



FAIRway Danube

a milestone for the realization of
the Masterplan of the Danube and
its navigable tributaries

Agenda

- FAIRway Danube in a nutshell
- Developments in selected Danube countries

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Activity breakdown

Activity 1	
Project Management	
via: Andreas Bäck	
01.07.2015	30.06.2020

Activity 2	
National action plans & definition of pilots	
via: Gudrun Maierbrugger	
01.09.2015	30.09.2019

Activity 3	
Procurement of equipment	
IAPPD: Bozhidar Yankov	
01.09.2015	30.06.2019

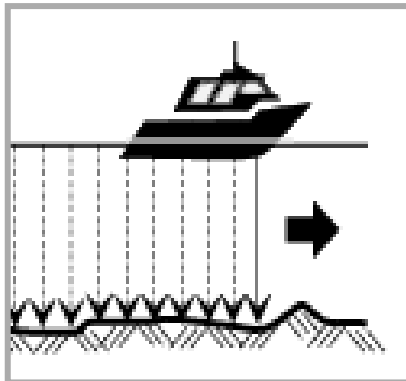
Activity 4	
Pilot activities implementation	
AFDJ: Adrian Maizel	
01.06.2016	28.02.2020

Activity 5	
Innovative approaches	
AFDJ: Dan Craciun	
01.11.2015	28.02.2020

Activity 6	
Documentation for selected future measures	
ARVD: Zuzana Šebestová	
02.11.2015	31.12.2017

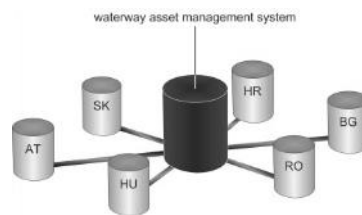
Procurement of equipment for hydrological services

Data gathering

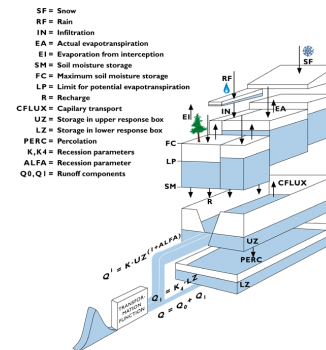


5 Surveying vessels
&
39 gauging stations

Data processing and analysis



1 transnational and
5 national
Waterway
management
systems



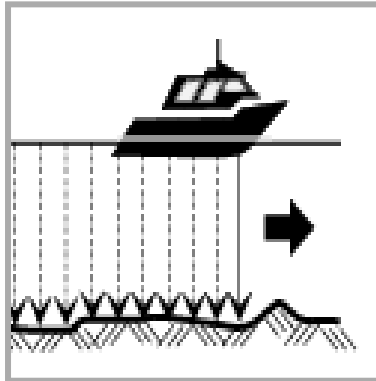
Water level
forecast
in
HU, HR, BG, RO

Respond to data



4 Marking vessels

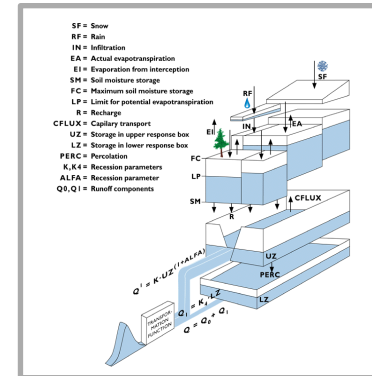
Pilot operation over 3 years...



Systematic
**decision
support**
through
improved data
analysis.

**Optimized
surveys** & denser
intervals at
critical locations.

Strategically
placed water level
gauges deliver
basic data.



Exploit full
potential of
**navigation
conditions**
through dynamic
marking

Matchable
water level
forecasts
displayed in a
harmonized
way.



... to gain experience for the full deployment of the Master Plan

Documentation for selected future measures

Address other issues that hamper navigation at the Danube and its navigable tributaries.

- Pre-feasibility study to upgrade the **Gabčíkovo lock**
- Feasibility study to upgrade the **Lower Váh**

Gabčíkovo locks operation safety, capacity and reliability improvement project

Pre-feasibility study

Version: (final)
Date: 31.12.2015
Status: internal

Stakeholder involvement

FAIRway Advisory Board

twice per year (Q1 and Q3)



National User Fora

once per year in each country,
first half of the year

- ▶ Reflect recent trends
- ▶ Discuss planned activities
- ▶ Contribute to technical specifications and operational concepts

Expected impact of FAIRway Danube: improved fairway conditions

Coordinated approach
give insight on national circumstances and coordinate planned actions

Updated **national action plans** twice a year

Collect, analyze and publish **basic data**

5 surveying vessels and **39 gauges**,
3 years **pilot operation**,
improved **water level forecasts**

Use available depths:
relocate the fairway

4 marking vessels,
3 years **pilot operation**

no dredging

Test **innovative approaches**,
Preparatory studies for Váh and Gabčíkovo

AIS AtoNs, drones for monitoring, etc.
Studies on the navigability of the Váh and the upgrade of Gabčíkovo

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Selected developments in Germany

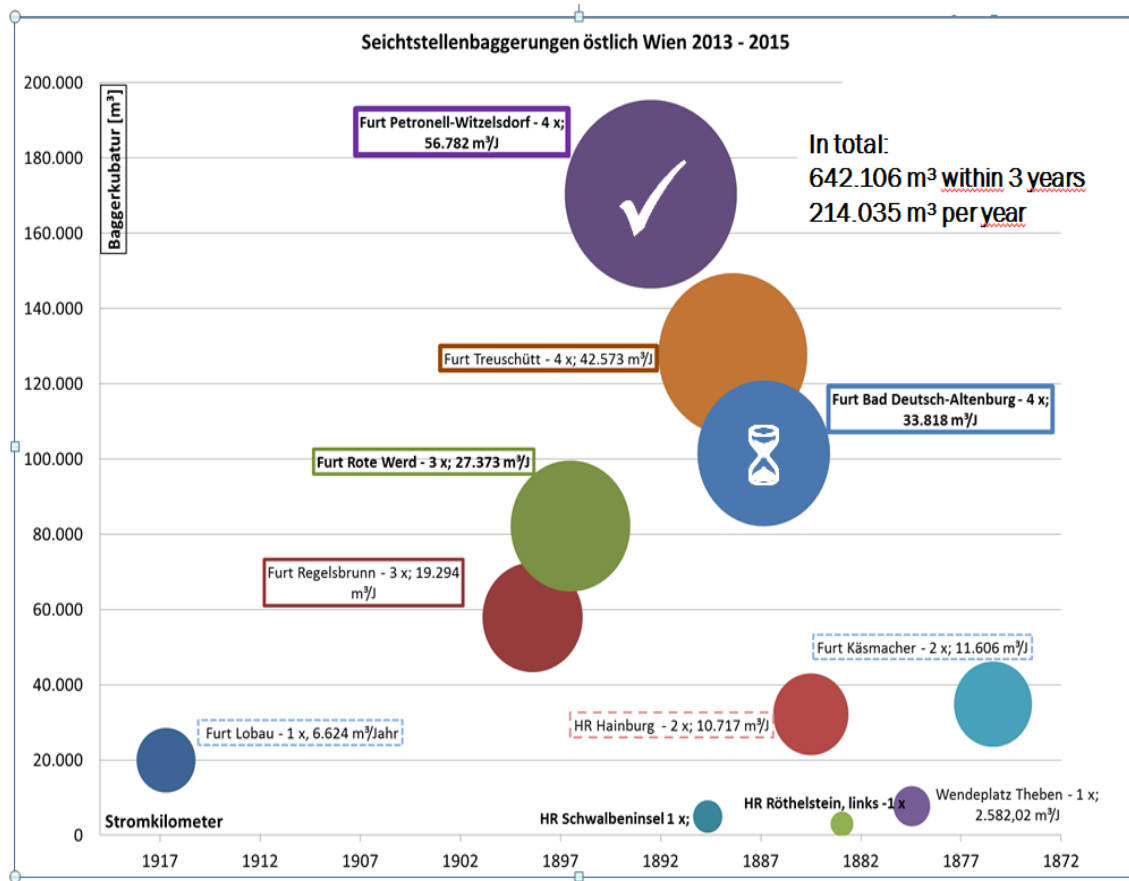
Under preparation / in progress:

- Upgrade of the Danube between Straubing and Vilshofen: Pursuing Variant A
- Rehabilitation and/or reconstruction of locks on the Danube and the Main
- Deepening of the fairway of the Upper Main
- Deepening of the fairway of the Lower Main



Selected developments in Austria

In progress:






Selected developments in Slovakia

Financing ensured:

- Upgrade of Gabčíkovo locks (145 Mil.€, 85% CEF)
- Váh feasibility study tendered in 10/2016
- 1 surveying vessel as of 09/2017
- 1 marking vessel as of 06/2018

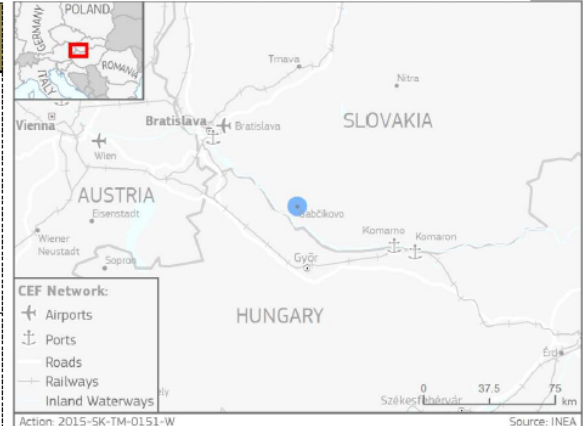


European Commission

Upgrade of Gabčíkovo locks

2015-SK-TM-0151-W
Rhine - Danube

Cohesion call Core Network Corridors	
Member State(s) concerned: Slovakia	
(Coordinating) Applicant: Ministry of Transport, Construction and Regional Development	
Implementation schedule: Start date: February 2016 End date: December 2020	
Requested funding:	
Total eligible costs:	€144 665 000
Requested funding:	€122 965 250
Requested EU support:	85.00%
Recommended funding:	
Recommended total eligible costs:	€144 665 000
Recommended funding:	€122 965 250
Recommended EU support:	85.00%



The Action is located on a pre-identified section of the Rhine - Danube Corridor (Danube - Kehlheim - Constanta/Midia/Sulina), along the Slovak stretch of the Danube. It is part of a global project to upgrade the overall Rhine - Danube Corridor to reach stable navigation throughout the year. It aims to remove a significant bottleneck by upgrading and modernising the Gabčíkovo locks and their operating control system. The Action encompasses five activities: 1) Project management; 2) Detailed planning; 3) Public procurement for works and supervision; 4) Construction works; 5) Supervision of the operations. The Action will contribute to an increase of inland waterway traffic and enhance safety operations along the Slovak stretch of the river.

Action: 2015-SK-TM-0151-W Source: INEA



Selected developments in Hungary

In progress:

- Upgrade of 25 gauging stations until 03/2018
- Publication of new Electronic Navigational Charts in 2Q2017

Financing ensured:

- Danube development study (planning and EIA)
- 1 surveying vessel as of 09/2017
- 3 fairway marking vessels, 3 high-speed patrol boats, 115 Inland AIS light buoys, 210 new unlighted buoys, etc. until 06/2020

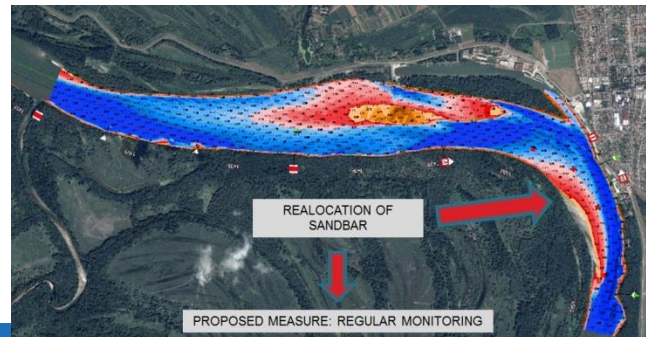
Selected developments in Croatia

In progress:

- 1 surveying vessel as of 06/2017
- 4 new gauging stations and upgrade of 5 gauging stations until 06/2017
- Monitoring of sandbar in the Apatin area

Financing ensured:

- 1 marking vessel as of 06/2018
- Development of water-level forecast





Selected developments in Serbia

Financing ensured:

- Tender for river training and dredging works on critical sectors on the Danube (submission deadline: 12/2016)
- Tender for supervision and environmental monitoring of the works (submission deadline: 01/2015)

OJ/S S172 07/09/2016 308647-2016-EN		External aid programmes - Works - Contract notice - Open procedure	1 / 6
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This notice in TED website: http://ted.europa.eu/udl?uri=TED:NOTICE:308647-2016:TEXT:EN:HTML			
Serbia-Belgrade: IPA — River training and dredging works on critical sectors on the Danube river 2016/S 172-308647			
Works contract notice			
Location — Serbia			
1.	Publication reference: EuropeAid/135644/IHWKS/RS.		
2.	Procedure: Open.		
3.	Programme title: National programme for Serbia under the IPA — transition assistance and institution building component for the year 2013.		
4.	Financing: Financing agreement.		
5.	Contracting authority: The Government of the Republic of Serbia, represented by the Ministry of Finance, Department for Contracting and Financing of EU-Funded Programmes (CFCU), 3-5 Sremska St, VII floor, office 701, Belgrade, 11 000, REPUBLIC OF SERBIA.		
<u>Contract specifications</u>			
6.	Description of the contract: The purpose of this project is to execute river training structures and dredging works at a total of 6 critical sectors along the Serbian stretch of the Danube river between Backa Palanka and Belgrade (from km 1287 to km 1195) consisting of: <ul style="list-style-type: none">• dredging and the construction of 1 detached groyne,• construction of 3 bottom sills,• construction of 3 chevrons. The works have to be executed within a total construction period of 3 years. The purpose of these works is improvement of navigation conditions during the low water periods along the river Danube. The project shall be managed according to 'Red Book' of FIDIC conditions of contract.		



Selected developments in Bulgaria

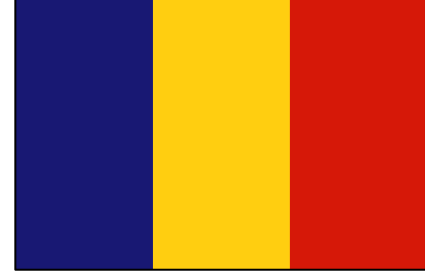
In progress:

- 1 surveying vessel as of 03/2017



Financing ensured:

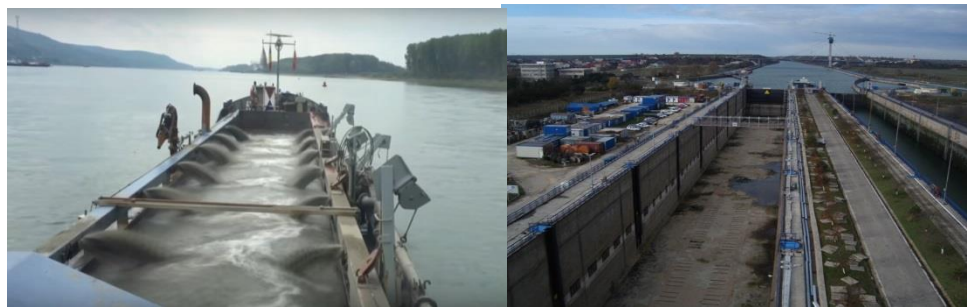
- 1 surveying vessel as of 09/2017
- Upgrade of 10 gauging stations until 12/2017
- 1 marking vessel as of 06/2018
- Upgrade of water-level forecast



Selected developments in Romania

In progress:

- Frame contract for maintenance dredging started in 09/2016



- Rehabilitation of locks on the Danube-Black Sea Canal (228 Mil.€ for Phase 1)

Financing assured:

- 1 surveying vessel as of 09/2017
- Upgrade of 18 gauging stations until 12/2017
- 1 marking vessel as of 06/2018
- Upgrade of water-level forecast

Summary and conclusions

- FAIRway Danube serves as implementation platform for the Master Plan
- FAIRway Danube prepared the pre-feasibility study on lock of Gabčíkovo finalized → basis for CEF-financed investment project
- Progress is made in the area of monitoring the fairway, river engineering/dredging works a few countries are already ongoing
- Co-Funding of the European Union is a crucial enabler



Thank you for your attention.

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