

9th Meeting of Working Groups

Waterway Maintenance and Management

Vienna | 15th November 2016



Agenda

- Fairway Rehabilitation and Maintenance Master Plan for the Danube and its Navigable Tributaries - Action Plan Update October 2016
- Projects implementing the Master Plan
- Selected transnational initiatives
 - Danube STREAM project
 - TEN-T Corridor Work Plan for the Danube
 - Environmental impacts of navigation projects





Fairway Rehabilitation and Maintenance Master Plan

for the Danube and its Navigable Tributaries

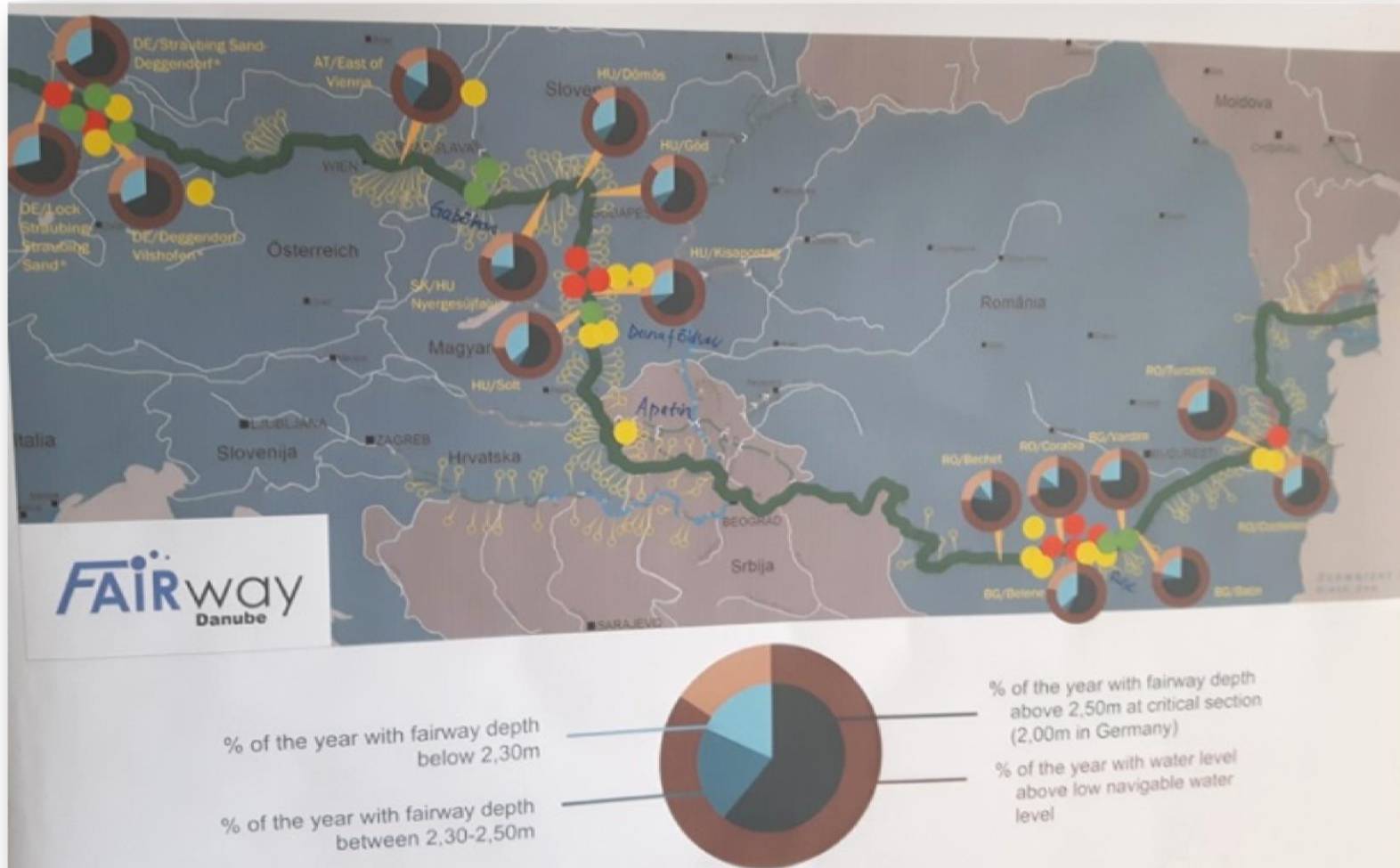
Action Plan Update October 2016

Fairway Rehabilitation and Maintenance Master Plan

- Defines a recommended minimum **Level of Service** (2.50m fairway depth at Low Navigable Water Level)
- Lists **critical locations** as regards fairway rehabilitation and maintenance
 - **below 2.5m fairway depth (LNWL)** and specified fairway widths
 - Identified by waterway administrations  and Danube users  (2014)
- Specifies the **required national measures** and **additional investments needed** to reach **recommended minimum Levels of Service**



User feedback June 2016



FAIRway Danube project

- Implementation of specific parts of Fairway Rehabilitation and Maintenance Master Plan
- Set up and evaluate pilot activities for improved hydrological services
 - Surveying of riverbed and water level monitoring
 - Integrated data analysis and water level forecast
 - Exploit potential of dynamic fairway marking
- Procurement of equipment
- Pre-feasibility study for lock rehabilitation Gabčíkovo (completed)

- Physical interventions (dredging) are out of project scope
 - National responsibility

- **Significantly improve data quality, data coherence and coordination of actions along the Danube waterway corridor**

FAIRway Danube in a nutshell

inland waterway
study with pilots

No physical
interventions
(no dredging)

Duration

5 years,
from
1 July 2015
until
30 June 2020

Budget

Total: 23,4 Mn EUR
CEF: 19,7 Mn EUR
30%
effective co-funding for AT,
85%
for cohesion countries

7 partners in
6 Danube riparian
countries

Coordinated by:

Austrian Ministry for Transport, Innovation and
Technology &
via donau-Österreichische Wasserstraßen-
Gesellschaft mbH (viadonau)

viadonau

Website: www.fairwaydanube.eu (as of 02/2016)

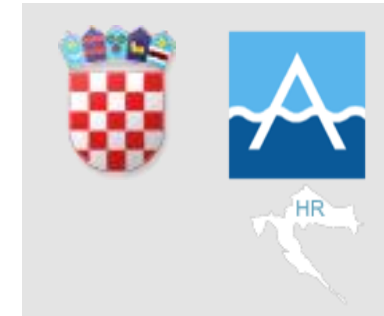
Beneficiaries and implementing bodies



Ministry of Transport, Construction and Regional Development & Waterborne Transport Development Agency (ARVD)



Ministry of National Development, Nemzeti Infrastruktúra Fejlesztő Zrt. (NIF) & General Directorate of Water Management (OVF)



Ministry of Maritime Affairs, Transport and Infrastructure & Agency for Inland Waterways (AVP)



Executive Agency "Exploration and Maintenance of the Danube River" (EAEMDR)



River Administration of the Lower Danube Galati (AFDJ)



Administration of the Navigable Canals (ACN)

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

National Action Plans

- **EUSDR PA1a** developed national roadmaps based on the Fairway Rehabilitation and Maintenance Master Plan as asked for in the Ministerial Conclusions (Dec 2014)
- **Further development** within FAIRway Danube:
 - 1st version of National Action Plans developed
 - Update twice per year (May and October)
- **Status and outlook** on:
 - critical locations
 - hydrological conditions
 - rehabilitation/maintenance activities
 - environmental impacts
 - budget needs

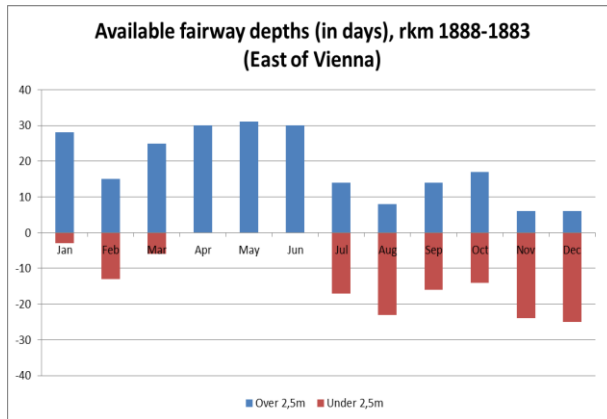
National Action Plans allow us to keep fairway maintenance on the political agenda

Update October 2016

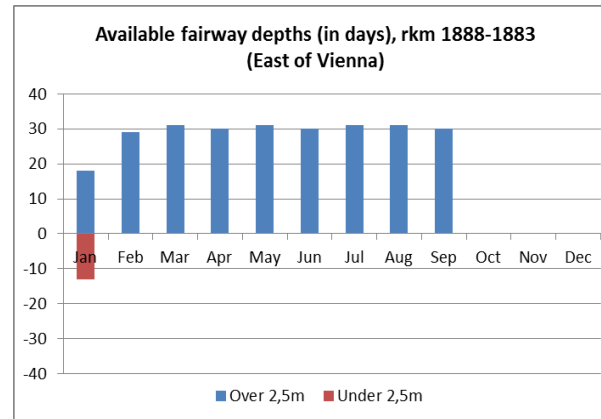
Most critical section(s) per country

AT:

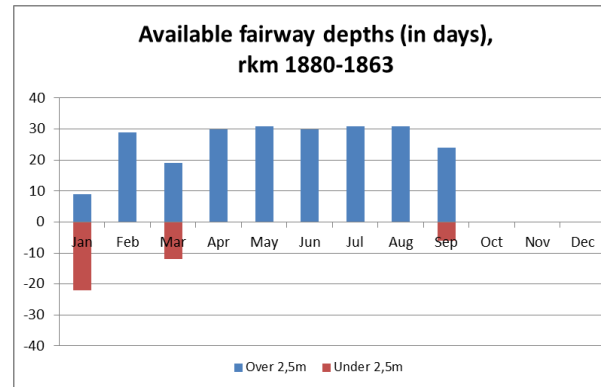
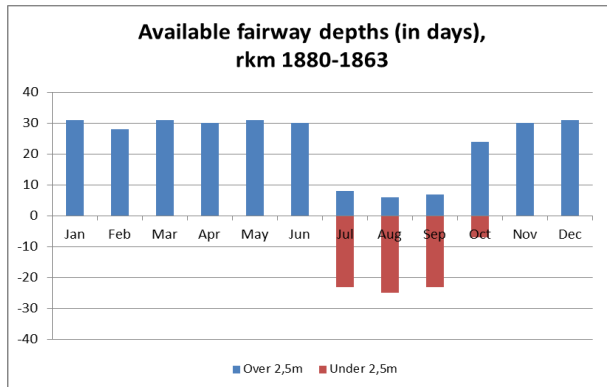
2015



2016



SK:



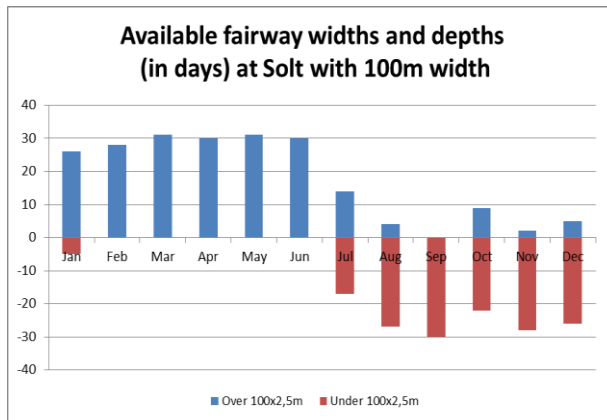
Update October 2016

Most critical section(s) per country

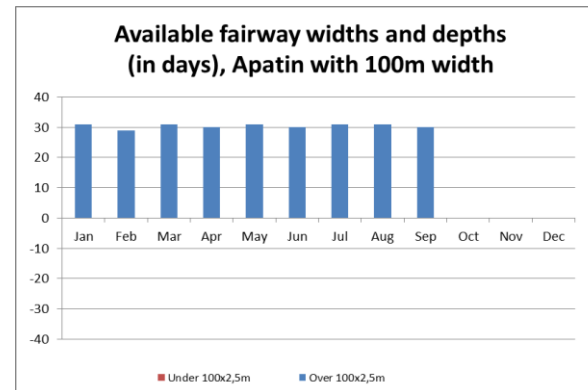
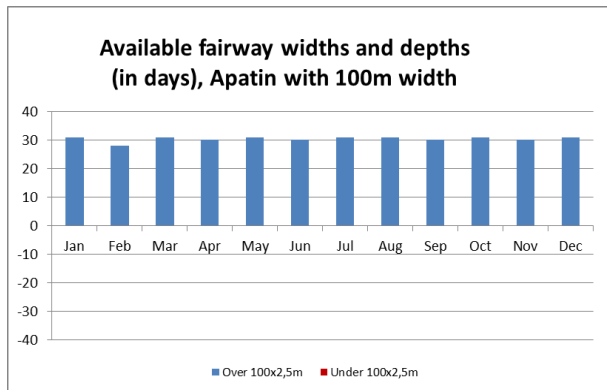
2015

2016

HU:



HR:



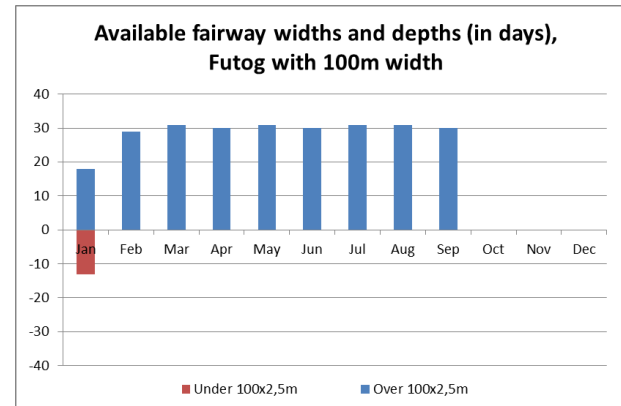
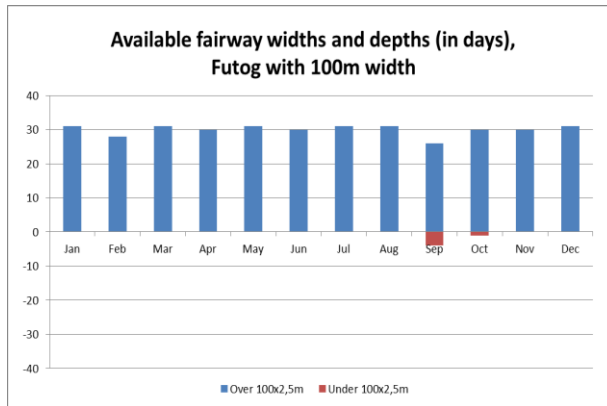
Update October 2016

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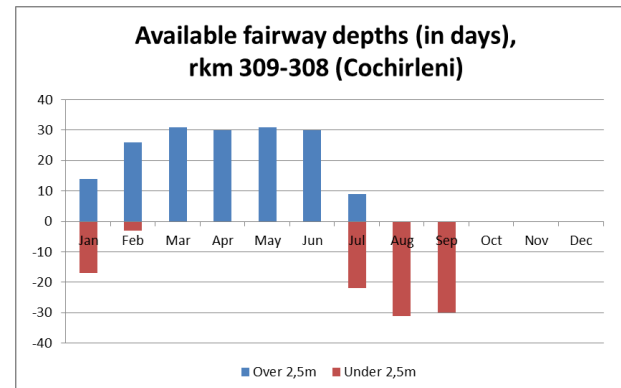
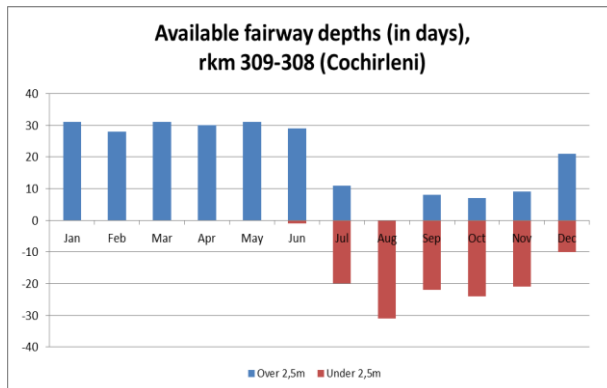
2015

2016

RS:



RO:

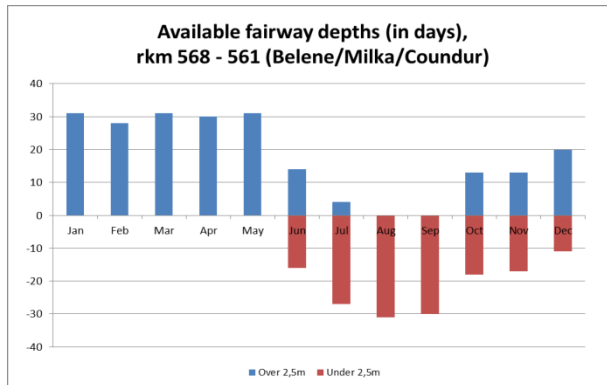


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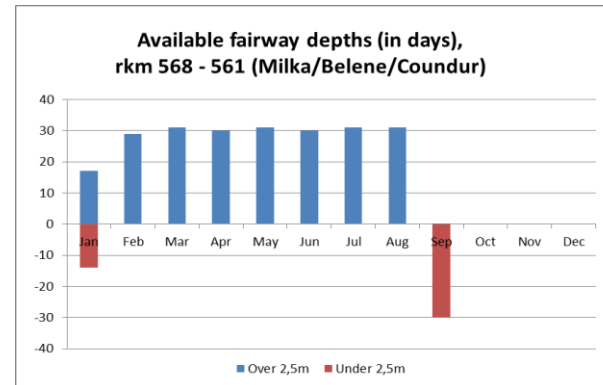
Most critical section(s) per country

BG:

2015



2016



National Action Plans – Summary and next steps

- January was critical due to bad situation in winter 2015
- Good navigation conditions based on good hydrological conditions from February – August
- Severe drop of water levels as of September, mostly on Lower Danube
- Critical navigation conditions as of September, most critical sections 2016: Cochirleni, Belene/Milka/Coundur area
- **Next steps:**
 - Next update: May 2016
 - Continuous monitoring of emerging and/or solved critical sections (also based on your feedback)



Thank you for your attention.

viadonau

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