
International Cooperation in Water Management



Experiences from the Danube River Basin



ICPDR
Wolfgang Stalzer
Goreme, 17 April 2013



- ~9% Europe
- 81 M inhabitants
- 19 Countries

Most international River Basin in the World



From Black Forest to Black Sea



Human activities damaged the Danube



Political Background 1945 – 1990

Consequences for the International Danube River Basin Management

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International
Commission
for the Protection
of the Danube River

Internationale
Kommission
zum Schutz
der Donau

1990
Fall of the
Iron Curtain



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

Contracting Parties



Germany



Austria



Czech Republic



Slovakia



Hungary



Slovenia



Croatia



Bosnia & Herzegovina



Serbia



Montenegro



Romania



Bulgaria



Rep. of Moldova



Ukraine



European Union

Stakeholder Involvement: 22 Observers





ICPDR Delegations of Contracting Parties

ICPDR Secretariat

IMGIS EG

Information Management & Geographical Information System

PP EG

Public Participation

Flood EG

Flood Protection

MA EG

Monitoring & Assessment

APC EG

Accident Prevention/Control

PM EG

Pressures & Measures

RBM EG

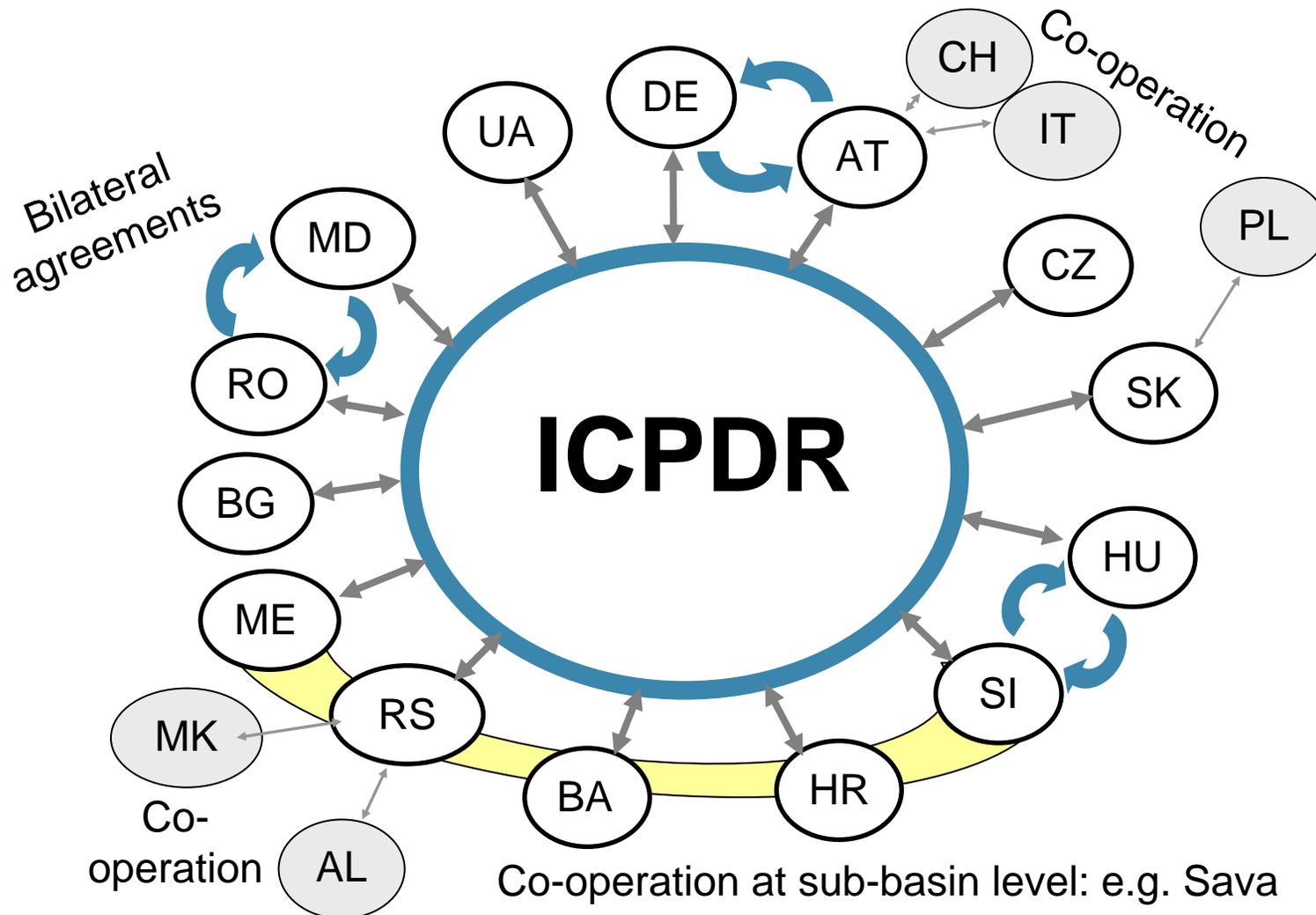
River Basin Management

ad hoc S EG

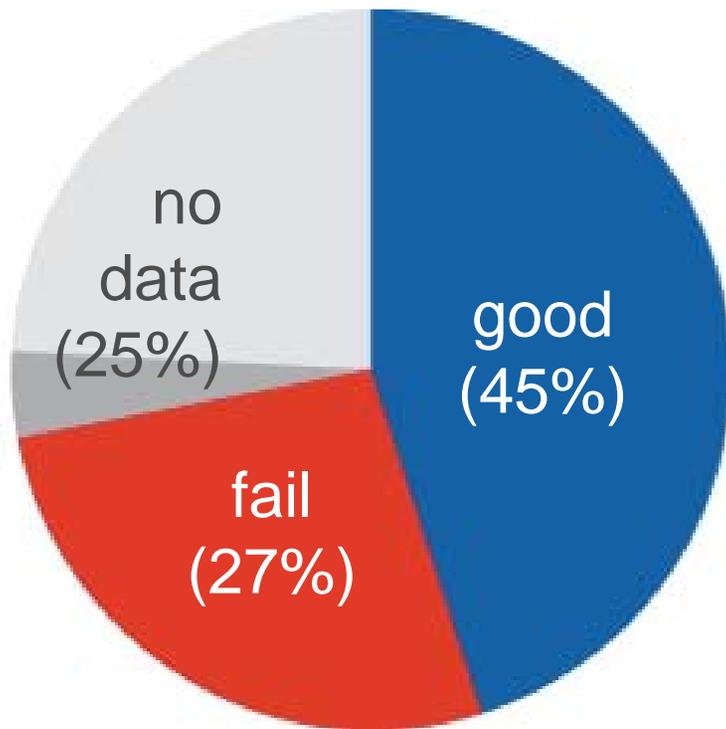
ad hoc Strategic

Task Groups

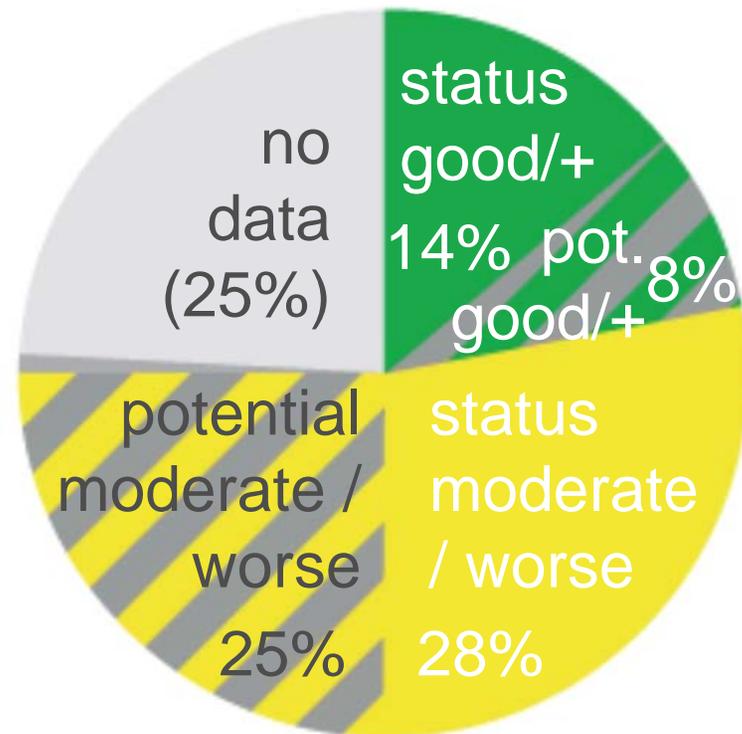
Coordination Mechanisms



Condition of Danube & its Tributaries



Chemical



Ecological

Significant Water Management Issues



Organic
Pollution



Nutrient
Pollution

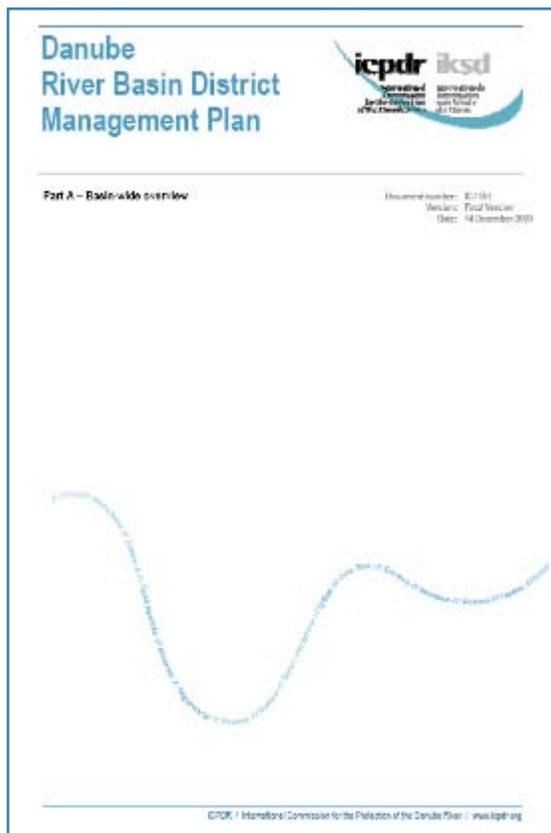


Hazardous
Substances Pollution



Hydromorphological
Alterations

Danube River Basin Management Plan



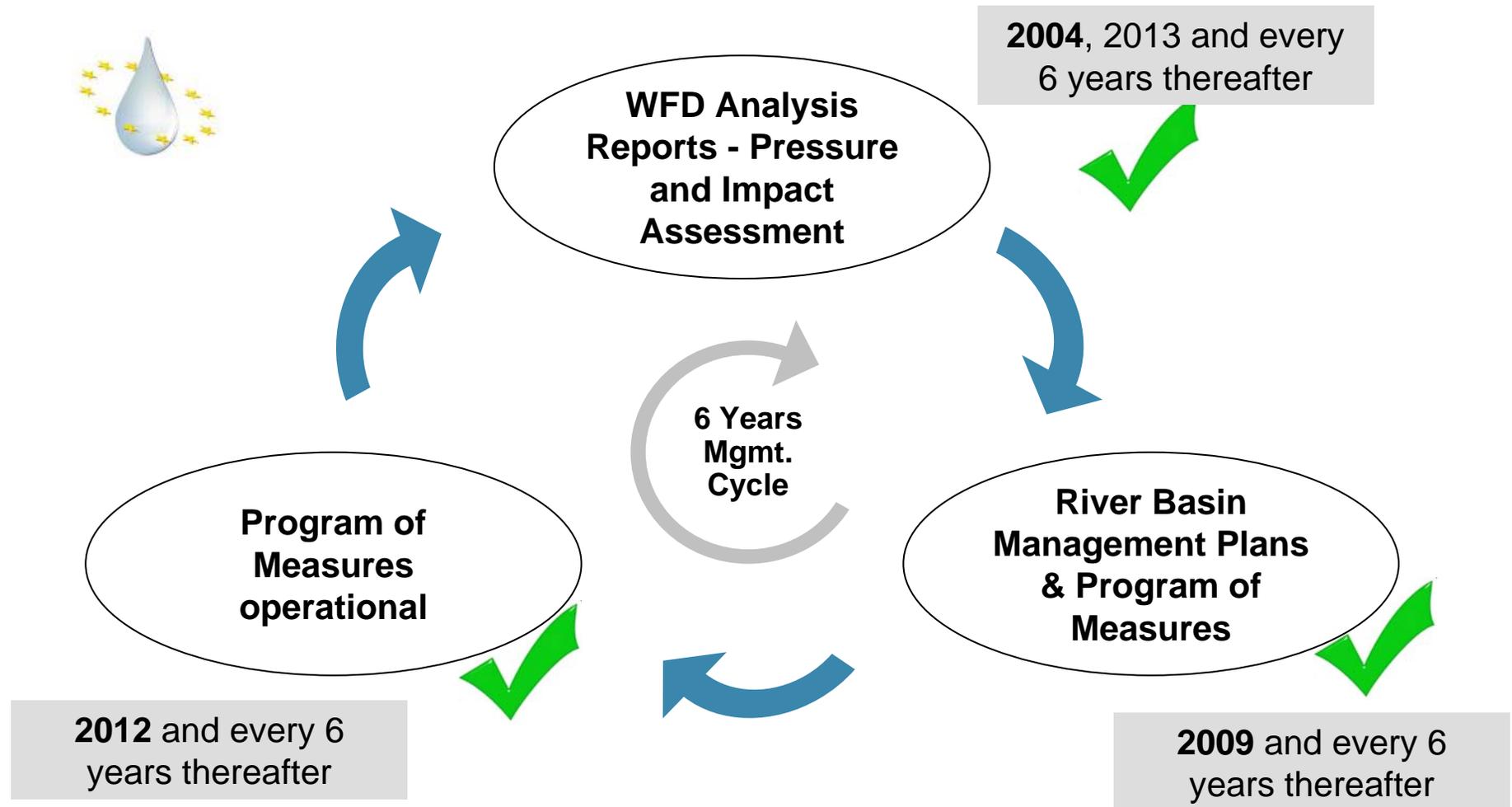
Reflects/Includes

- Water status of the DRB waters
- Joint Programme of Measures

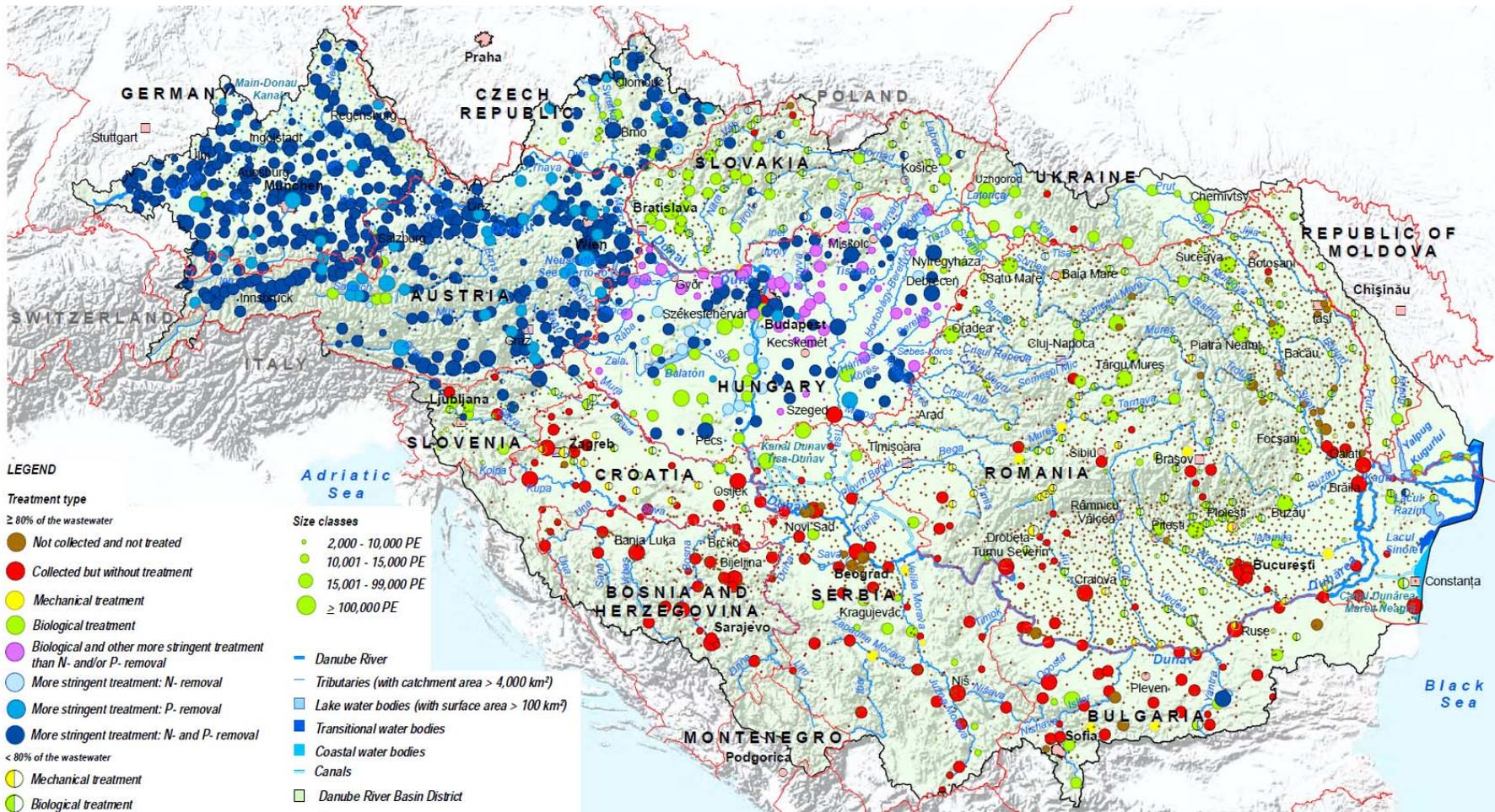
Enables

- Conclusions on funding
- Evaluation of measure implementation

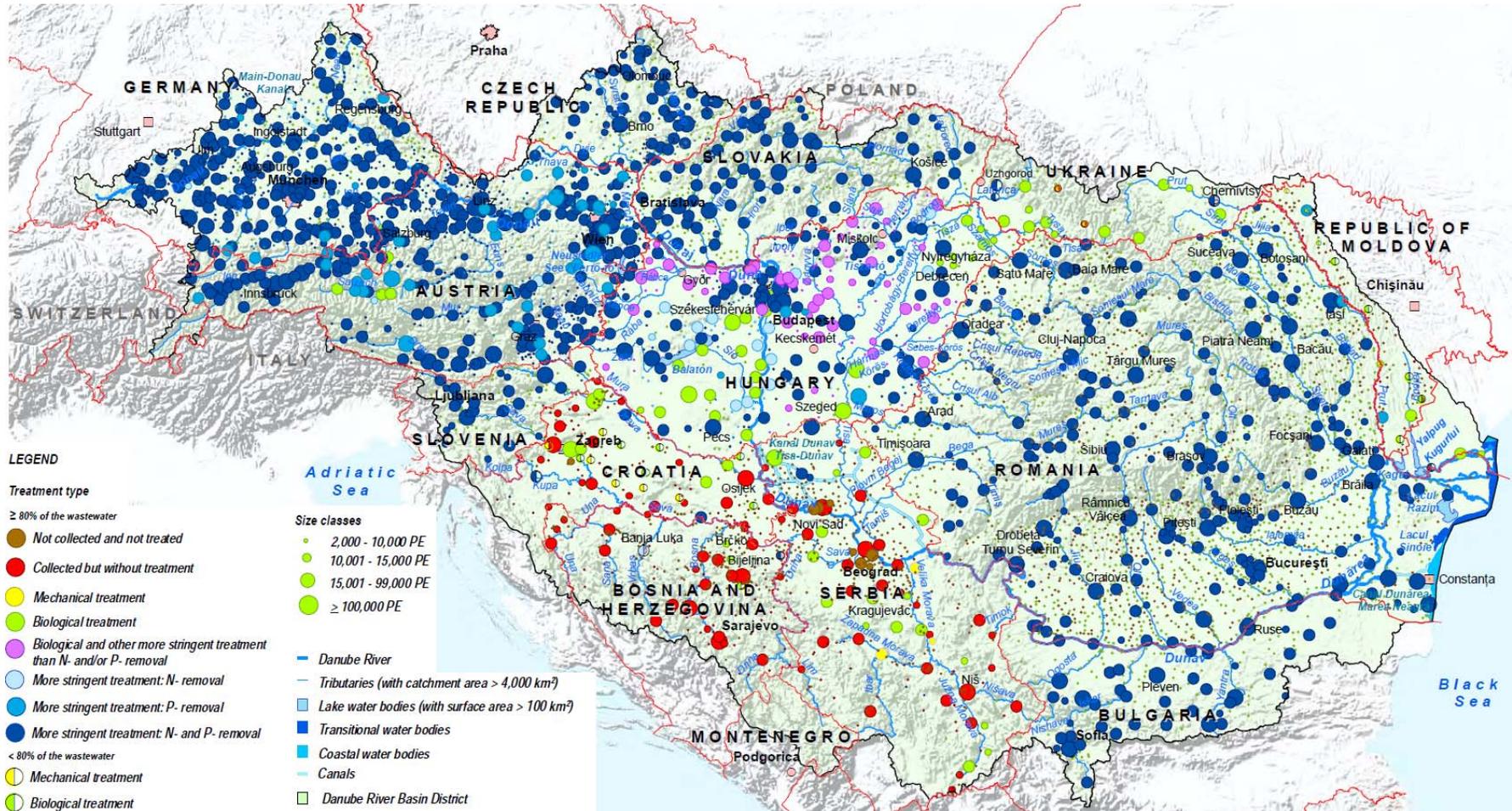
WFD Implementation Cycle



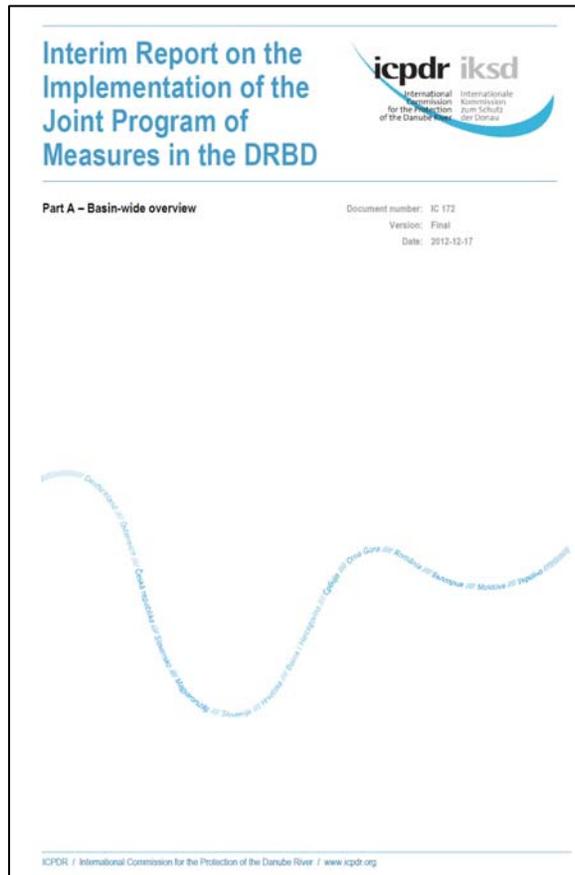
Urban Wastewater Treatment Plants - 2005



Urban Wastewater Treatment Plants - 2015



Interim Report on JPM Implementation

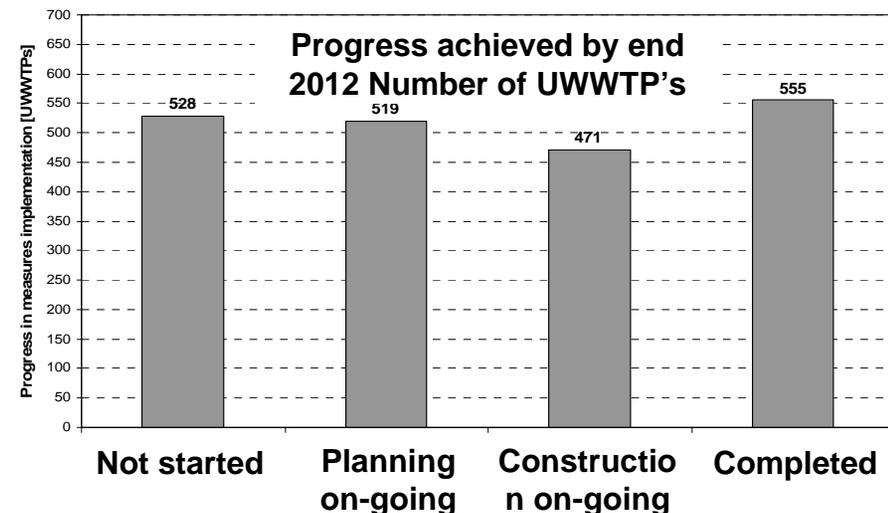


- Provides **information on progress by end 2012** in implementing the JPM:
 - Measures already implemented
 - Currently under implementation
 - To be implemented by 2015
- Based on JPM structure and content of **1st DRBM Plan from 2009**
- **“Lighthouse projects”** included as practical examples for measures

Examples: Organic pollution



- Implementation of **UWWT Directive** and development of **wastewater infrastructure - key measure** to reduce organic pollution
- ~ **32 Mio. PE** planned to be reduced by 2015
- ~ **7 Mio. PE** reduced by 2012 (approx. 22%)



Examples:

Nutrient pollution



- Strong **inter-linkages between sources of nutrient and organic emissions** (i.e. urban and industrial); in addition:
- Implementation of the **EU Nitrates Directive**
 - Establishment of **Nitrates Action Programmes** - wide range of measures (limits for fertiliser application, prohibition periods, etc.)
 - Different approaches in place: Designation of **Nitrates Vulnerable Zones** (CZ, HU, RO, SK, BG) or application of **Whole Territory Approach** (AT, DE, SI)
 - Similar efforts taken by non EU Member States
- Introduction of **phosphate-free detergents**

Examples: Hazardous substances pollution



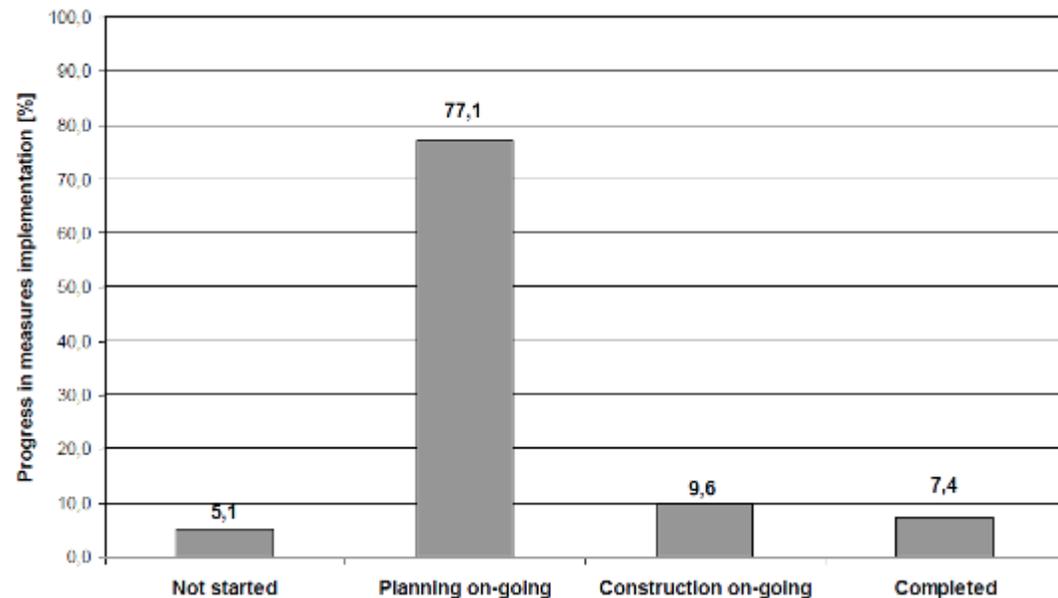
- **Insufficient information** in 2009 DRBM Plan
- Efforts taken to **improve knowledge base**:
 - Contribution for the development of the “Technical guidance on the preparation of an inventory of emissions, discharges and losses of priority and priority hazardous substances” (EU Drafting Group on Priority Substances)
 - **Danube case study** under development
- **Inter-linkages** with relevant EU Directives (i.e. UWWTD and the IPPC Directive)
- Measures to prevent and control **accidental pollution**

Examples: Hydro-morphological alterations

River & Habitat Continuity



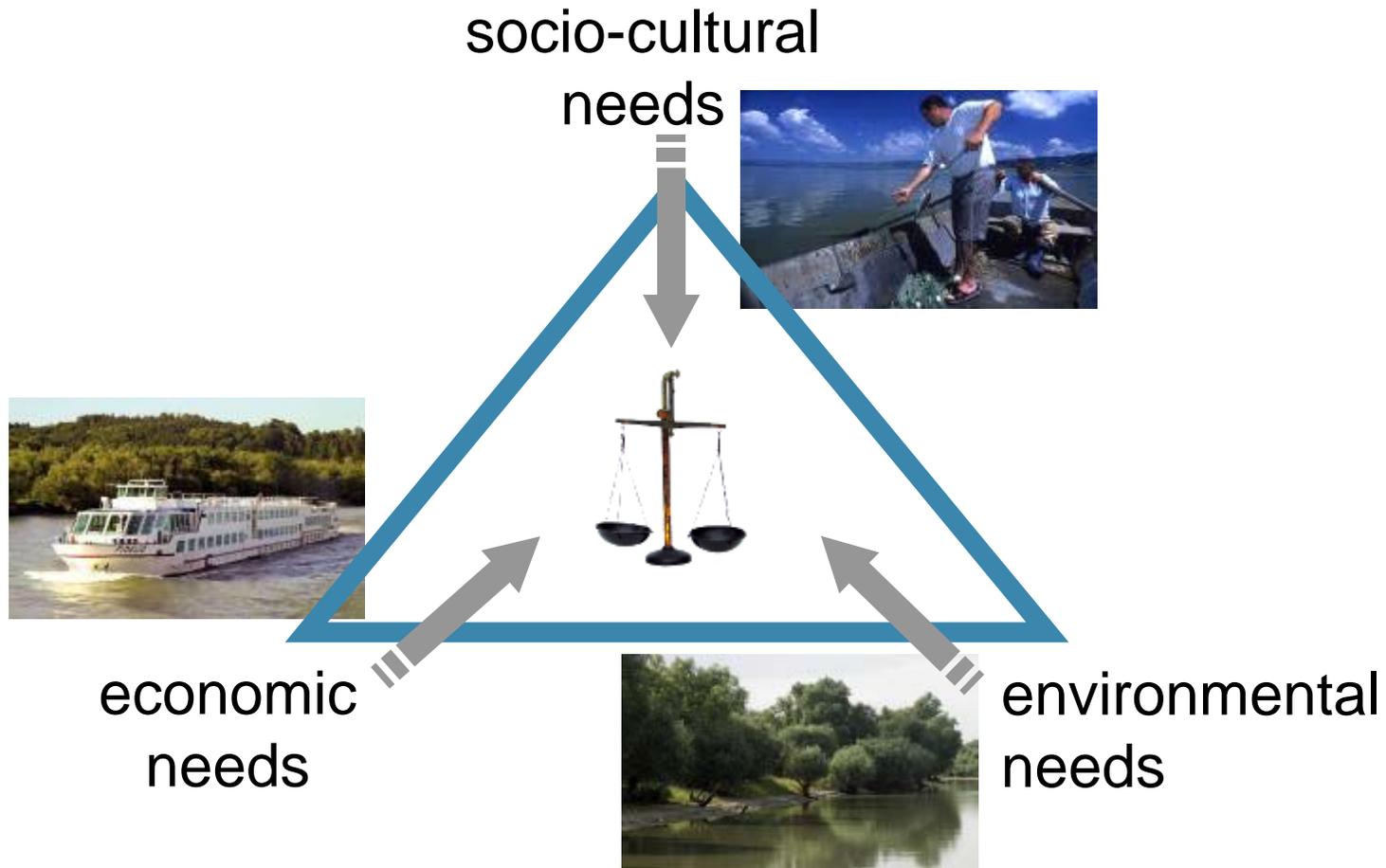
Measures on river and habitat continuity interruptions					
Number of measures to be implemented by 2015		Implementation status by end 2012 (reference to measures as agreed on national level)			
Indicated in the 1 st DRBM Plan	Updated information as agreed on national level	Not started	Planning on-going	Construction on-going	Completed
108	136	5.1%	77.1%	9.6%	7.4%



Joint Danube Survey



Balancing of interests



Areas of inter-sectoral work



Navigation



Climate Adaptation



Agriculture



Hydropower

Thank you!

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Zastitu Dunava

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Language: EN

Home

Danube Basin + ICPDR+ Issues+ Activities & Projects+ Publications+

Public Participation Schedule WFD & FFD

Vienna, 14 Dec 2012. According to Art. 14 of the Water Framework Directive, public participation in drafting River Basin Management Plans needs to be ensured. The ICPDR now provides a blue print for Public Participation activities for the development of the 2nd Danube River Basin Management Plan (2nd DRBM) until 2015 and the Danube River Basin Flood Risk Management Plan (1st FRMP).

www.icpdr.org

2013 International Year of Water Cooperation launched

Paris, 11 Feb 2013. In December 2010, the United Nations General Assembly declared 2013 as the United Nations International Year of Water Cooperation. A UNESCO-organised conference now marked the official launch of this year of celebrations.

www.un.org

Welcome to the ICPDR website!

We hope that this website inspires you to learn more about environmental issues affecting the Danube River Basin and how the ICPDR works towards ensuring a sustainable development of the world's most international river basin.

Ms. Emma Saliković-Deždarević
ICPDR President 2013

Danube Watch Magazine

Further information: www.icpdr.org