

# Third Workshop on Water and Adaptation to Climate Change in Transboundary Basins

25-26 April 2012, Geneva

**icpdr iksd**

International  
Commission  
for the Protection  
of the Danube River

Internationale  
Kommission  
zum Schutz  
der Donau

## Integrating different levels and sectors in the Danube



Raimund MAIR, ICPDR  
Technical Expert on River Basin Management

[Raimund.MAIR@unvienna.org](mailto:Raimund.MAIR@unvienna.org)

# ICPDR

International Commission for the Protection of the Danube River

**icpdr ikisd**

International Commission for the Protection of the Danube River

Internationale Kommission zum Schutz der Donau



Germany



Austria



Czech Republic



Slovakia



Hungary



Slovenia



Croatia



Bosnia & Herzegovina



Serbia



Montenegro



Romania



Bulgaria



Rep. of Moldova



Ukraine



European Union

## EU Water Framework Directive (WFD) & EU Floods Directive (EFD)



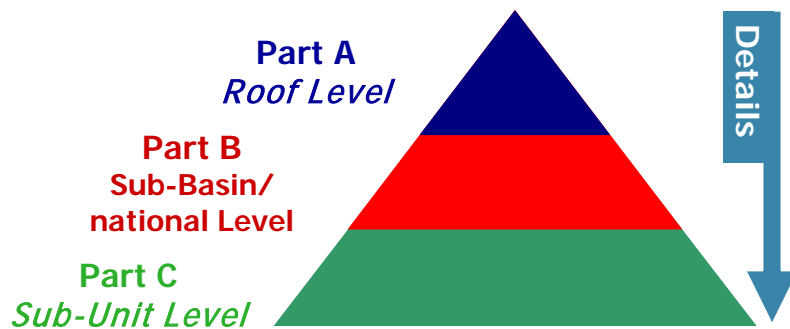
# Coordination mechanisms (WFD)



**icpdr iksd**

International  
Commission  
for the Protection  
of the Danube River

Internationale  
Kommission  
zum Schutz  
der Donau



**WFD River Basin  
Management Planning is  
based on three levels of  
coordination**

- Part A** International, basin-wide level - the roof level (Danube)
- Part B** National level and/or the internationally coordinated sub-basin level for selected sub-basins (e.g. Sava and Tisza)
- Part C** Sub-unit level, defined as management units in the national territory.

The information increases in detail from **Part A** to **Parts B** and **C**.

# EU Water Framework Directive (WFD)

Diversity of uses, aspirations and impacts



**icpdr** **iksd**

International  
Commission  
for the Protection  
of the Danube River

Internationale  
Kommission  
zum Schutz  
der Donau



# Stakeholder Involvement

## 22 ICPDR Observers

**icpdr ikisd**

International  
Commission  
for the Protection  
of the Danube River

Internationale  
Kommission  
zum Schutz  
der Donau

viadonau



European Barge Union **ebu**



**VGB**



SAVA RIVER BASIN COMMISSION



**DANUBEPARKS**  
network of protected areas

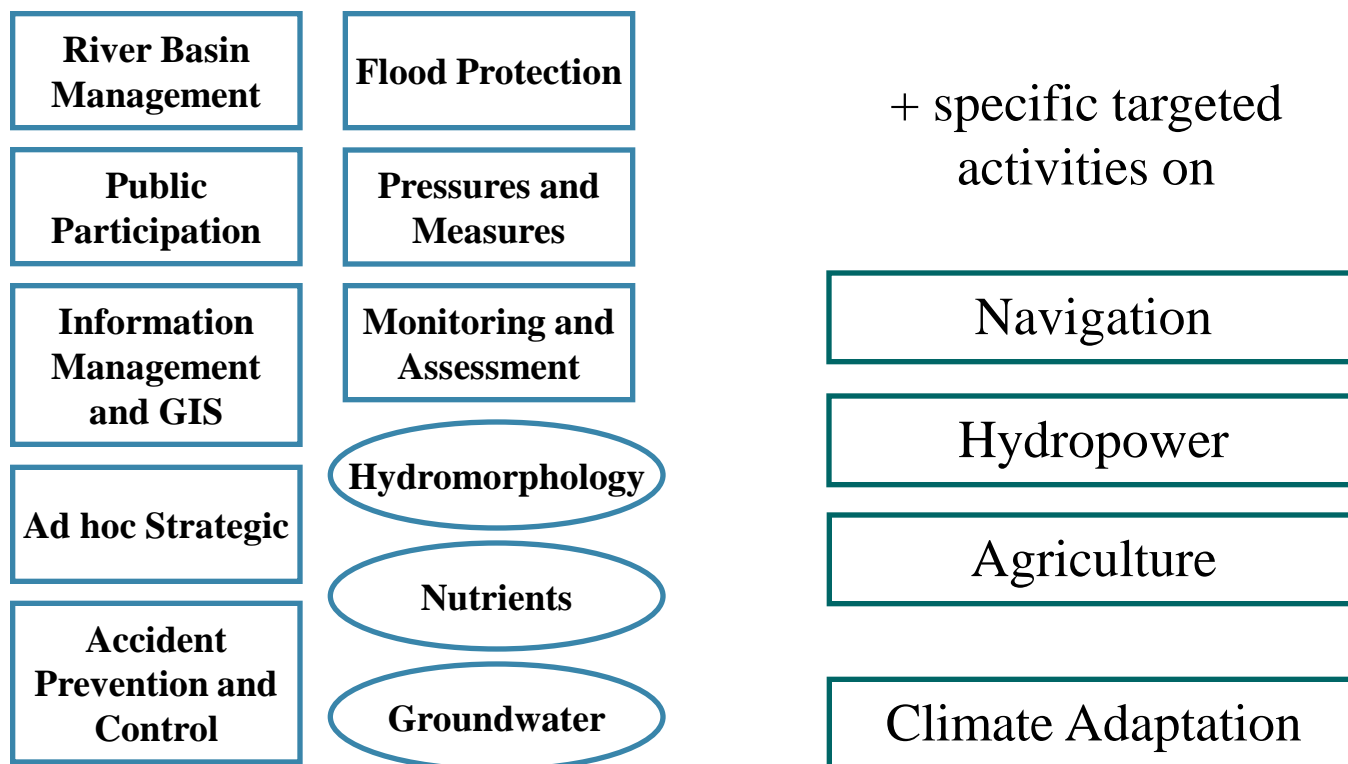


**Danube Tourist  
Commission**

**dcc** | danube  
competence  
center

# ICPDR Expert Groups, Task Groups, Activities

## ICPDR Delegations of Contracting Parties



Participation in international groups of country representatives and stakeholders!

# Integrated Water Resources Management (IWRM)

“**water** is a transboundary issue”

boundaries between...

→ **SECTORS**



→ **COUNTRIES**



---

# Climate Change

## Various impact fields

---

**icpdr** **iksd**

International  
Commission  
for the Protection  
of the Danube River

Internationale  
Kommission  
zum Schutz  
der Donau



- Water availability / runoff / groundwater
- Limnology
- Snow / ice / permafrost
- Coastal zones
- Soil / sedimentation / erosion
- Extreme events (water scarcity & droughts, floods)
- Water quality / contamination
- Water temperature
- Biodiversity / ecosystems / ecology
- Agriculture
- Irrigation
- Forestry
- Hydropower
- Navigation
- Water supply / demand (industry, households)
- Health



# Climate Change

**“adaptation to climate change is a transboundary issue”**

(also due to impact on water)

boundaries between...

→ **SECTORS**

→ **COUNTRIES**



---

# Integration: Pragmatic approach (?)

(currently under discussion)

- 
- Water and Climate Change are transboundary issues
  - Need for international and inter-sectoral cooperation on both issues was recognised
  - ▶ Making best use of **existing instruments** (Management Plans stemming from EU Water Framework Directive and EU Floods Directive)
  - ▶ Making best use of **existing IWRM structures** (Expert Groups, Task Groups and specific stakeholder activities)
  - ▶ **Integrating Climate Adaptation** in work of existing structures, based on existing instruments

# Integration: Pragmatic approach (?)

(currently under discussion)

icpdr ikisd

International  
Commission  
for the Protection  
of the Danube River

Internationale  
Kommission  
zum Schutz  
der Donau

Integration between **different levels** (national-international):

- ▶ Issue already exists for IWRM (WFD & EFD)
- ▶ Exchange and coordination (national-international) facilitated via participation of national experts in international groups of the ICPDR



Integration between **different sectors**:

- ▶ Issue already exists for IWRM
- ▶ Exchange and involvement of different stakeholders and interest groups in expert bodies and activities of the ICPDR



---

## Integration

# Drawing the line...

(currently under discussion)



- Mandate ICPDR: **WFD**, **EFD**, Danube Convention
- Expectation is not that ICPDR can and will undertake climate adaptation for all the different sectors, but
  - ▶ Significant coverage via IWRM core-activities (WFD, EFD)
  - ▶ Facilitation of exchange and input on climate adaptation also outside core-activities where necessary, appropriate and useful
  - ▶ Potential focus to be specified (e.g. targeted participation in climate adaptation activities outside ICPDR structures?)

---

## Integration

# Drawing the line...

(currently under discussion)



- Are all relevant climate change impact fields on water for the basin-wide level covered by existing ICPDR structures and activities?
  - ▶ “Significant Water Management Issues” (basin-wide)
  - ▶ Depends on expected impacts
  - ▶ Enlarge “portfolio” of existing groups (e.g. with water scarcity)?
  - ▶ Discussions with stakeholders already took place (workshop) based on best available knowledge (Climate Adaptation Study)
  - ▶ Further discussions to take place during the elaboration process of the Danube Climate Adaptation Strategy (2012)

# Thank you very much!

**icpdr iksd**  
International  
Commission  
for the Protection  
of the Danube River  
Internationale  
Kommission  
zum Schutz  
der Donau

Danube Climate Adaptation Study available (February 2012):  
[http://www.icpdr.org/icpdr-pages/climate\\_adaptation\\_study.htm](http://www.icpdr.org/icpdr-pages/climate_adaptation_study.htm)

For more information please consult the ICPDR website  
<http://www.icpdr.org>

ICPDR Secretariat / Vienna International Centre, D0412 / P.O. Box 500 / 1400 Vienna / Austria  
Phone +43 1 26060-5738 / Fax +43 1 26060-5895 / [icpdr@unvienna.org](mailto:icpdr@unvienna.org) / [www.icpdr.org](http://www.icpdr.org)

