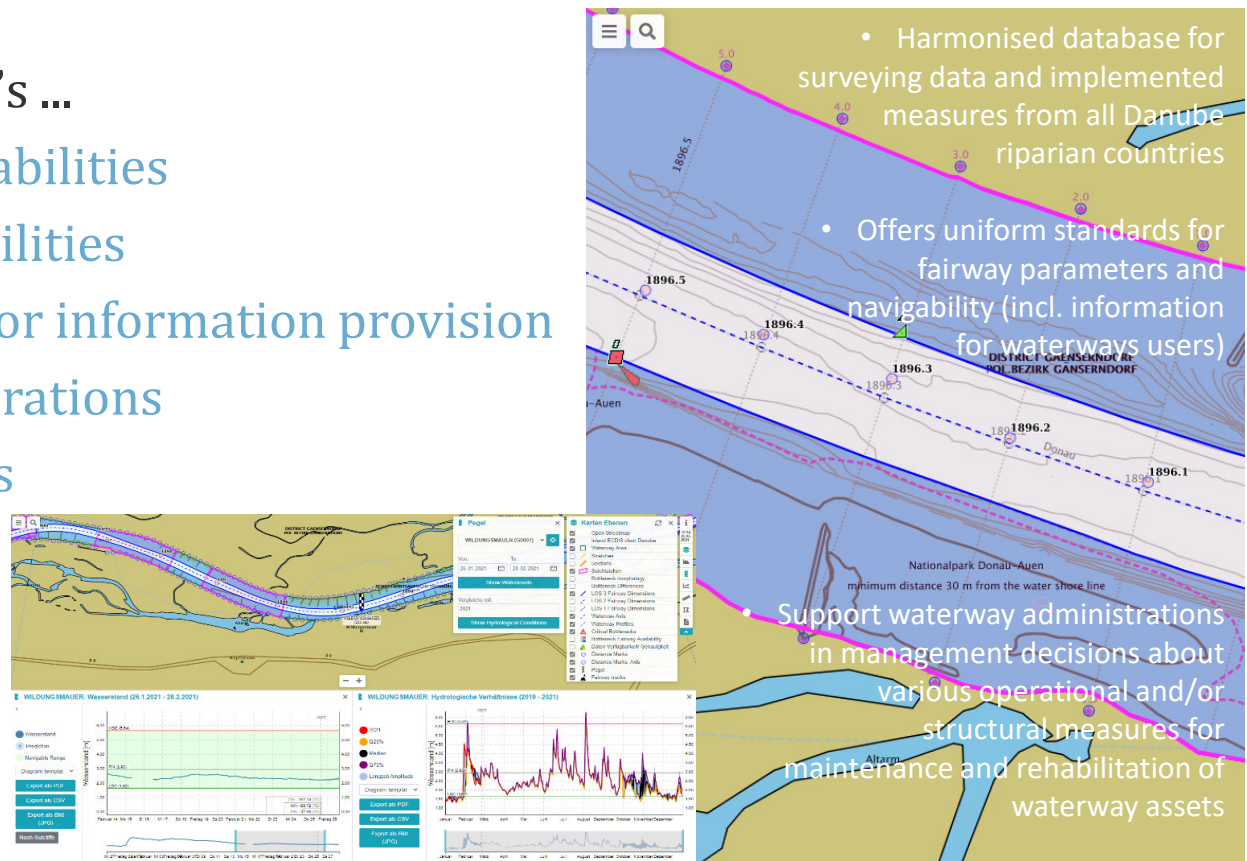
... Operational capabilities

... Analytical capabilities

... Functionalities for information provision

... Efficiency of operations

... User friendliness



Concept for Stakeholder Coordination



FAIRway Danube - positive feedback from coordination activities between waterway management administrations and industry stakeholders

- administrations → info about developments and projects
 - stakeholders → challenges in daily operations & future needs
-
- ▶ Definition of a concept for stakeholder cooperation and coordination along the Austrian, Croatian and Serbian sections of the Danube
 - ▶ Enhance the interaction between administrations and users of the waterway
 - ▶ Concept can be further used by other CEF funded Actions along the Danube

Assessment, Requirement Analysis and Documentation of Mooring Places



- ▶ Studies to **assess the needs of the commercial shipping sector** for upgrading/ construction of mooring places along the Danube and the Sava for Austria, Croatia and Serbia
- ▶ Fundamental analyses of the mooring place situation in Croatia and Serbia
- ▶ Detailed planning for selected locations to be constructed/ upgraded in Austria
- ▶ Methodology for harmonised upgrading and/or construction activities of mooring place infrastructures in Austria, Croatia and Serbia, which can be used for the harmonised roll-out of future activities in all Danube riparian countries



Summary



- ▶ The Project is a **study that aims to create the basis for an integrated planning** (sustainable waterway planning) process
- ▶ There are **no preferred variants** for future river basin management, waterway maintenance, river engineering measures on the common Croatian-Serbian Danube section
- ▶ The project involves **civil society organisations as members** of the Stakeholders' Forum and other relevant (public) administration and/or organisations as observers in the Stakeholders' Forum
- ▶ The project follows the **principles of integrated planning process**, by considering the **ecological aspects** and needs (including Natura 2000 site's conservation objectives) and looking for **ways of integrating these objectives with those of inland navigation** in the addressed location, with the view to create win-wins wherever possible
- ▶ **EU funds only the activities** which are included in the **Grant Agreement**



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