

# DANUBE - MAINSTREAMING CLIMATE INTO RIVER BASIN MANAGEMENT PLANS

**RAIMUND MAIR ICPDR SECRETARIAT**

**DRAGANA MILOVANOVIC REPUBLIC OF SERBIA MAEP WD**

**Global Network of basins working on climate change  
adaptation, the third meeting**

**Geneva, 6-7 April 2016**



Ministry of Infrastructure and the  
Environment

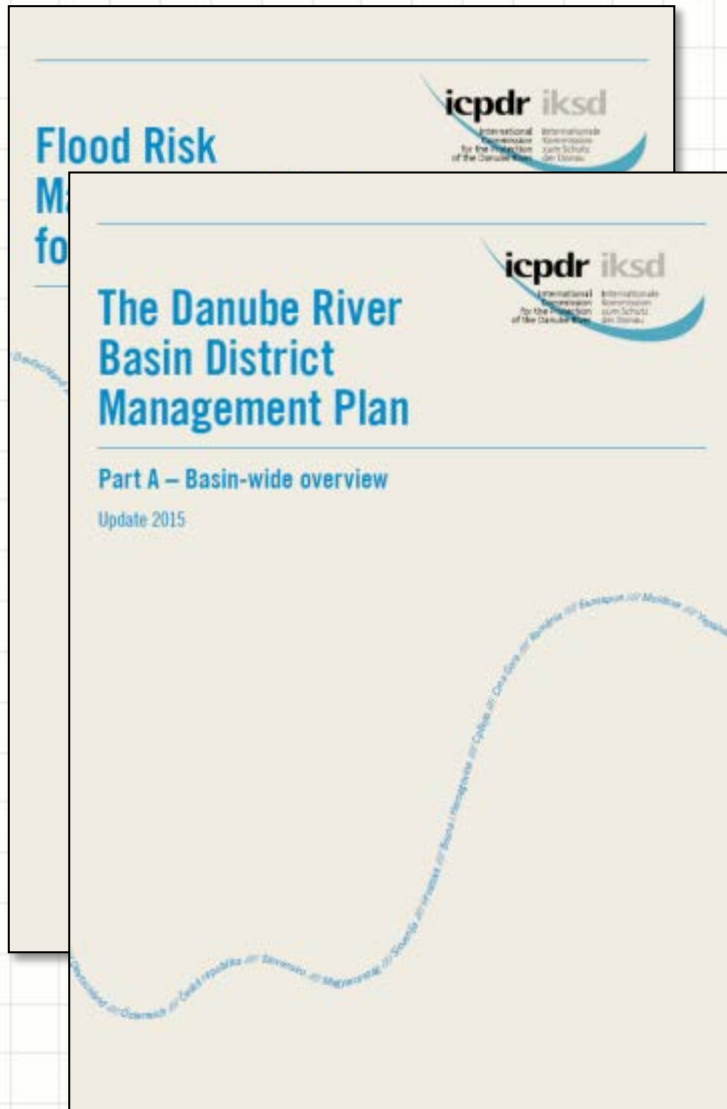


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# CONCRETE RESULTS IN THE PAST YEAR



- Danube River Basin and Flood Risk Management **Plans adopted** by ICPDR
- **Politically endorsed** at Danube Ministerial Conference
- Addressing **6-years planning period 2015-2021**
- Climate Change **Adaptation integrated**
- “**Climate check**” of Program of Measures
- **Next steps** outlined and agreed

# EXAMPLES: PROGRAM OF MEASURES 2015-2021

- Flood Hazard and Risk Mapping
- Flood Risk Management Measures



- Measures on pollution reduction
- Improvement ecosystem status and resilience
- Regulations on groundwater abstraction
- etc.



# KEY ISSUE: INVESTIGATIVE MONITORING

- Catastrophic floods but also droughts during last years, however
- Challenge to **distinguishing climate variability from climate change**
  - ➔ **Effective long-term monitoring** to better identify climate change signals
  - ➔ **Candidate sites for climate change impacts monitoring** selected, including information on available data series and evaluation
  - ➔ **Different parameters agreed** to be monitored in the frame of the **Danube Transnational Monitoring Network (TNMN)**, e.g.
    - Water and air temperature
    - Water level and discharge
    - pH and oxygen

## Danube Transnational Monitoring Network (TNMN)



# NEXT STEPS AND FUTURE PLANS

- **Update of scientific knowledge base**
    - Latest scientific and research studies for Danube River Basin
    - Update on climate change scenarios and water-related impacts
    - Potential adaptation measures
    - etc.
  - **Update ICPDR Strategy on Adaptation to Climate Change foreseen for 2018**
  - **Afterwards integration into further improved River Basin and Flood Risk Management Plans in 2021**
- ➔ More detailed planning of work currently ongoing

More **targeted activities on droughts** launched:

- ➔ Elaboration of **report on 2015 droughts** in the Danube River Basin currently ongoing...

# ACTIVITIES IN THE FIELD OF ADAPTATION TO CLIMATE CHANGE IN THE REPUBLIC OF SERBIA

- developing **First and Second National Communication of the Republic of Serbia to the UNFCCC**
- **Climate change strategy and action plan** will be developed under the IPA 2014 project and will start in 2016
- The preparation of **National Adaptation Strategy** is requirement of the EU Regulation 525/2013 (MMR), while the transposition of Regulation 525/2013 starts with support of IPA 2013 twinning project: **“Establishment of a mechanism for implementation of MMR”**
- establishment of **National Climate Change Committee** 2014