

UNDP/GEF TISZA MSP DEMONSTRATION PROJECT

Selected Measures Towards Integrated Land and Water Management in Upper Tisza

PROGRESS REPORT

VELYKY BYCHKIV (UKRAINE) – BOCICOIU-MARE (ROMANIA)

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Introduction

Main objective of the project:

to demonstrate

Innovative + Cost-effective solutions

to the **typical** environmental problems

faced in Upper Tisza floodplain

with guidelines for their further replication



Project components:

1. Improvement of communal waste management system

Two goals:

1. to develop village solid waste management system
2. to introduce separate waste collection (plastic bottles)

Methods:

- capacity building of municipal services (purchasing of containers and press)
- Environmental awareness raising campaigns



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International Centre for Policy Dialogue
International Knowledge Service for Development

Progress so far (1)

- Around 350 containers purchased
- Press obtained



1st permanent Unit of PLASTIC RECYCLING is established in Rakhiv rayon

Contribution of Velyky Bychkov village council and Ecobat Shuravi:

- ✓ Discounts on the costs of containers
- ✓ Platforms for the containers for glass paper
- ✓ Sustainable operation of the system



Progress so far (2)

- Joint UA-RO environmental campaign
“Two banks – One clean Tisza”



Sustainability and replication:

- Further spreading of the waste management system for the whole **REGIONAL PLANS TO DEVELOP WASTE MANAGEMENT SYSTEM** Rakhiv region - with involvement of Velyky Bychkiv
- Plans to collect separately also glass and paper

Project components:

2. Local flood protection plan

Flood July 2008 – most of damage done by in-village streams

Elaboration of different scenarios of in-village stream flood management depending on water level in Tisza

+

Design and construction works



Results to be archived:

- **FIRST LOCAL Flood Management Plan**— shift of attention from large rivers to small streams
- One of the **first applications of requirements of EU FLOOD DIRECTIVE**: development of flood risk and flood hazard maps
- Close public involvement and **PUBLIC CONSULTATION** — key to sustainability
- **PRACTICAL ACTIONS** with involvement of public (cleaning of riverbed, creation of retention pond etc—to be defined)

Project components:

3. Restoration of habitats

Ukraine

- **FIRST SCIENTIFIC METHODOLOGY** of friendly habitat restoration at mountainous creeks by Institute of Hydrobiology;
- **On-job training** of forest enterprise staff
- **RIVER TROUT** as indicator of the habitat restoration

Mountainous creek before cleaning



Works done



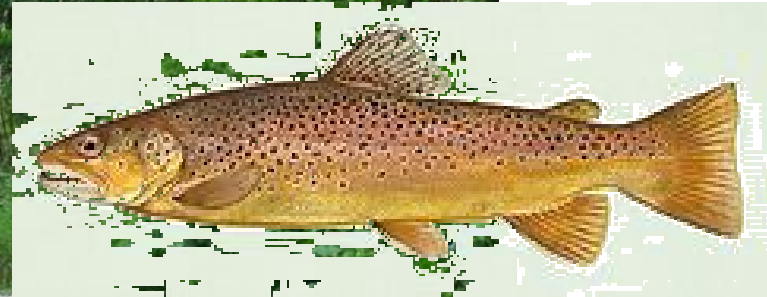
Cleaning of the creek from wooden residues and restoration of its weaving and establishment of the cascades (done by Dilove forest enterprise)



Introduction of the marcozoobentos from undisturbed creek (done by Institute of Hydrobiology)



Restored habitat – trout to be back 😊



Project components:

3. Restoration of habitats

Romania

- Assessment of **ECOLOGICAL POTENTIAL** of the lake Teplytsya as recreational zone
- Practical measures to **CONSERVE LAKE HABITAT**



Project components:

4. Local wastewater treatment facilities

- Demonstration of possible **LOCAL and COST-EFFECTIVE BIOLOGICAL** treatment facilities
- Decrease of **DIRECT INFLOW** of nutrients into transboundary part of Tisza



Boarding school



The actual co-funding from the side of Rakhiv regional administration – is more than 50% of the project (preparatory works and sewage works)

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Project components:

5. Re-opening of hydrological gauging station

- monitoring data **ON-LINE** for UA and RO partners
- The **ONLY** station for Shopurka river (tributary of Tisza – the catchment 286 км²)
- **LARGE** partner contribution – equipment (Zakarpattya Hydromet)

Additional co-financing – provision of a regular stuff of the station from 2010 by Zakarpattya hydromet

..... Works on the station construction started



