

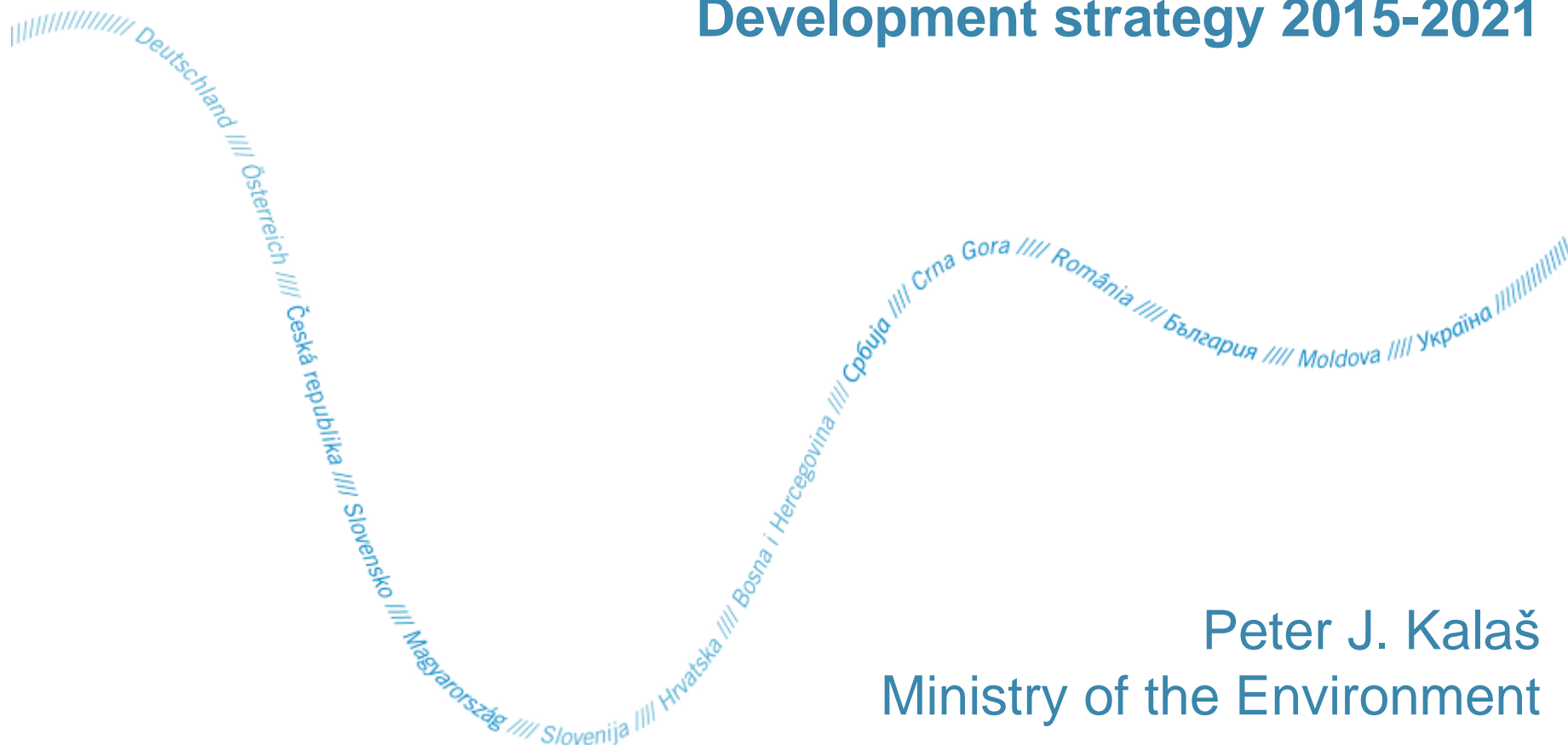
International Cooperation in the Danube River Basin

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for the Protection
of the Danube River

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Kommission
zum Schutz
der Donau

Development strategy 2015-2021



Peter J. Kalaš
Ministry of the Environment

From Black Forest to Black Sea

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Danube River Basin

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Danube Basin by 1990

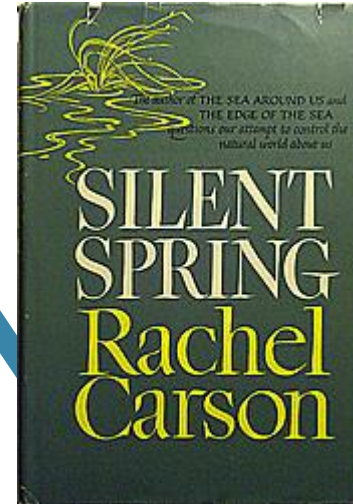
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environmental
degradation



environmental
awareness



more countries

Main objectives

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Danube River Protection Convention 29 June 1994, Sofia (Bulgaria)



Protection of water & ecological resources



Sustainable use of water



Reduce nutrients & hazardous substances



Manage floods & ice hazards

ICPDR coordinates implementation of
EU Water Framework Directive & EU Floods Directive



ICPDR
Delegations of
15 Contracting Parties

ICPDR PS
Permanent Secretariat

FP EG
Flood Protection

S EG
ad-hoc Strategic EG

APC EG
Accident Prevention & Control

MA EG
Monitoring & Assessment

PP EG
Public Participation

PM EG
Pressures & Measures

IMGIS EG
Information Management & GIS

RBM EG
River Basin Management

GROUNDWATER TG

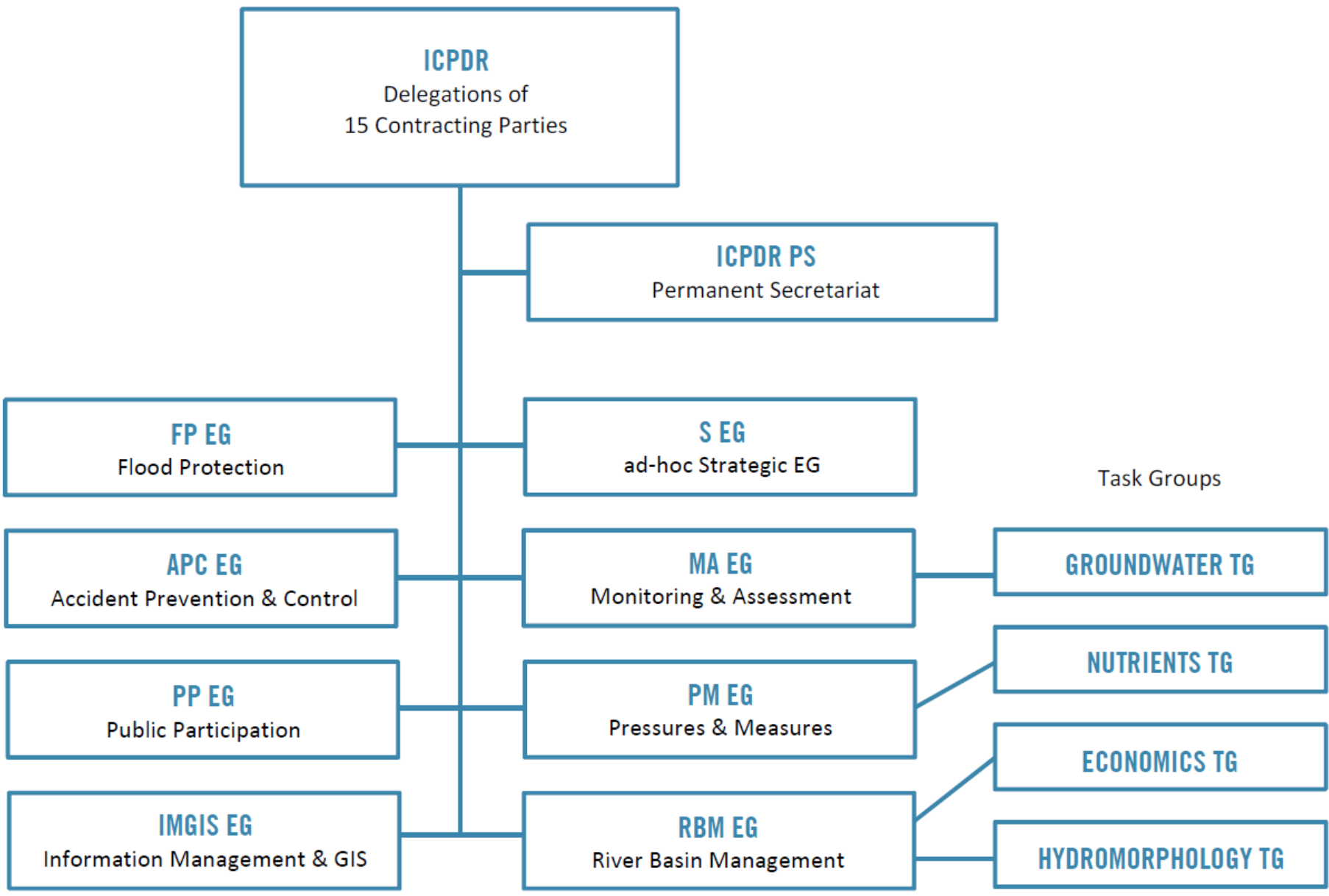
NUTRIENTS TG

ECONOMICS TG

HYDROMORPHOLOGY TG

Task Groups

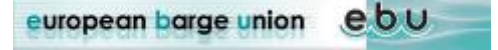
Expert Groups



Stakeholder Involvement: 23 Observers

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Danube Strategy
Civil Society
Forum

viadonau



DANUBEPARKS
network of protected areas



Danube Tourist
Commission

dcc | danube
competence
center

Working for the Danube: Our achievements



Progress in figures

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-50%
organic
emission

-10%
nitrogen
emissions

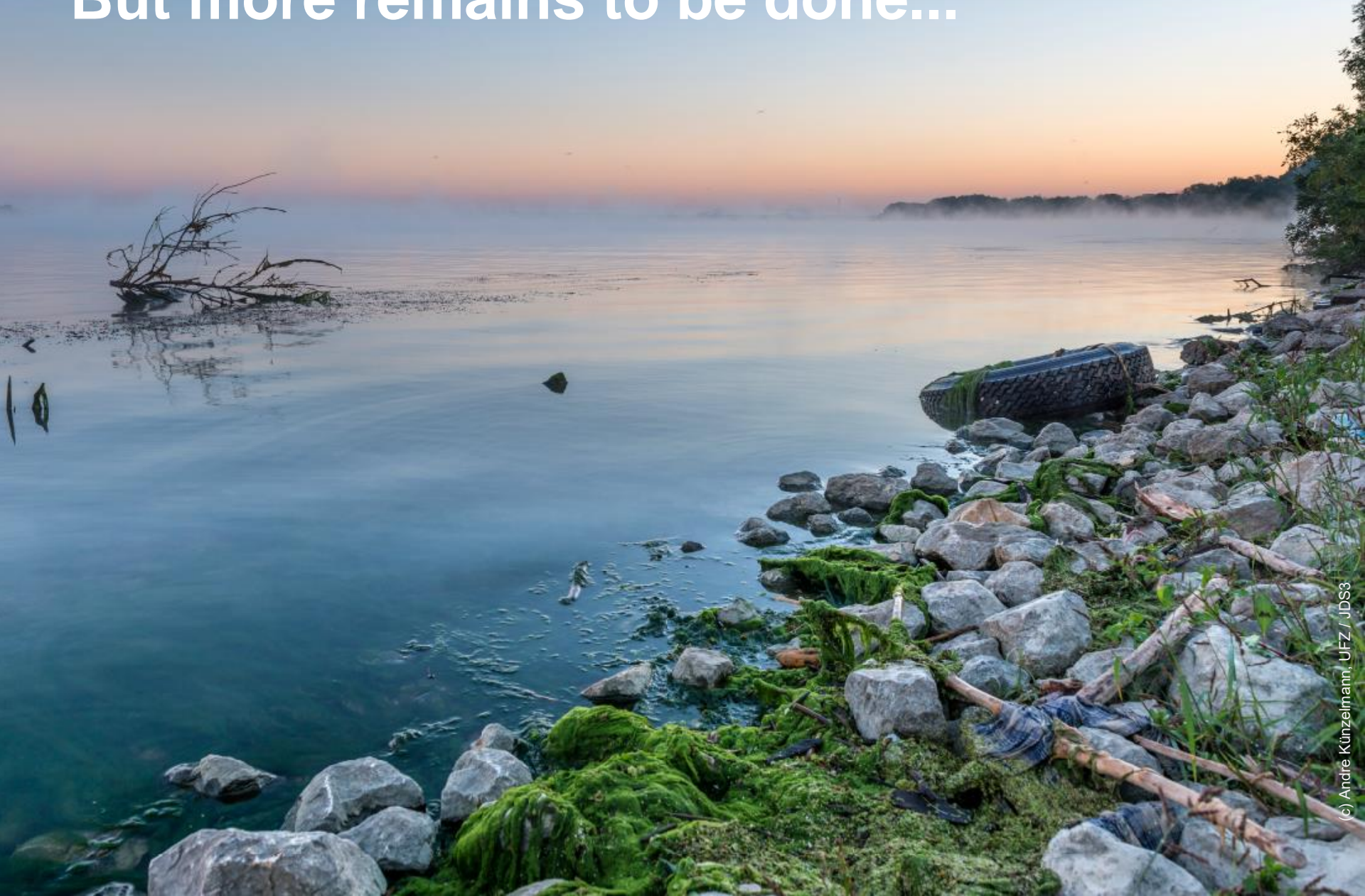
50,000
hectares of
wetlands &
floodplains
reconnected

-30%
phosphorus
emissions

120
fish migration aids
constructed



But more remains to be done...

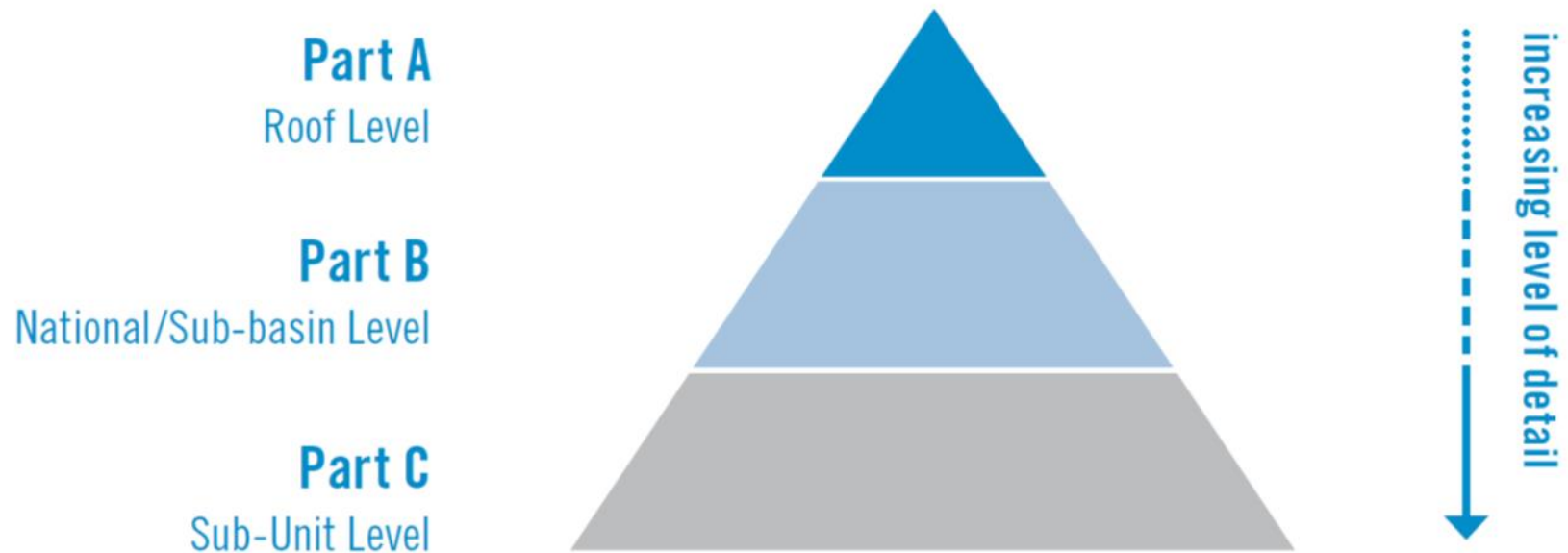


Role of ICPDR regarding EU Directives (WFD & FD)

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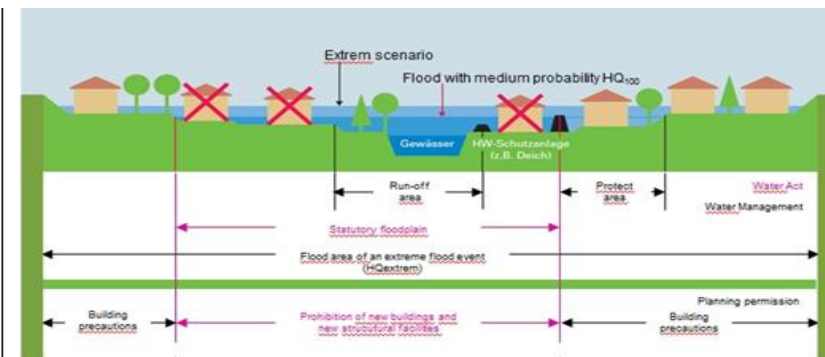
Part A: Danube River Basin = ICPDR

Part B: Countries, bi-lateral, sub-basin organisations

Part C: Management units within country

Relevant issues of Level A (basin-wide)

- Natural water retention & flood retention
- Solidarity principle
- Links to WFD
- Public consultation
- Climate change impacts
- Cost benefit analysis



Roadmap to cleaner, healthier & safer water by 2021

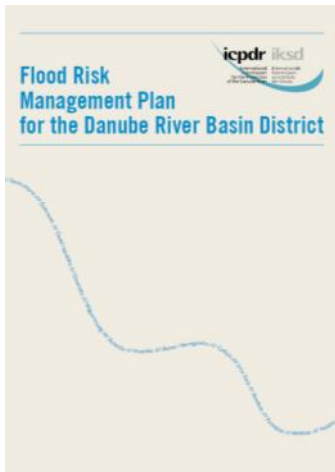
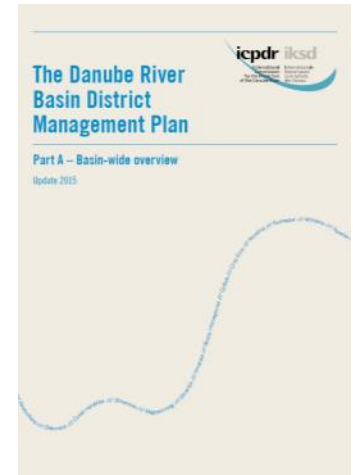
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Danube River Basin Management Plan Update 2015



1st Danube Flood Risk Management Plan



Danube River Basin Management Plan “



Organic
Pollution



Nutrient
Pollution



Hazardous
Substances Pollution



Hydromorphological
Alterations

4 „Significant Water Management Issues“: main themes for the plan

- Joint Programme of Measures
- Evaluation on measure implementation
- Allows conclusions on investment & funding

Example 1 – „cleaner“: Cut pollution from settlements

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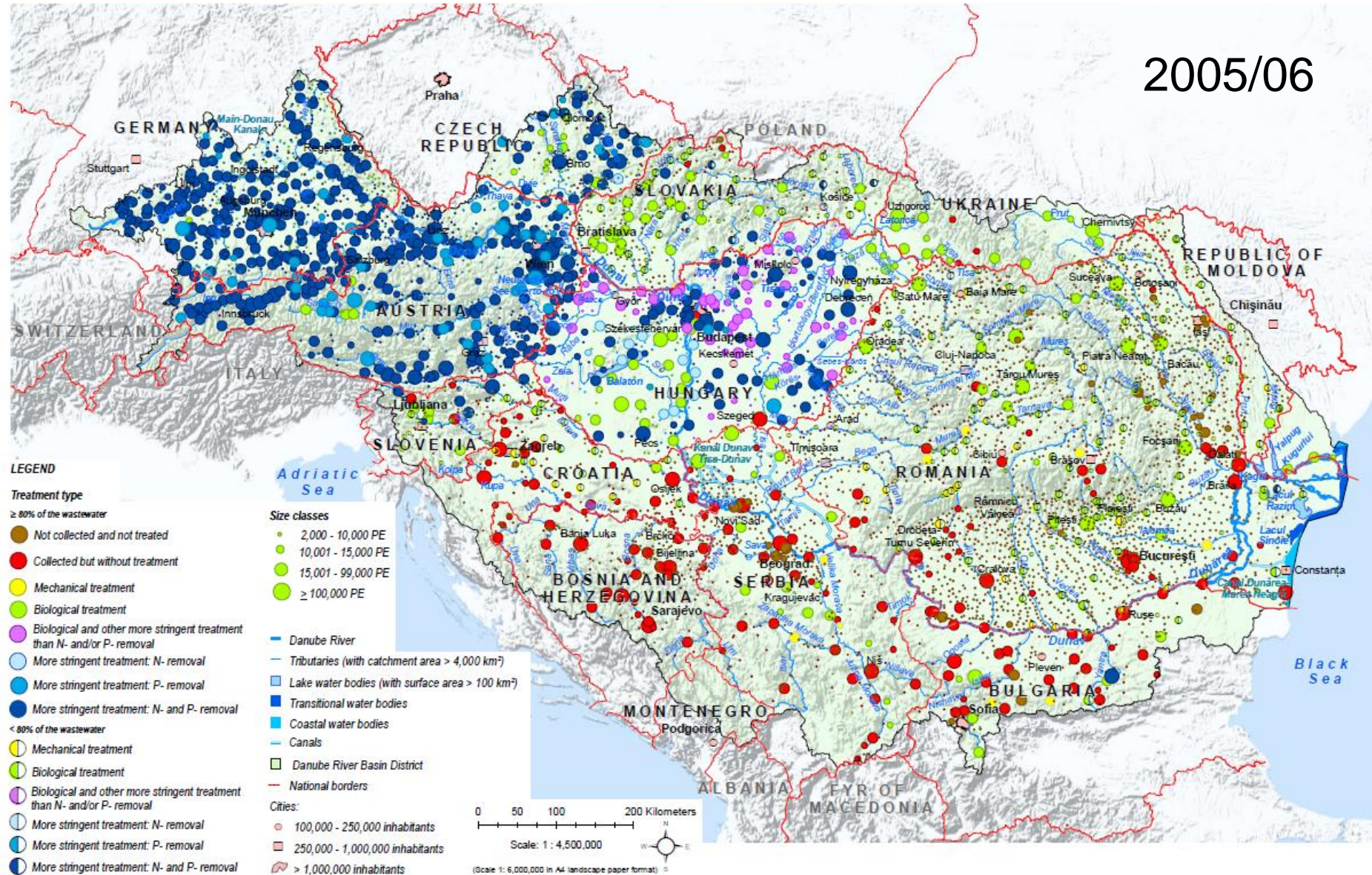
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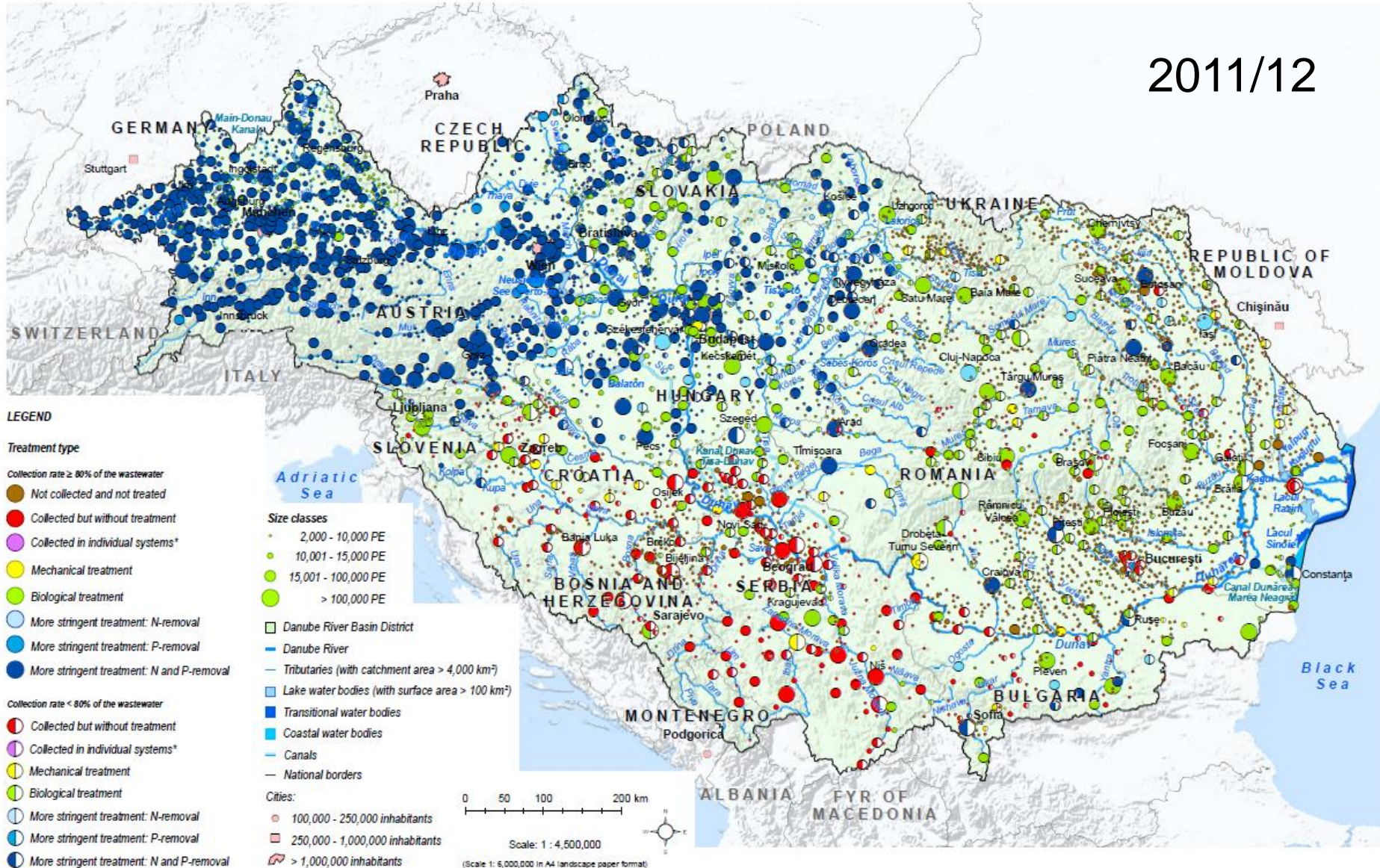
From red to blue: Treating our waste water

2005/06



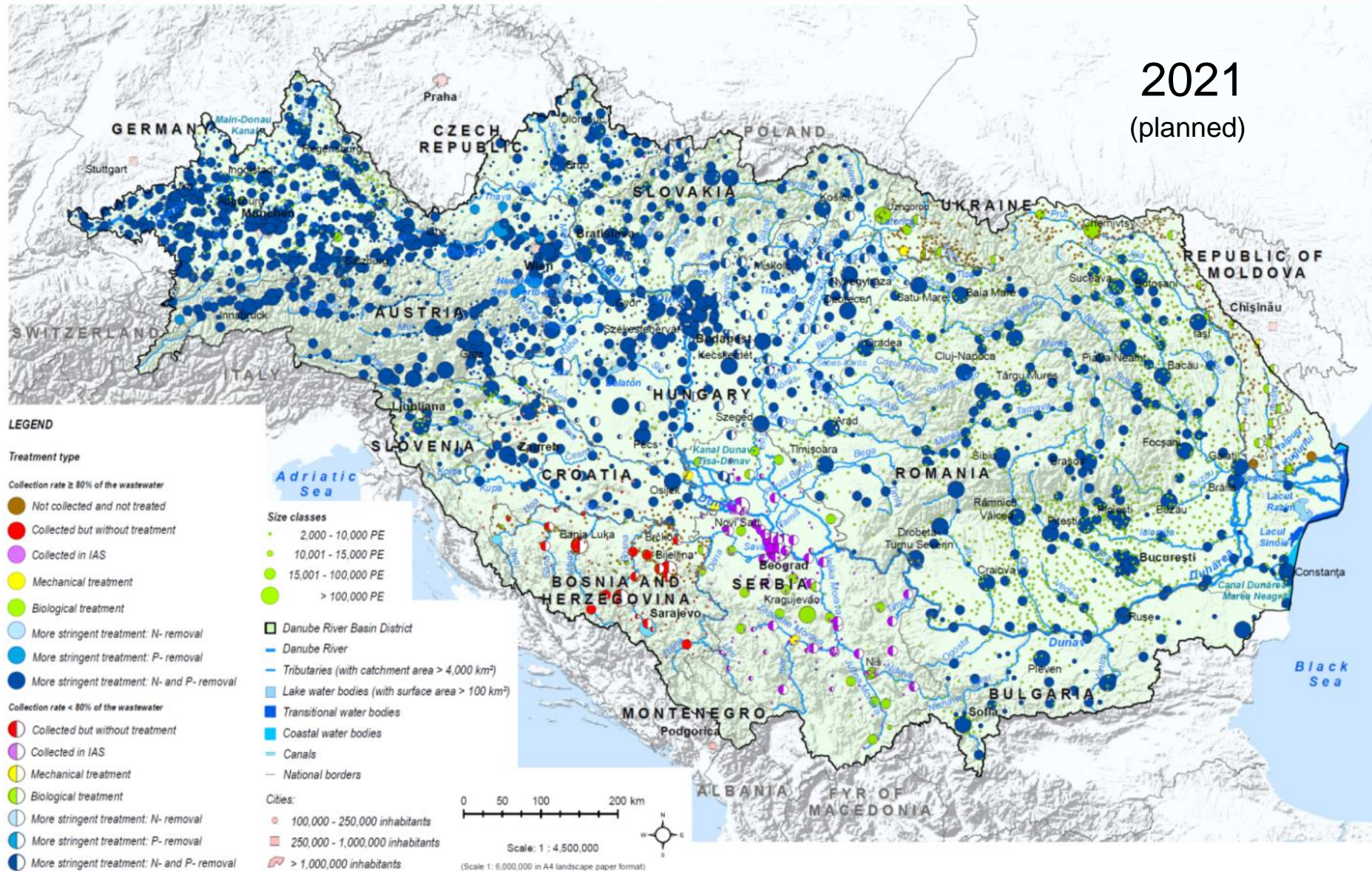
From red to blue: Treating our waste water

2011/12



From red to blue: Treating our waste water

2021
(planned)



Example 2 – „healthier“: Water and ecosystems

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Example 3 - „safer“: No more damages from floods

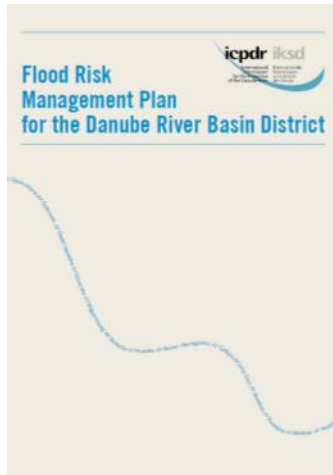
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Basin-wide objectives of Flood Risk Management Plan



- Avoidance of new risks
- Reduction of existing risks
- Strengthening resilience
- Raising awareness
- Solidarity principle



Flood hazard & flooding scenarios

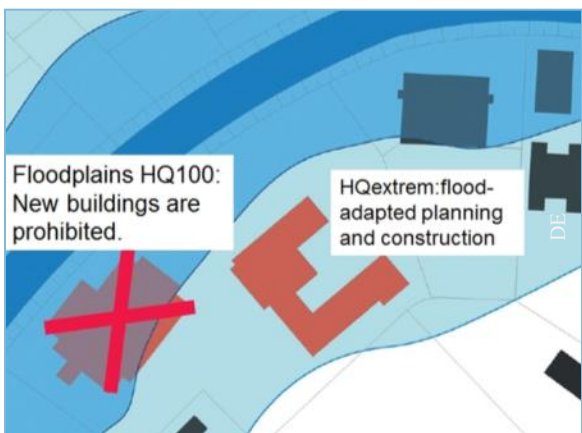
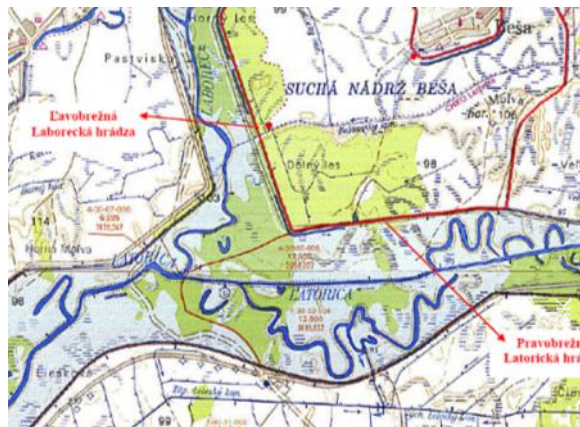


Managing flood risks

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Monitoring Waters

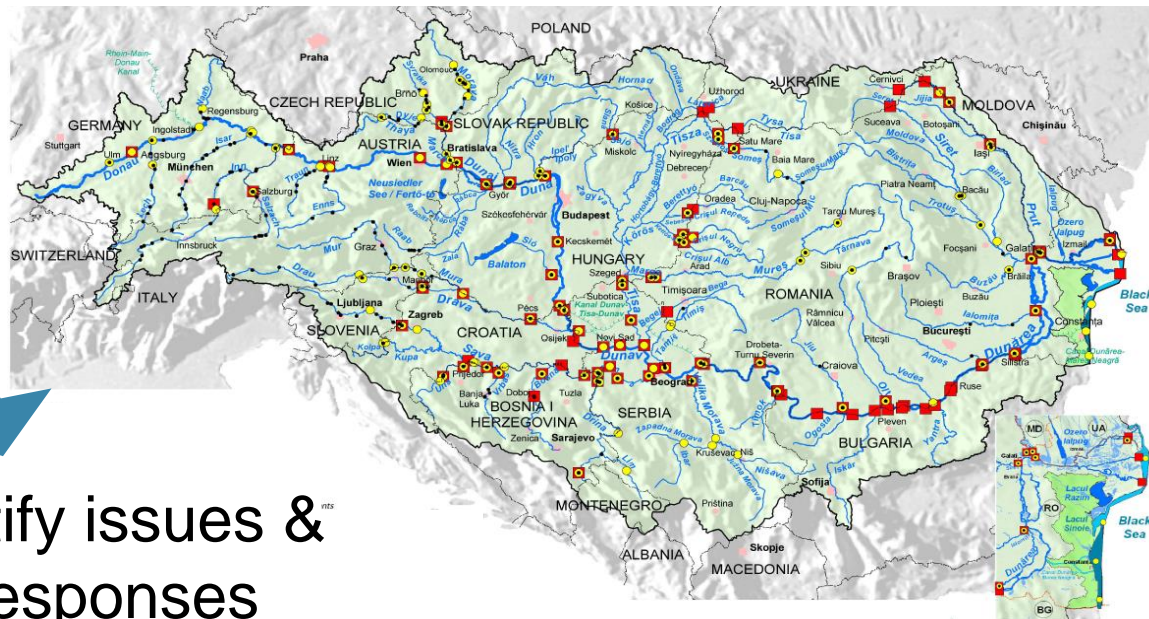
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Künzelmann



collect data

Identify issues &
responses

implement
measures



Künzelmann, UFZ

Both investigative
& surveillance
monitoring

Water connects

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Inland Navigation



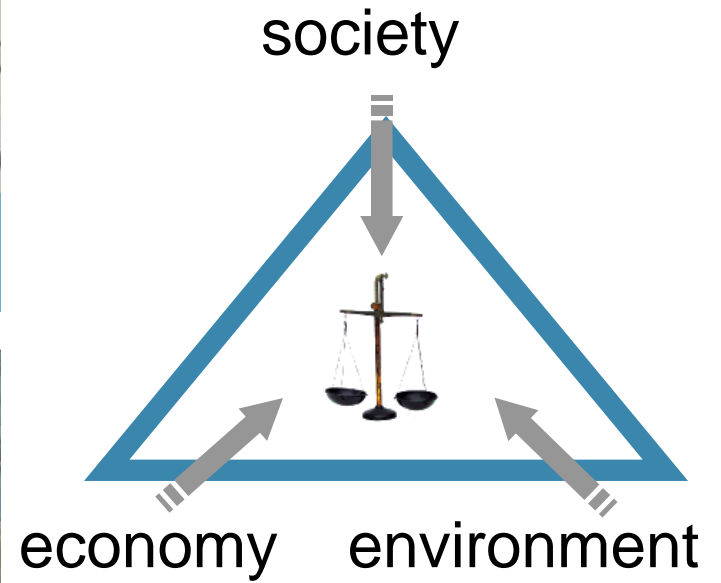
Climate Adaptation



Agriculture



Hydropower

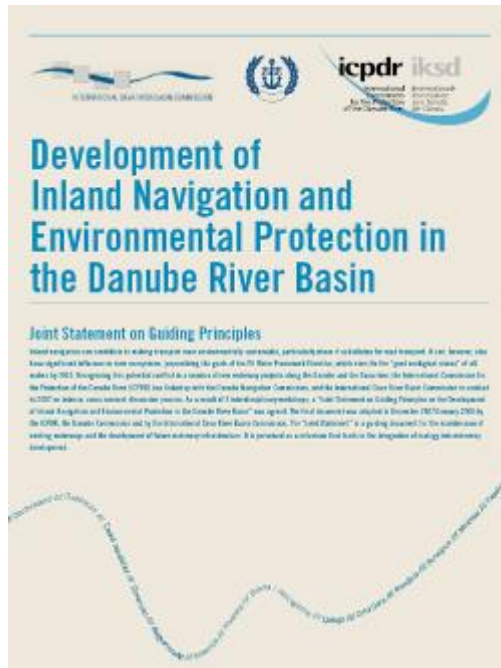


Inland Navigation & Environment

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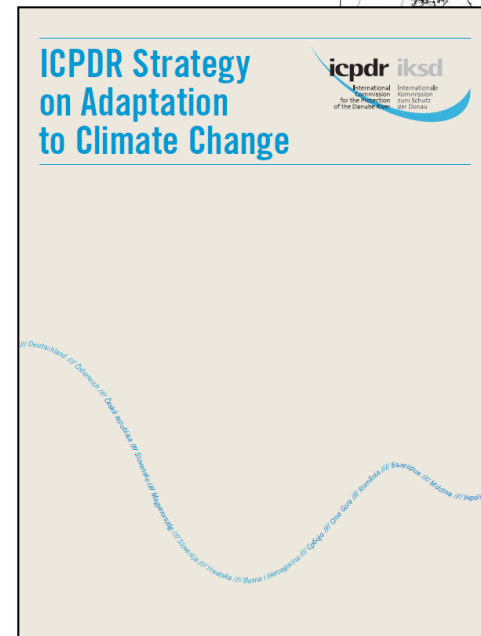
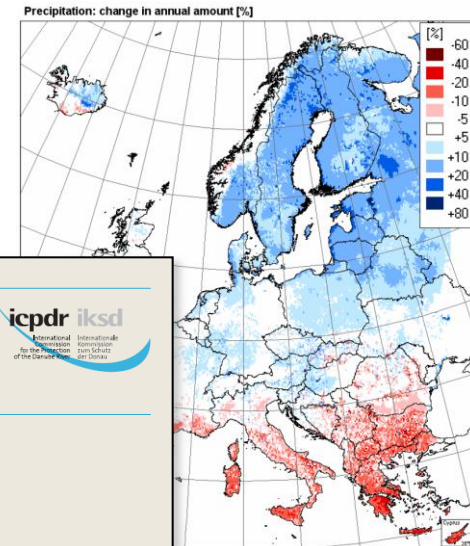
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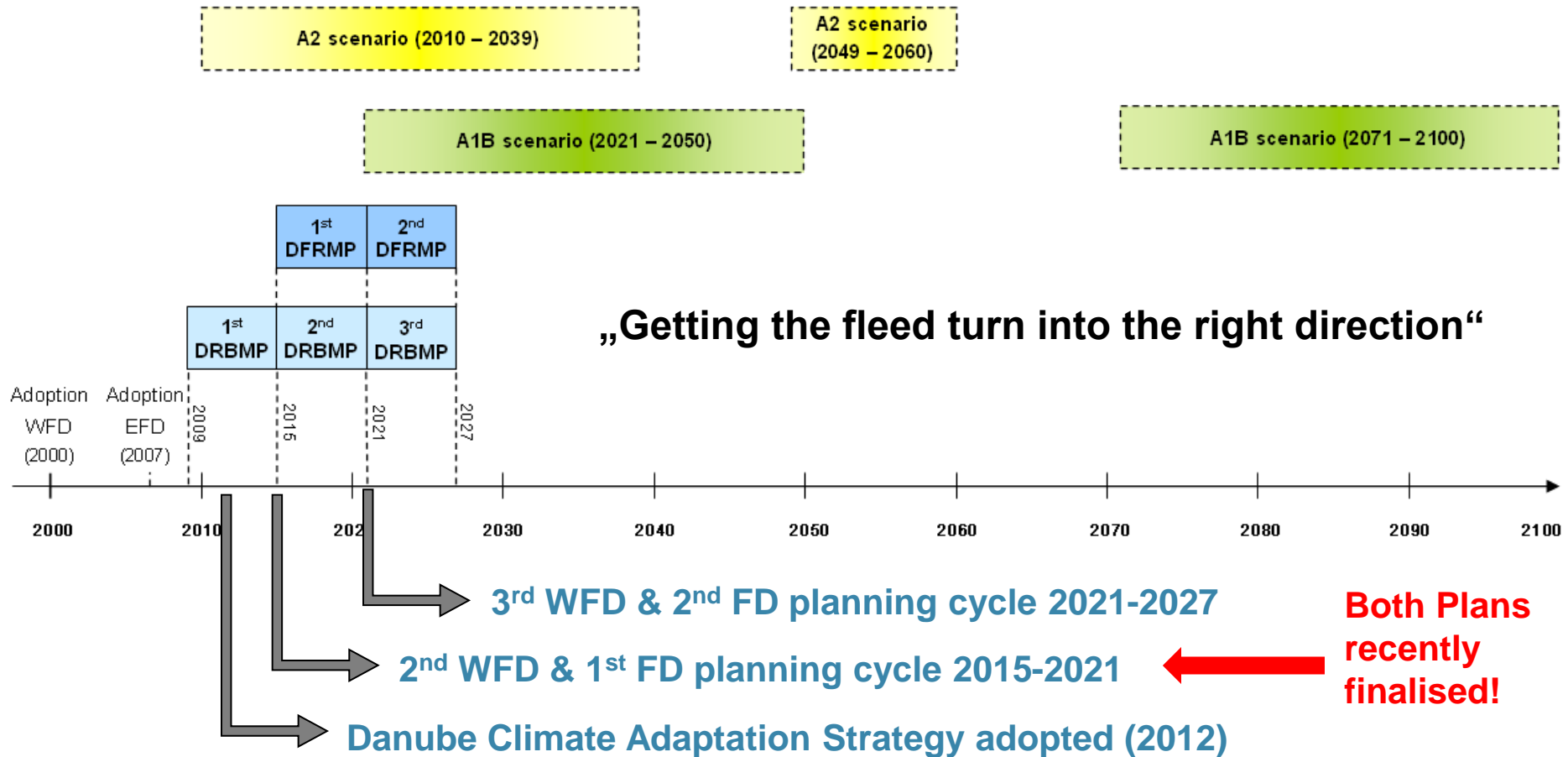
Strategy on Adaptation to Climate Change



- ▶ First step: Scientific climate change study for DRB
- ▶ Strategy based on scientific evidence
- ▶ Step-wise approach for adaptation
- ▶ Making use of
 - River Basin Management Plan
 - Flood Risk Management Plan
- ▶ Update of Strategy in 2018



Adaptive approach for adaptation – time horizons



Guiding Principles on Sustainable Hydropower

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New cooperation synergy: GCF-UNEP



Green Climate Fund:

- UNFCCC initiative (COP 18) to establish the (largest) financial mechanism to implement projects in developing countries to mitigate and adapt to climate change impacts
- Goal: 100 billion USD/year after 2020
- Currently: 10 mrd. USD available

New cooperation synergy: GCF-UNEP



GCF-Organization:

- GCF-Board: 24 members (12+12)
 - GCF- Secretariat
 - NDA/local Focal Points
 - Accredited entities (national/intl.)
-
- DC's driven: strong ownership
 - Currently: > 40 approved projects
> 3 billion USD disbursed

New cooperation synergy: GCF-UNEP



Priority areas of the Czech ICPDR Presidency 2016:

- **Implementation of the Management Plan 2015-21**
- **Promote inter-regional cooperation**
- **Facilitate financial support (EU, EIB, World Bank)**

- **Double Czech role: GCF and ICPDR-→ building synergy for non-EU member Balkan countries in two project areas:**
 - national projects related to the ICPDR- strategy
 - other national climate-related projects

New cooperation synergy: GCF-UNEP



Status of the cooperation with Serbia:

GCF/UNEP agreement with Serbia: in place

UNEP-Czech MoEnv.: in preparation

Coordination entity: (CzechGlobe Brno)

Next steps:

- Public announcement for interested parties

New cooperation synergy: GCF-UNEP



Established links:

- GCF-Secretariat – support for Balkan countries**
- UNEP as accredited entities for Balkan countries**

**Country level : Serbia (pilot countries)- advanced
Montenegro, Macedonia, Bosna-Herzegovina
to follow**

New cooperation synergy: GCF-UNEP



Areas of potential Czech cooperation:

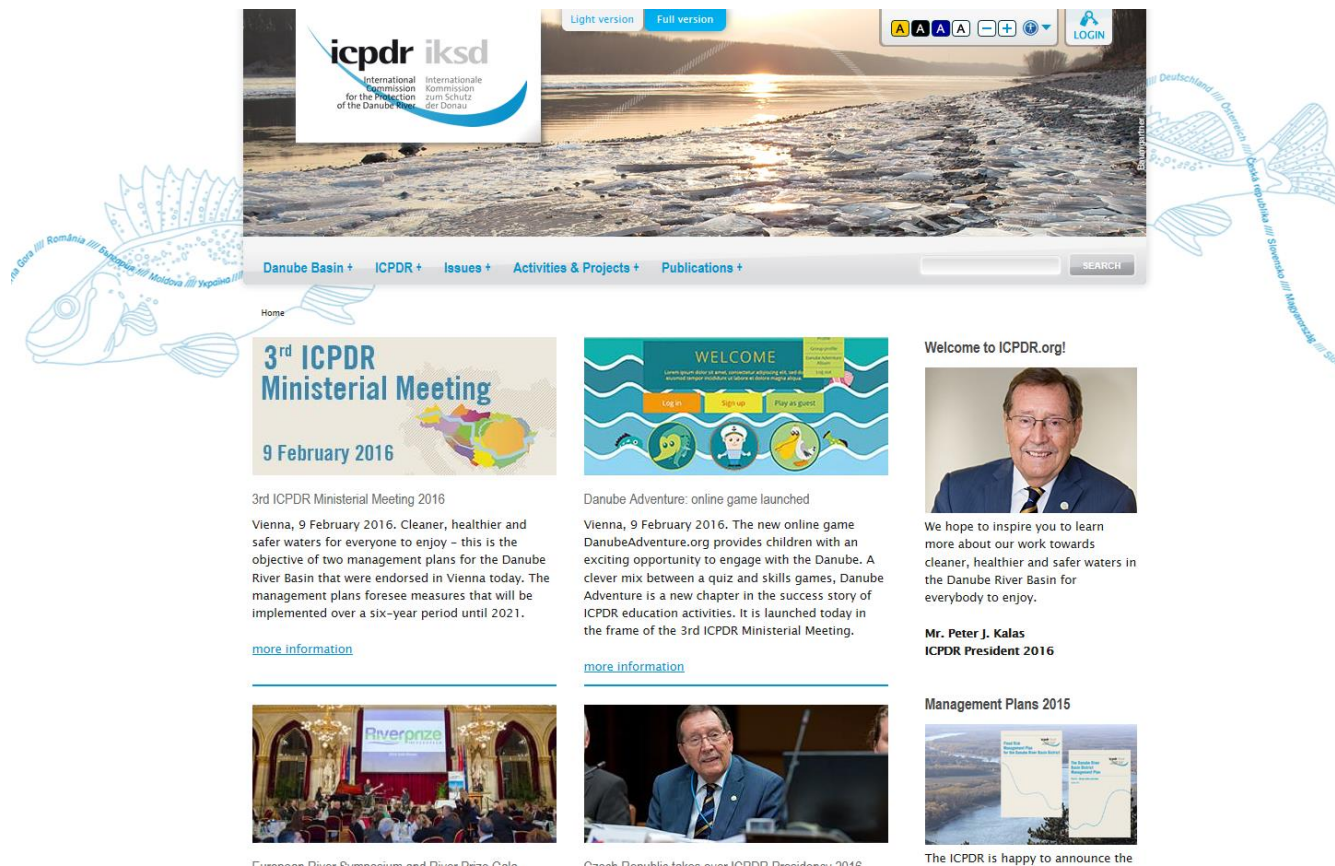
- **Experts for capacity building-
to reinforce the national NDA/focal point:
program/project identification**
- **Program/project implementation:**
 - **DRB related projects (water issues)**
 - **Other areas: energy (electricity, heating)**

Further information

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The screenshot shows the ICPDR website homepage. At the top, there is a navigation bar with 'Light version' and 'Full version' buttons, followed by accessibility icons (A, A+, A-) and a 'LOGIN' button. The main header features the ICPDR logo and a large image of a river with ice. Below the header is a navigation menu with links for 'Danube Basin +', 'ICPDR +', 'Issues +', 'Activities & Projects +', and 'Publications +'. A search bar is also present. The main content area is divided into three columns. The left column features a banner for the '3rd ICPDR Ministerial Meeting' on 9 February 2016, with a map of the Danube Basin. Below the banner is a text block describing the meeting and a 'more information' link. The middle column features a 'WELCOME' banner with 'Log in', 'Sign up', and 'Play As guest' buttons, and a text block about the 'Danube Adventure' online game. Below is another 'more information' link. The right column features a 'Welcome to ICPDR.org!' banner with a photo of Mr. Peter J. Kalas, ICPDR President 2016, and a text block about the organization's goals. Below is a 'Management Plans 2015' banner with a photo of a river and a text block.

Home

3rd ICPDR Ministerial Meeting

9 February 2016

3rd ICPDR Ministerial Meeting 2016

Vienna, 9 February 2016. Cleaner, healthier and safer waters for everyone to enjoy – this is the objective of two management plans for the Danube River Basin that were endorsed in Vienna today. The management plans foresee measures that will be implemented over a six-year period until 2021.

[more information](#)

WELCOME

Log in Sign up Play As guest

Danube Adventure: online game launched

Vienna, 9 February 2016. The new online game DanubeAdventure.org provides children with an exciting opportunity to engage with the Danube. A clever mix between a quiz and skills games, Danube Adventure is a new chapter in the success story of ICPDR education activities. It is launched today in the frame of the 3rd ICPDR Ministerial Meeting.

[more information](#)

Welcome to ICPDR.org!

Mr. Peter J. Kalas
ICPDR President 2016

We hope to inspire you to learn more about our work towards cleaner, healthier and safer waters in the Danube River Basin for everybody to enjoy.

Management Plans 2015

The ICPDR is happy to announce the

www.icpdr.org