



UNOPS



UNDP/GEF TISZA MSP

Making space for water

in the Bodrog River Basin

(HU, SK,UA)

3rd Workshop of the UNDP/GEF Tisza MSP Project

November 13, 2009

Kosice – Slovakia

GWP Slovensko

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Introduction to Tisza MSP

Making space for water in the Bodrog River Basin

The project implementation has been launched at the 12th Tisza Group Meeting held in Budapest, Hungary - April 9, 2009

The main project objective:

To mitigate consequences of floods through **achieving consistent and holistic management of flood risk in Bodrog River catchment** countries (HU-SK-UA) by creating partnerships at national and local levels.



Introduction to Tisza MSP

Making space for water in the Bodrog River Basin

Baseline situation

The Bodrog River Basin area - 11 552 km² , shared by four countries (Slovakia, Ukraine , Hungary and Poland (only 0,3 km²)

Problems

- reduced area of natural floodplain, declining biodiversity
- water quality – affected by point and diffuse sources of pollution (agriculture, chemical production , urban effluents)
- insufficient water management regarding flood prevention and protection
- missing harmonization of national strategies on flood management and flood prevention within Bodrog River Basin



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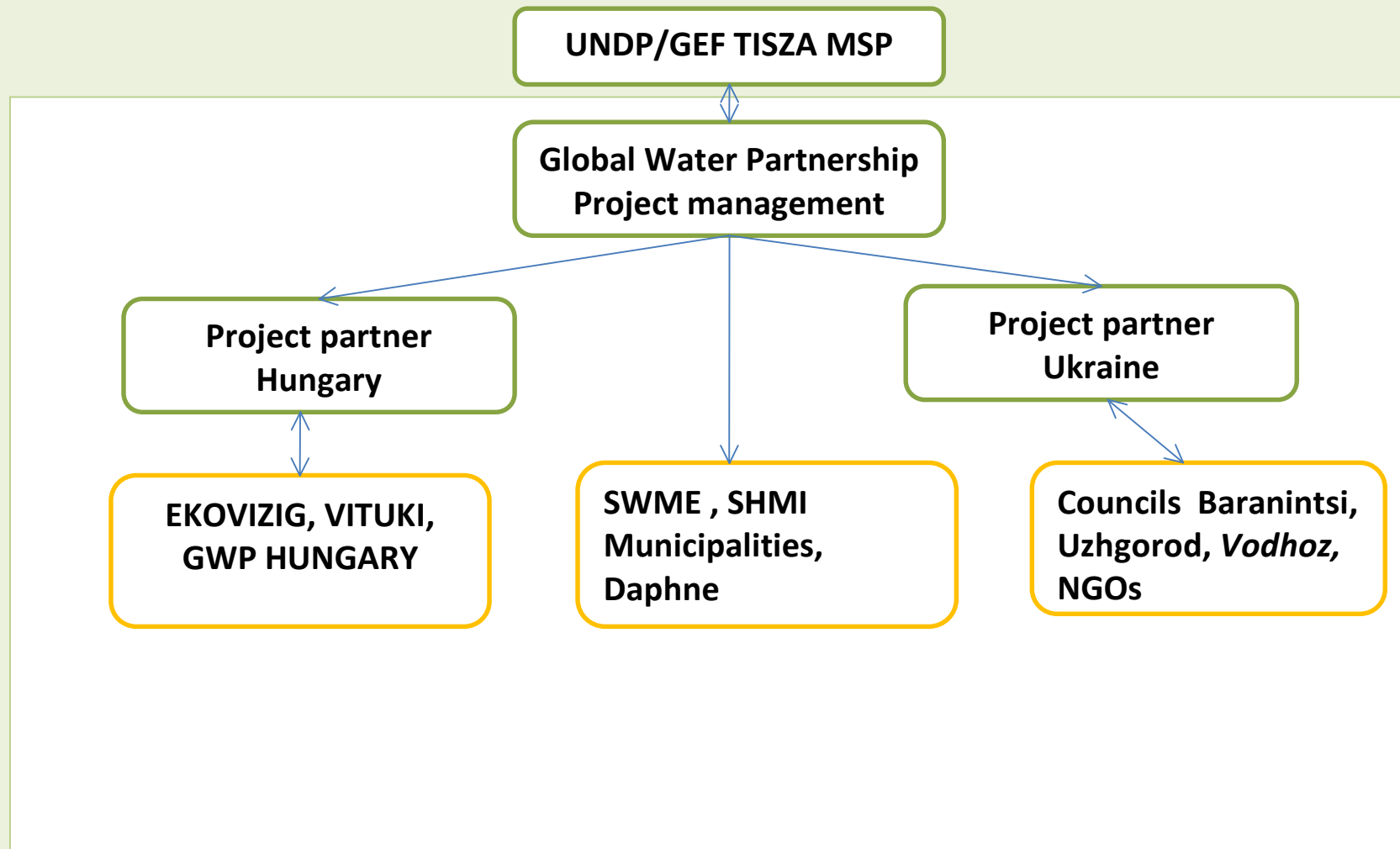
Project Component activities

Project outputs:

1. Formulation of the “Strategy for mitigation of floods for Bodrog River Basin countries”.
2. Improvement of conditions of original floodplains and wetlands affected by current land uses and environmentally inappropriate flood protection measures
3. Dissemination of project results to achieve replication on the basin and national levels.



Project Management



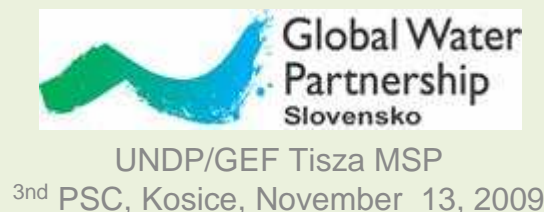
1. Formulation of the “Strategy for mitigation of floods for Bodrog River Basin countries”.

Common approach based on the Tisza river basin action flood protection plans

- **National plans developed – coordination**

Flood risk management aims to reduce the likelihood and/or the impact of floods incorporating the following elements:

- **Prevention:** preventing damage caused by floods by avoiding construction of houses and industries in present and future flood-prone areas; by adapting future developments to the risk of flooding; and by promoting appropriate land-use, agricultural and forestry practices;
- **Protection:** taking measures, both structural and non-structural, to reduce the likelihood of floods and/or the impact of floods in a specific location;
- **Preparedness:** informing the population about flood risks and what to do in the event of a flood;
- **Emergency response:** developing emergency response plans in the case of a flood;
- **Recovery and lessons learned:** returning to normal conditions as soon as possible and mitigating both the social and economic impacts on the affected population.



1. Formulation of the “Strategy for mitigation of floods for Bodrog River Basin countries”.

Meetings with state authorities

- The “Committees for transboundary waters” informed about the Bodrog Project objectives and preparation /formulation of the “Strategy for mitigation of floods for Bodrog River Basin countries „
- HU – SK „ Committee“ session in September 2009 - information was included into protocol



2. Improvement of conditions of original floodplains and wetlands affected by current land uses and environmentally inappropriate flood protection measures

Demonstration sites:

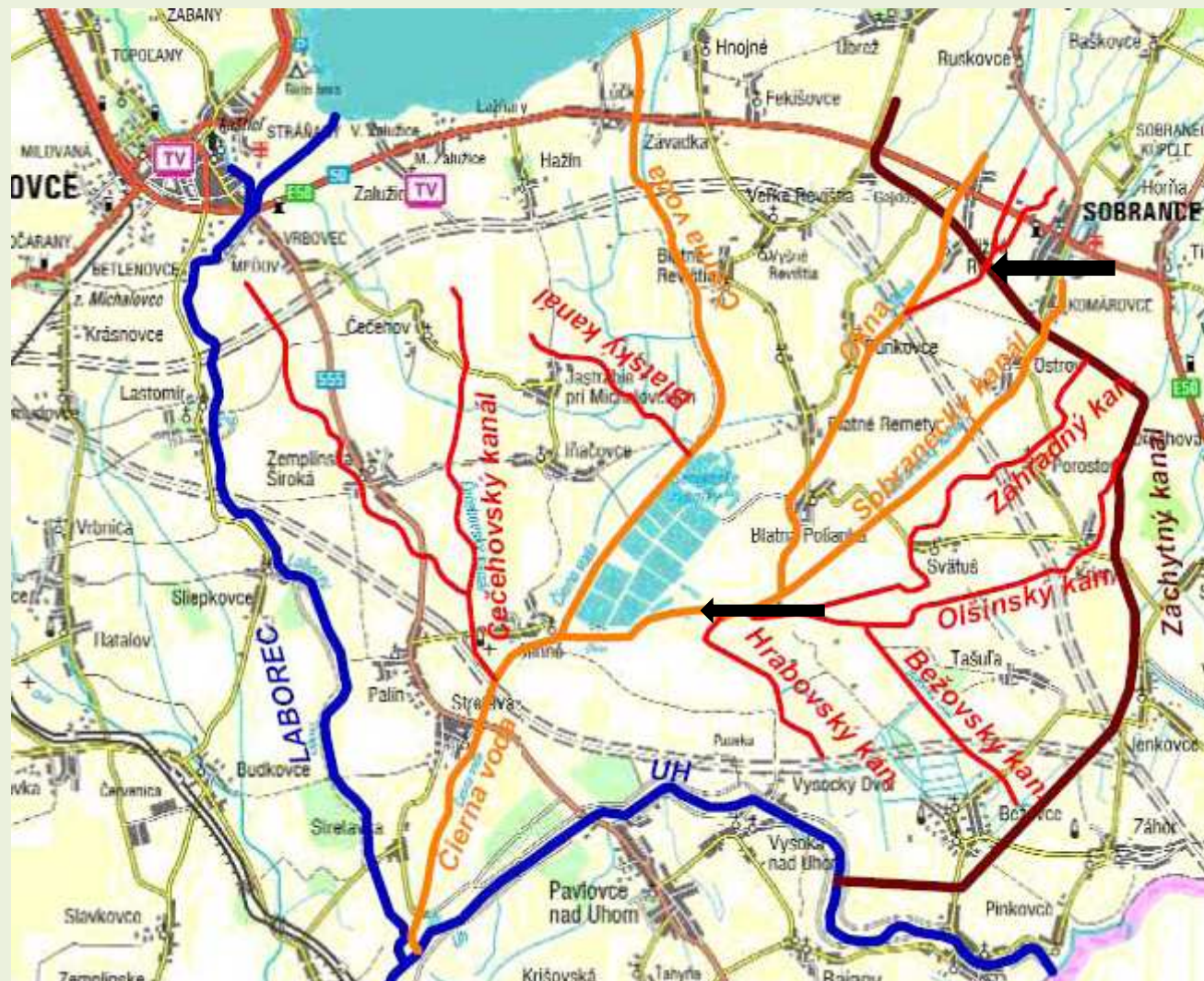
- **Slovakia** - demonstration site is located in Senné depression. Intervention will supply the former floodplains and/or wetlands by water during flood events and thus will improve natural wetland habitats (reconstruction of existing floodgates).
- Willingness of farmers to cooperate is not yet confirmed
- Next steps – reconstruction of flood gate located in the upstream
- Technical project developed and procurement process finished
- Continuation of negotiation with farmers



Drainage canal system



Locations of flood gates, which will be reconstructed



Slovakia - pilot demonstration site



Okna river „Sluice gate“
will be reconstructed



Potential area for wetland

2. Improvement of conditions of original floodplains and wetlands affected by current land uses and environmentally inappropriate flood protection measures

Demonstration sites:

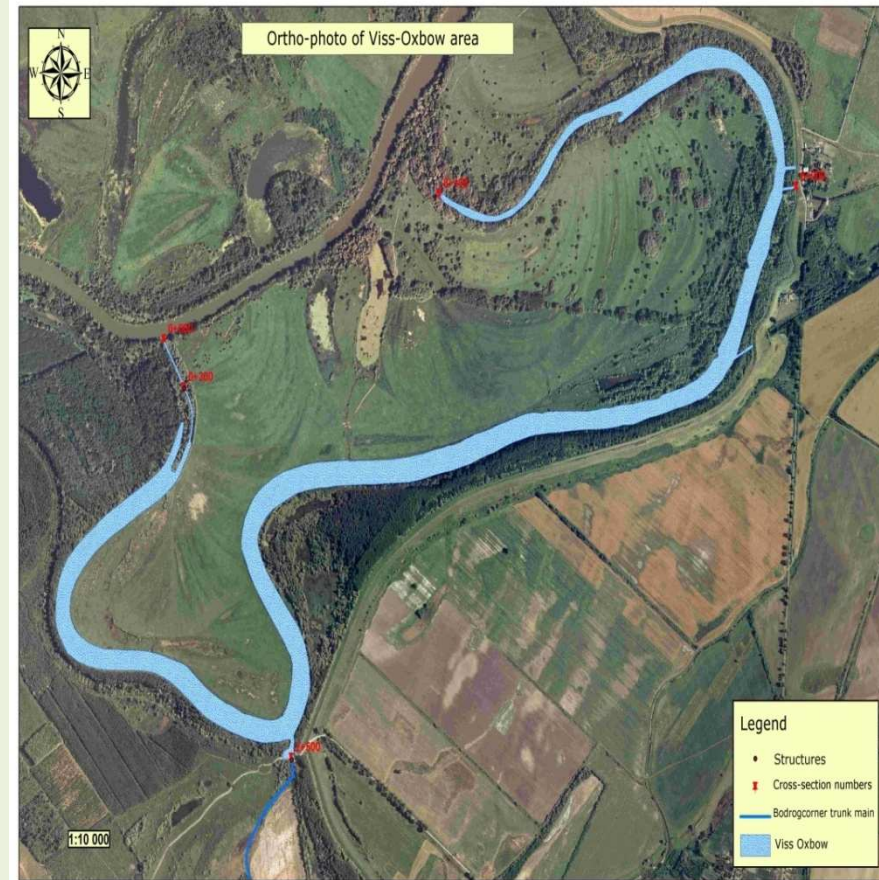
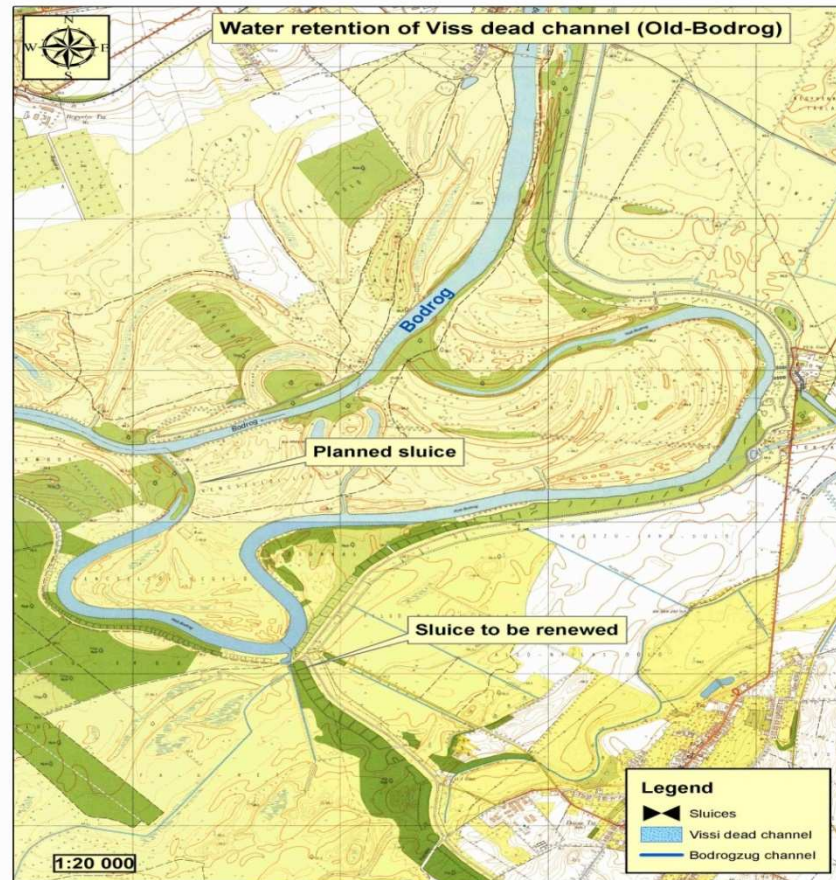
In Hungary is to improve the water supply to Tokaj-Bodrog corner Landscape-protection District to improve the living conditions of the protected plants and birds in the region. Site in HU is in the main floodplain area with national protected area in its close vicinity



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Pilot demonstration site in Hungary – the Bodrog River - Viss-Oxbow area



To build a new wooden board sluice at the 0+300 rkm of the oxbow to retain flood water of Bodrog and thus preventing the full emptying of the oxbow

2. Improvement of conditions of original floodplains and wetlands affected by current land uses and environmentally inappropriate flood protection measures

Demonstration sites:

Ukraine -the improving of the Tova riverbed conditions within the Dovge Pole village according to feasibility study *“Flood protection of Tova River at the territory of Baranintsi village council, Uzhgorod rayon.*





р. Това в с. Довге Поле



3. Dissemination of project results to achieve replication on the basin and national levels

Activities:

- to inform local stakeholders on the project activities, writing articles into the national newspapers, preparation of a joint booklet and its presentation to the stakeholders



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Проведення громадських слухань серед активу села Довге Поле



Making space for water in the Bodrog River Basin

How the demonstration project will assist the Tisza Group and the development of an Integrated River Basin Management Plan?



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Making space for water in the Bodrog River Basin

The Strategy will be based on :

- an integrated land and water management principles,
- improving the cross-border cooperation in flood prevention, with a view to giving “rivers more space”
- requirements of the WFD regarding achievements of environmental objectives, Directive on Assessment and Management of flood risks
- measures:
 - to reduce possible adverse effects of floods on infrastructure necessary for sanitation and contaminated sites located in flood-prone areas, especially in case of contamination by hazardous substances.



Making space for water in the Bodrog River Basin

Implementation of proposed demonstration projects:

- help to answer questions regarding effective implementation Basin Management Plan :
 - improve natural wetland habitats (simple technical solution, financially feasible can be done in very short period of time - within 12 months)
 - mitigation of floods
- pilot demonstration activities will serve as examples for the implementation of new approaches in other river basins
- involvement of municipalities, river basin organizations, NGOs, farmers, and urban planning authorities

