

## Achievements of the Tisza River Basin



Final Stakeholder meeting of the UNDP/GEF Tisza project  
12-13 April 2011, Uzhgorod, Ukraine

## Content



- Overview of the work done by the ICPDR Tisza Group
- Contribution from the Countries
- Contribution from EC and UNDP/GEF
- Involvement of stakeholders
- ITRBM Plan – Measures to be addressed
- Conclusions (samples)
- Implementation of the Tisza PoM

## Description of the work



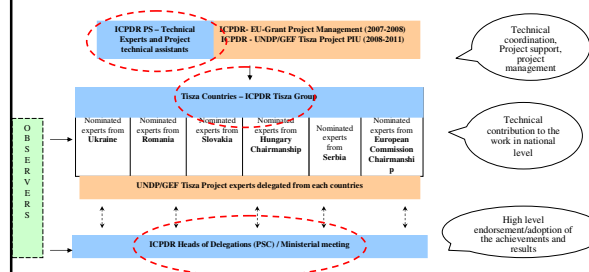
### • How the work is managed within the ICPDR Tisza Group?

- Cooperation between countries and ensuring the process via projects` support
- Development of the TAR-2007
- Development of the ITRBM Plan

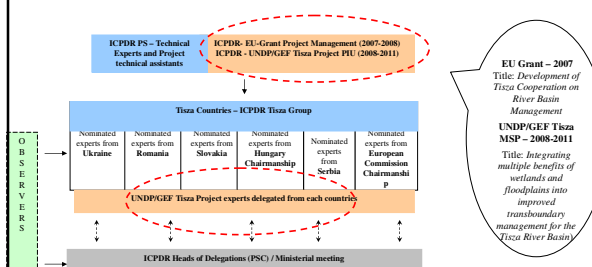


3

## Contribution from the Tisza Countries



## Contribution from EC and UNDP/GEF



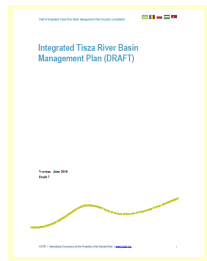
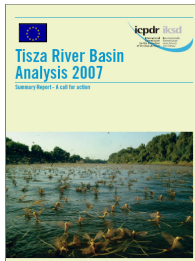
## Involvement of Stakeholders



- ✓ Stakeholder workshops (organised in the frame of the UNDP/GEF Tisza project and EU-Grant)
- ✓ Workshop on specific issues on integration (Organised by UNDP/GEF Tisza project back to back with the Tisza Group meetings between 2008-2011)
- ✓ Public consultation process via website (2010 June-Aug)
- ✓ Observer status in relevant project (TICAD)
- ✓ Observer contribution (WWF, UNEP-Carpathian Convention, REC, DEF)

## Overview of the main achievements of ICPDR Tisza Group

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Institutional Capacity Development Programme for the Tisza River



7

## The ITRBM Plan and its outcomes

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## Challenges to be addressed in the TRB

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- What are the main challenges in the TRB?
  - Water quality related pressures
  - Water quantity related pressures
  - Integration of water quality and quantity in the TRB



9

## Pressures – water Quality

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Nutrient Pollution



Organic Pollution



Hazardous Substances Pollution



Hydro-morphological Alterations

10

## Pressures – water quantity

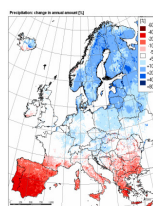
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Floods



Droughts

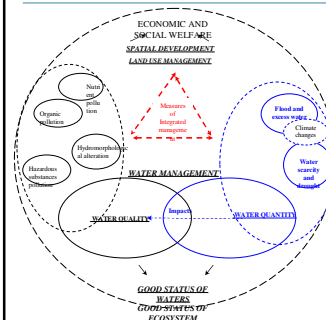


Climate change

11

## Integration of water quality and quantity issues

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### Pressures and Impacts related to water quantity

- ✓ Pressures from engineering work from flood protection measures
- ✓ Accidental pollution due to flooding
- ✓ Loss of wetlands
- ✓ Solid waste
- ✓ Groundwater depletion because of over abstraction
- ✓ Increased irrigation and related surface water abstraction
- ✓ Impacts of climate change on low water flow

12

## Measures to be addressed



- Identify measures to reduce impacts from pressures (nutrient-, organic-, hazardous substance - pollution, engineering work)
  - Identify measures with positive impact on both water quality and quantity
- .... to reach good water status by 2015



13

## ITRBM Plan – Conclusion



### Horizontal conclusions

- ✓ International Co-ordination
- ✓ Communication and consultation
- ✓ Incentives (e.g. related to land uses)

14

## ITRBM Plan – Conclusion (measures to reach good status – specific for TRB)



### Specific conclusions related to floods (samples)

- ✓ The implementation of the EU Floods Directive will provide better insight to the threats and pressures from HYMO facilities.
- ✓ The Tisza River Basin has lost most of its former wetlands through flood protection schemes.
- ✓ There is a potential for restoring former wetlands and floodplains in the mean time providing multiple benefits.
- ✓ Execution of demonstration projects of non-structural measures is needed
- ✓ Accidental pollution: existing inventories should be updated.
- ✓ Solid waste remains a problem in the Tisza River Basin that needs to be further addressed

15

## ITRBM Plan – Conclusion (measures to reach good status – specific for TRB)



### Conclusions related to water scarcity / droughts and climate change (samples)

- ✓ Better knowledge is needed of spatial distribution of water use and demand.
- ✓ Common indices for droughts and water scarcity should be developed.
- ✓ Irrigation and groundwater depletion are recognized as major problems but more information is needed.

16

## ITRBM Plan – Conclusion (measures to reach good status – specific for TRB)



### Conclusions related to water scarcity / droughts and climate change (samples)

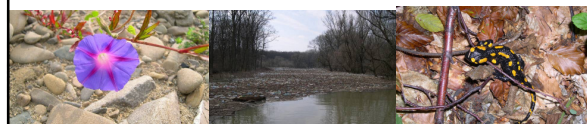
- ✓ National minimum ecological flows methodologies should be collected/ compared.
- ✓ Water pricing is one option between various options to be put into place to provide adequate incentives to use water resources efficiently.
- ✓ Scientific projects related to climate change need to be followed
- ✓ Adaptive and no-regret measures can already be designed for the TRB

17

## Summary of conclusions



Integration of water quality and quantity in land and water planning will be essential. To achieve this success in the Tisza River Basin, countries must work together and with all other partners.



18

## Achievements (results, expected outputs)



- What are the achievements so far in the TRB and what are the further expected outputs?
  - Endorsed TAR (2007)
  - Endorsed ITRBM Plan (2010/2011)
  - Implementation of the Tisza Program of Measures (2011 – ongoing)

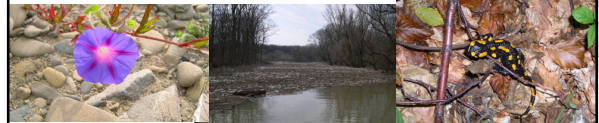


19

## Implementation



- ✓ Implementation of the ITRBM Plan will be done in national level
- ✓ ICPDR Tisza Group will follow up on and monitor implementation of Tisza PoM and will report about the process in the 2012 report and will summarize achievements in the 2<sup>nd</sup> TRBM Plan in 2015



20

## 2012 JPM Implementation Report Objective



Main aim of the 2012 report is to give an **overview of measures** which are

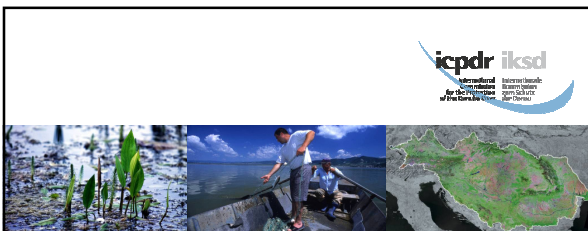
- Already implemented
- Under implementation
- Still intended to be implemented on the short term

21

## 2015 2<sup>nd</sup> RBM Plan - Objective



- *2<sup>nd</sup> ITRBM Plan in 2015 will include a JPM which has to be based on the progress achieved in the previous WFD implementation cycle and therefore in the implementation of the JPM of the 2009 ITRBM Plan*



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23