

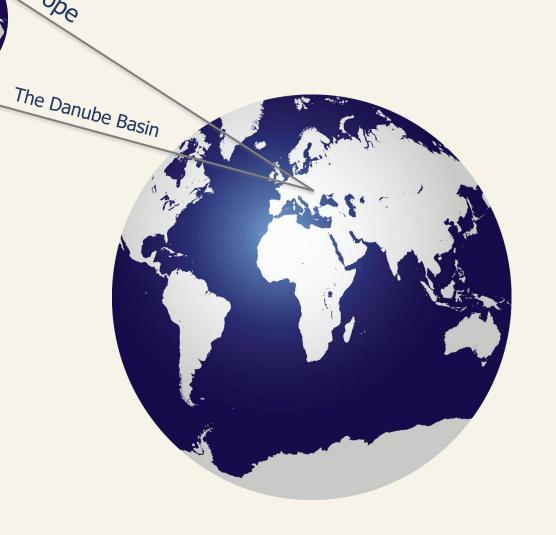


Birgit Vogel Executive Secretary ICPDR

13th EUSDR Annual Forum
Session of EUSDR Priority Area 4 – Water Quality
20 June 2024
Vienna / Austria



The Danube has always been one of Europe's most important river







Lifeline for people and countries

Ecological richness & biodiversity





Danube is a connector with the Black Sea: Important regarding many aspects

International cooperation plays a key role in the DRB

ICPDR Implementation Responsibilities

✓ Cooperation under 1994 Danube **River Protection Convention**



✓ Transboundary coordination of EU WFD & FD



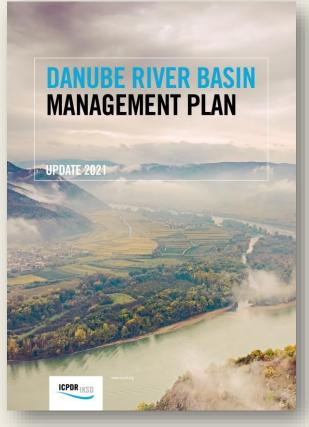






Key Challenges Towards Solutions

5 Significant Water Management Issues





Organic Pollution





Hazardous Subst Pollution



Hydromorphological

Alterations



Effects of Climate Change (drought, water scarcity, extreme hydrological phenomena and other impacts)



Transforming Alterations into Good Status through Monitoring O

Monitoring, sharing information and warning system were first joint actions in the DRB <u>also protecting Black Sea</u>

This is unusual and not the same in most river basins

1993: Design of Transnational Monitoring Network

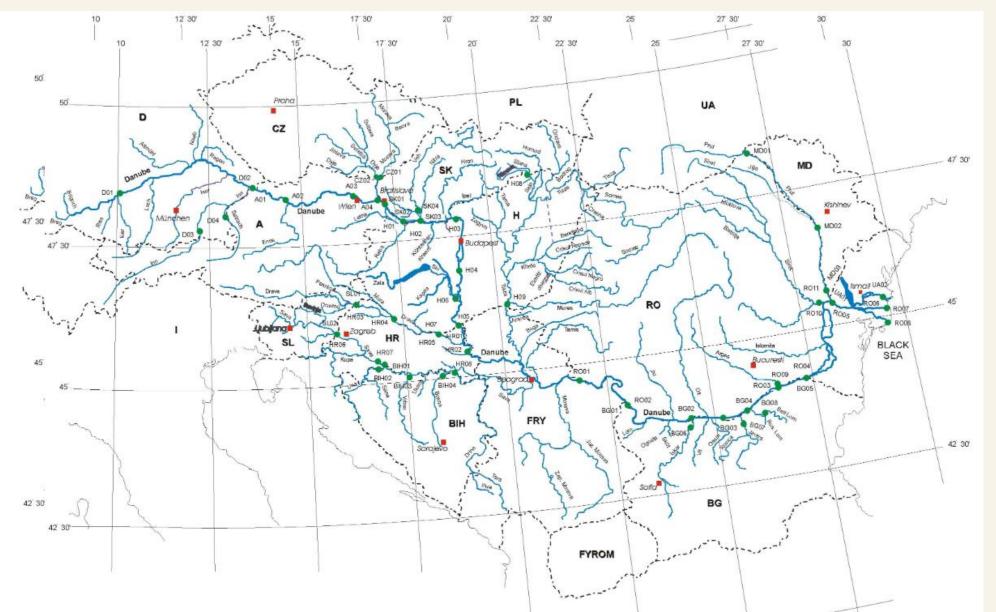
1996: Transnational Monitoring Network is in operation

2001: First Joint Danube Survey (2007, 2013, 2019, 2025)



1996: Initial Transnational Monitoring Network

• 61 sampling sites



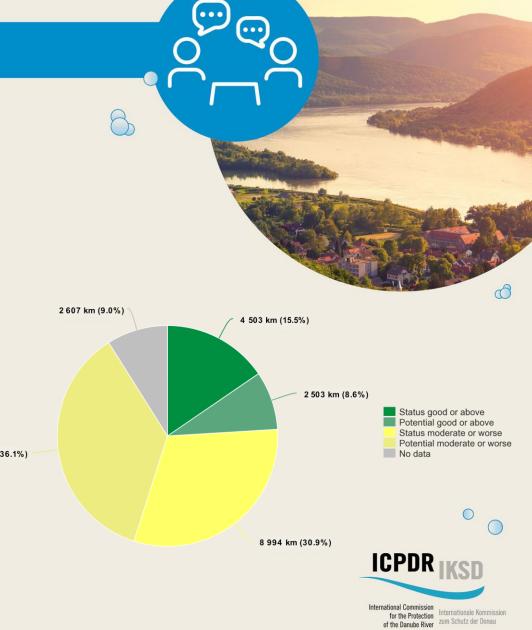
2007: EU WFD Transnational Monitoring Network



101 sampling sites

Assessing Good Water Status based on Monitoring





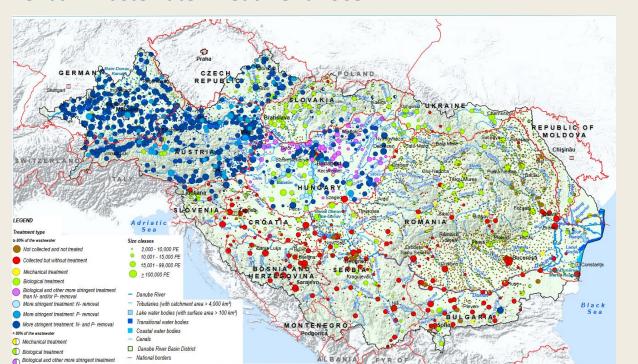
Improving Basin-Wide Wastewater Treatment & Water Status

- 30% nitrogen emissions

- 60% organic emission 28 € billion investment



Urban Wastewater Treatment 2009



Improved Urban Wastewater Treatment 2021



Status 2021: Interruptions of River Continuity for Fish Migration





Danube RBM Plan 2021:

 624 river continuity interruptions are still not passable for fish migration

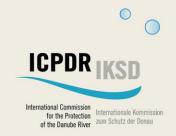


Planned Improvement by 2027: Interruptions of River Continuity for Fish Migration





New assessments and improvement will be presented in the Danube RBM Plan 2027



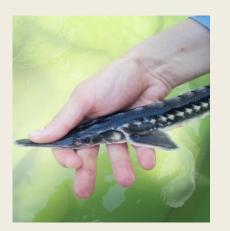
Restoring Longitudinal Connectivity / Fish Migration

2008: Protecting our Flagship species the Sturgeon – Task Force

2023: Feasibilty options to make Iron Gate Dams I&II passable for fish

2022 onwards: Work on Feasibilty for Gabcikovo passability

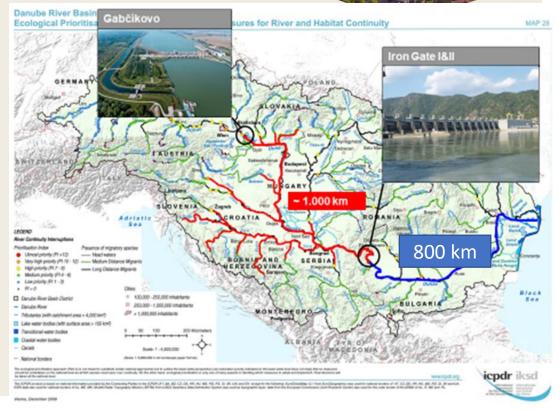
Aim: Connect 1.800 km of the Danube itself and to the Black Sea











Concluding Thoughts

Water quality and fish migration

- Transnational monitoring is key basis for transboundary management, water status information and providing healthy habitats
- Restoration measures to ensure habitats for fish is critical and need implementation
- Ensuring river continuity is essential for short and long-distance fish migration and healthy fish populations

Continue reacting to challenges with transformation

- Basin-wide cooperation is the key tool for success
- Cooperation with the EUSDR
- Cleaner, healthier and safer Danube River Basin

