

ICPDR Tisza Group ITRBM Plan

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



//// România //// България //// Moldova //// Україна ////

UNDP/GEF Tisza MSP

Stakeholder meeting

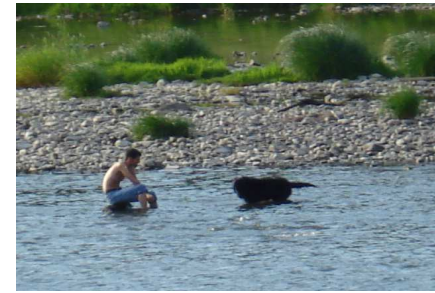
13 November 2009, Kosice, Slovakia

Marieke van Nood / European Commission

Diana Heilmann - ICPDR

Outline

- ICPDR and Tisza Group
- The Tisza Analysis Report
- Towards the ITRBM Plan



The ICPDR

International Commission for the Protection of the Danube River (ICPDR):
frame for co-operation to
**assure protection of water
and ecological resources**
and their **sustainable use** in
the Danube River Basin.

Danube River Basin District: Relief and Topography



Danube River Protection Convention

signed: 29 June 1994, Sofia

entered into force: 22 October 1998

ICPDR Tisza Group MoU



7th Ordinary Meeting (2004) adopted the Tisza
Memorandum of Understanding

MoU signed by the five Tisza countries

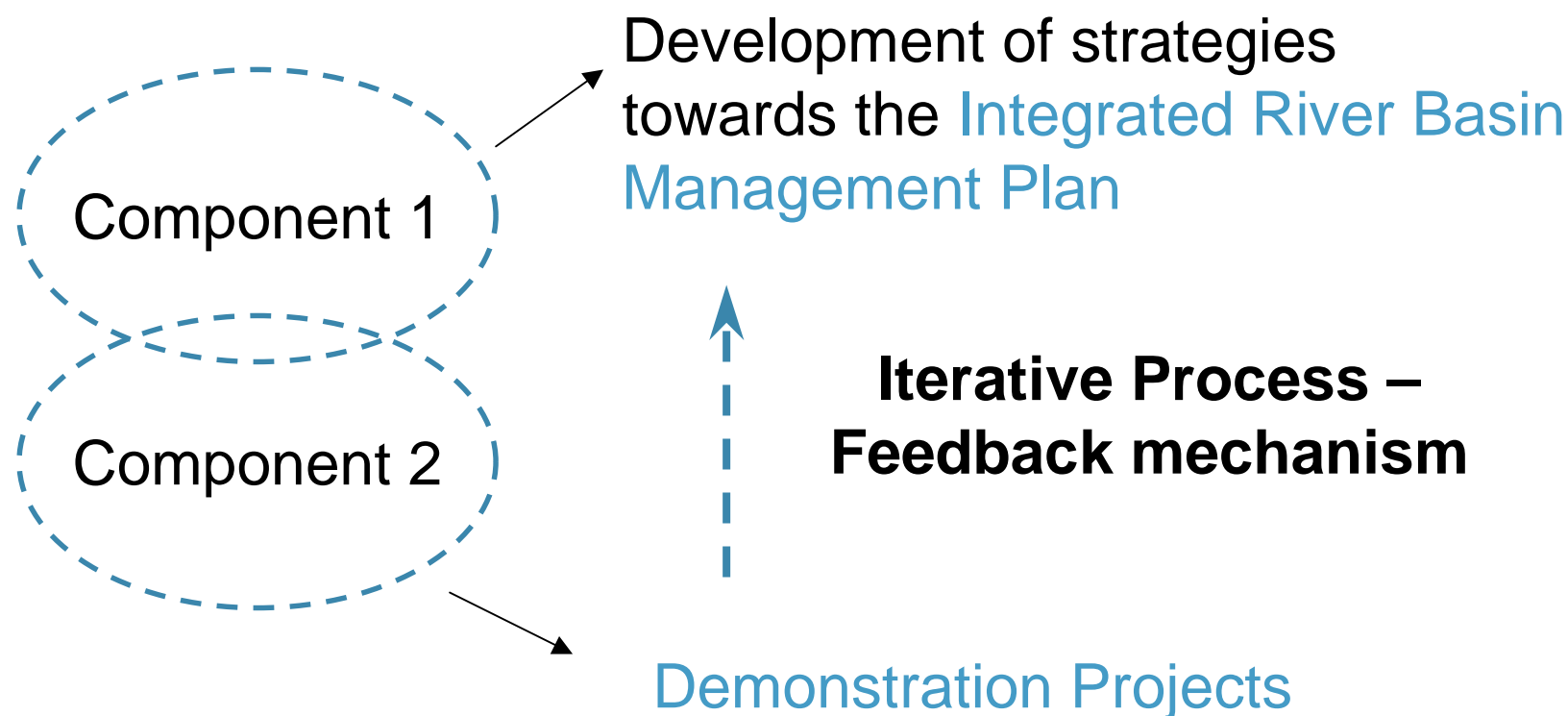


**Towards a
River Basin Management Plan
for the Tisza river supporting
sustainable development of the region**
Tisza Expert Group was established



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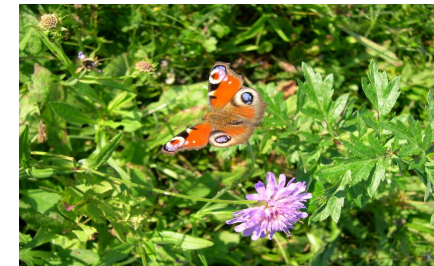
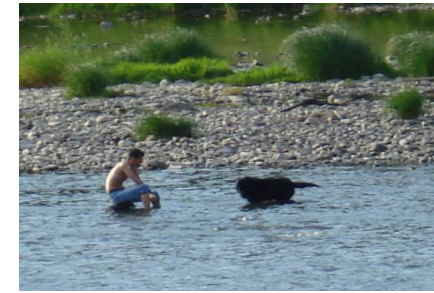
The ICPDR Tisza Group & UNDP/GEF Tisza Project



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- ICPDR and Tisza Group
- **The Tisza Analysis Report**
- Towards the ITRBM Plan





LEGEND

- Tisza River Sub-basin
- Danube River Basin District (DRBD)
- Tisza and Danube
- Tributaries (river basins larger than 1,000 km²)
- Lakes (surface area > 10 km²)
- National borders
- Cities 50,000-100,000 inhabitants
- Cities 100,000-250,000 inhabitants
- Cities 250,000-1,000,000 inhabitants



Product of ICPDR, Vienna

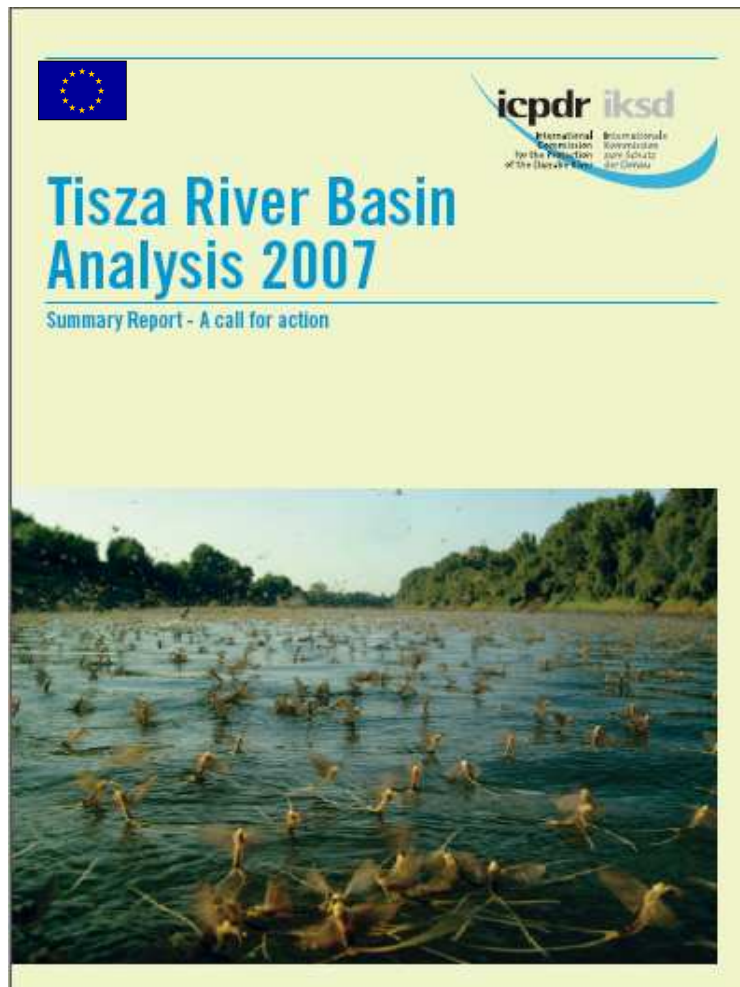
Prepared by FLUVIUS, Vienna, September 2007 Draft3

The Tisza River basin at a glance

- ✓ Size: 157,186 km²
- ✓ Length of the Tisza River: 966 km
- ✓ The Tisza River Basin is the biggest sub basin of the Danube River Basin, and the longest tributary
- ✓ The Tisza River Basin has nearly two times larger catchment size and two times more population with significantly smaller amount of average discharge compared to the Sava River Basin

Ukraine, Romania, Slovakia, Hungary, Serbia

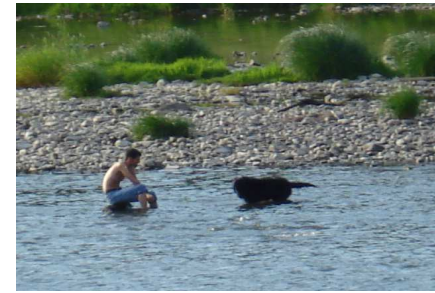
Outcomes of the Tisza Analysis Report - 1



key conclusion of the Tisza Analysis Report 2007 is that integration of water quality and quantity in land and water planning is an essential issue to be considered in the ITRBM Plan

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- ICPDR and Tisza Group
- The Tisza Analysis Report
- **Towards the ITRBM Plan**



Objectives



The Integrated Tisza River Basin Management Plan objectives are twofold:

- Discuss and manage water quality related significant water management issues in line with the approach for the Danube River Basin District;
- Discuss and manage water quantity related management issues (floods and excess water, drought and water scarcity, climate change) in an integrated way by focusing on measures that are contributing to reaching good water quality by 2015.



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Significant Water Management Issues



Based on the outcomes of the Tisza Analysis Report the Tisza Group identified the following SWMIs :

- Organic pollution
- Nutrient pollution
- Hazardous substances (special attention to mining and related pollution)
- Hydromorphological alterations

Groundwater (quality, quantity)

Integration of water quantity and quality aspects



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Integration - Key water quantity issues



Key water quantity management related issues of integrated water management are divided in the following three categories:

- A) Floods and Excess water
- B) Droughts and Water scarcity
- C) Climate change

Integration - Key water quantity pressures

The following priority pressures are identified:

- Groundwater depletion
- Increased irrigation
- Hydromorphological pressures from flood protection measures
- Accidental pollution due to flooding
- Loss of wetlands
- Impacts on climate change on low water flow
- Solid waste

Towards the ITRBM Plan



- For the above listed priority integration pressures, the Tisza countries identified visions and management objectives.
- Next year, measures will be identified related to these issues which will contribute to achieving the management objectives
- Information comes from
 - Tisza countries, e.g. national integration reports and flood action plans
 - Danube GIS
 - Demonstration projects



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**Thank you for your
attention!**