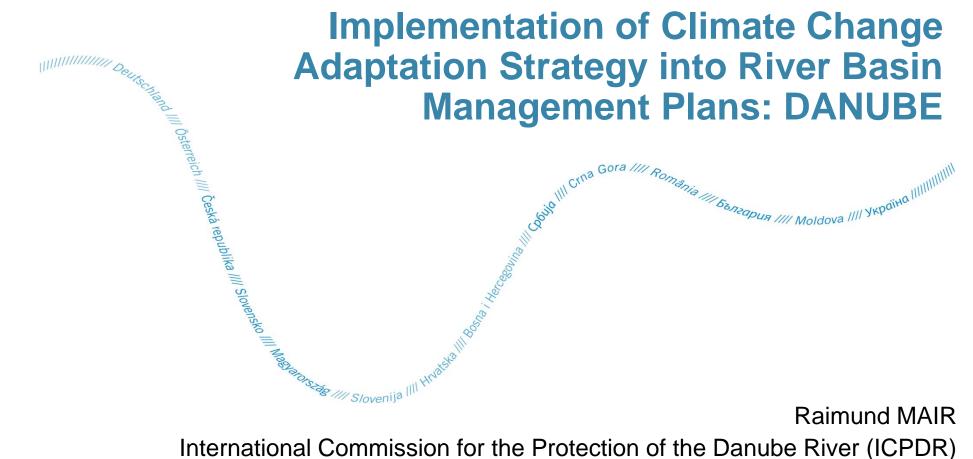
#### 2<sup>nd</sup> Meeting Global Network of Basins **Working on Climate Change Adaptation**

13-14 February 2014, Geneva (CH)





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#### **The Danube River Basin**





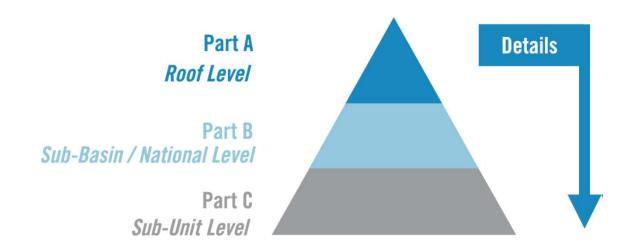
### The Danube: Framework conditions



- Legal framework for cooperation in place (Danube River Protection Convention, signed 1994) - ICPDR established
- 14 countries and EU are Contracting Parties to the Convention
- Key tools for transboundary water management: EU Water Framework
   Directive (2000/60/EC) and EU Floods Directive (2007/60/EC)
  - Both Directives require **internationally coordinated management plans** for the basin-wide level
  - 1<sup>st</sup> Danube River Basin Management Plan (WFD): Adopted in 2009
  - Joint Programme of Measures currently under implementation
  - Updated 2<sup>nd</sup> Danube River Basin Management Plan (WFD): 2015
  - 1st Danube Flood Risk Management Plan: 2015 in line with WFD cycle

#### Water Framework Directive and Floods Directive Levels of Management





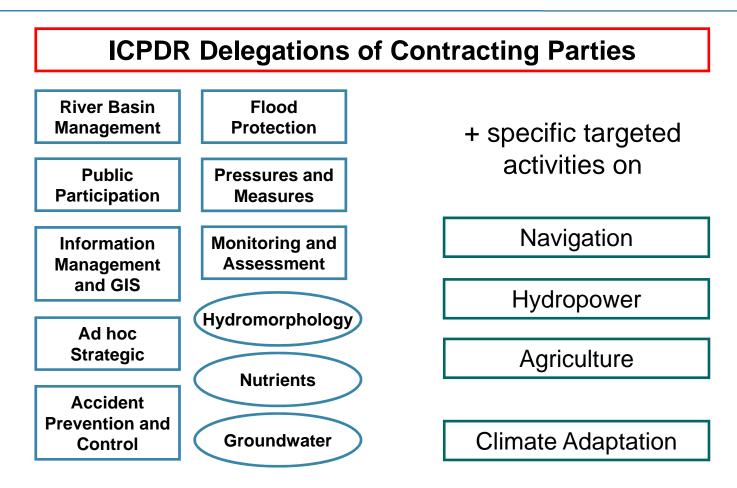
Part A: ICPDR – coordination on Danube basin-wide level

Part B: Sub-basin and/or national level

Part C: Management units within country

## International Expert Groups, Task Groups, Activities

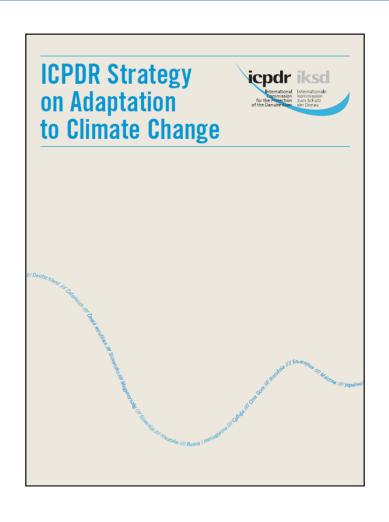




Participation in international expert groups of country representatives and stakeholders

# December 2012: Danube Climate Adaptation Strategy adopted





#### **Contents:**

- 1. Introduction
- 2. Framework conditions
- 3. Climate change scenarios
- 4. Water-related impacts
- 5. Vulnerability
- Overview of possible adaptation measures
- Guiding principles on adaptation and integration into ICPDR activities
- 8. Next steps

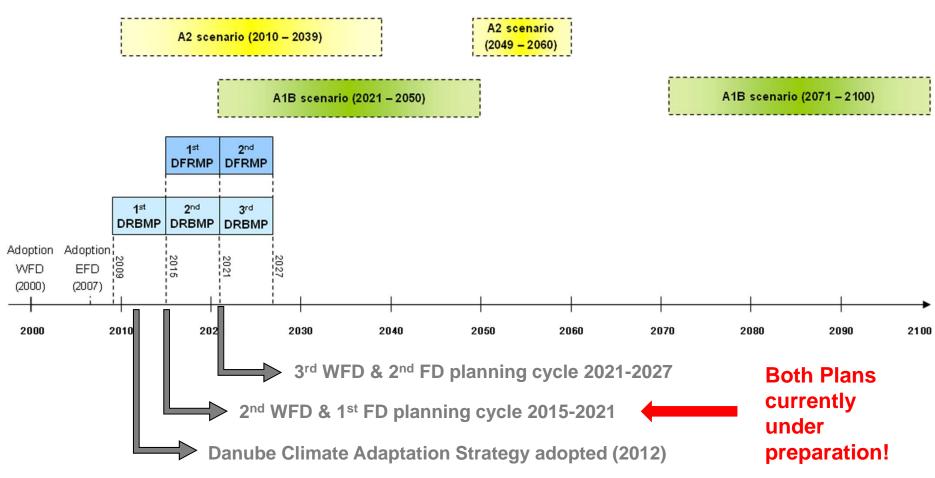
### Danube Climate Adaptation Strategy **Strategic approach**



- Danube Climate Adaptation Strategy does <u>not</u> include a separate programme of measures!
- Making best use of existing structures and water management planning instruments
  - EU Water Framework Directive and EU Floods Directive are main tools for adaptation
  - ICPDR Expert Groups and Task Groups mandated to incorporate
     Climate Adaptation in Danube River Basin and Danube Flood Risk
     Management Plan
  - Cyclic and adaptive approach (6-years cycle)
- Strategy includes Guiding Principles (from CIS Guidance Document No. 24), supporting ICPDR Expert Groups and Task Groups in adaptation

### Adaptive approach for adaptation – time horizons





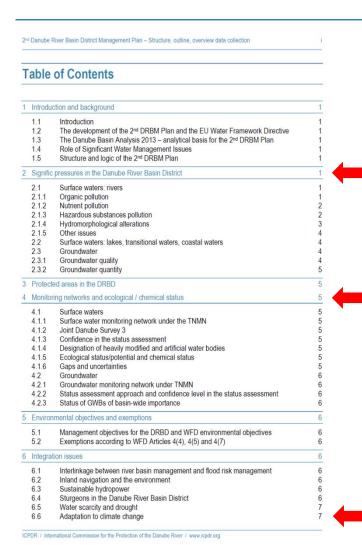
# Integration of Climate Change Adaptation in Management Plans

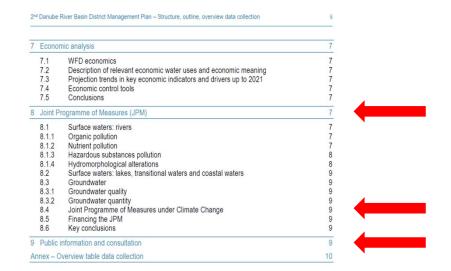


- Integration of climate change adaptation in coordinated 2<sup>nd</sup> Danube River Basin Management Plan (WFD) and 1<sup>st</sup> Danube Flood Risk Management Plan
- Draft Plans to be available by December 2014
- 6 months public consultation (January 2015 June 2015)
- Finalisation and adoption in December 2015
- Planned two-fold approach:
  - General chapter on overarching activities (information on strategic approach, steps taken for integration, etc.)
  - Incorporation of climate adaptation in specific relevant chapters (i.e. pressures assessment, monitoring programmes, adaptation measures as part of Joint Programme of Measures, etc.)

#### 2<sup>nd</sup> DRBM Plan – DRAFT ToC





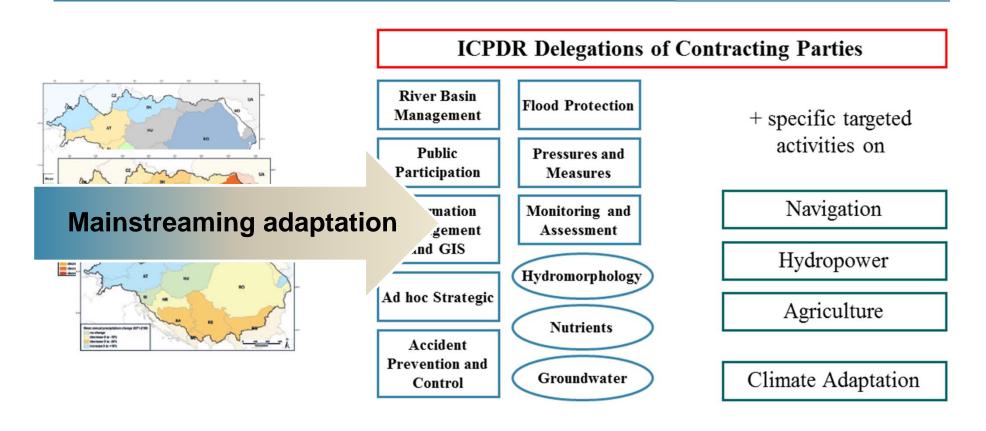


Indication of relevant chapters for incorporation of climate change adaptation in 2<sup>nd</sup> Danube River Basin Managemeth Plan (similar approach foreseen for 1<sup>st</sup> Danube Flood Risk Management Plan which is also under preparation)

10 (14)

### Mainstreaming adaptation in different IPCDR Expert Groups





ICPDR Expert Groups were mandated to fully integrate adaptation in water management planning processes

### Mainstreaming of adaptation: Questionnaires



- Targeted questionnaires for each ICPDR Expert Group
- Staring point: Sceanarios, expected impacts and Guiding Principles for adaptation as included in Danube Climate Adaptation Strategy, addressing:
  - I. Climate modelling, projections, scenarios, potential impacts and uncertainty
  - II. How to build adaptive capacity for management under climate change?
  - III. Water Framework Directive (WFD) and adaptation
  - IV. Flood risk management and adaptation
  - V. Drought management, water scarcity and adaptation
- Matrix on relevance of Guiding
   Principles for different Expert Groups
- Basis for development of targeted questionnaires

Guiding principle No.		RBM EG	FP EG	PP EG	MA EG	PM EG	N TG	GW TG	HYMO TG	ECON TG
I.	all items	x	x							
П.	1-5	x	x							
	6	x	x	x						
	7-10	x	x							
	11	x	x	x						
	12-13	x	x							
III.	1				x	x	x	x	x	
	2				x					
	3				x					
	4	x			x					
	5									x
	6-11					x	x	x	x	
IV.	1-16		x							
	17-19	x	x							
V.	all items	x								

Table 1: Overview guiding principles for adaptation to climate change and indication of relevance for ICPDR EGs and TGs

#### Planned next steps



- Finalisation of targeted questionnaires for each Expert Group
- Discussion of questionnaires in upcoming Expert Group Meetings, composited by national and sector/NGO representatives
- Incorporation of results from questionnaires in different chapters of
  - Draft 2<sup>nd</sup> Danube River Basin Management Plan and
  - Draft 1st Danube Flood Risk Management Plan
- Publication of draft Plans and 6 months public consultation, including joint stakeholder workshop in spring 2015
- Incorporation of feedback and update of Plans
- Finalisation and adoption by ICPDR in December 2015
- 2015-2021: Implementation of adaptation measures
- (2018: Update of Climate Adaptation Strategy foreseen)



#### Thank you for your kind attention!

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