

Nutrient reduction on the wetlands of the Danube-Drava National Park

Objectives and results of the World Bank project 'Reduction of Nutrient Discharges' GEF # TF 051 289

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Final Wetlands Workshop of the UNDP/GEF Danube Regional Project 18-20 April 2007, Tulcea, Romania



General Introduction of the GEF project

Objective: "to decrease nutrient discharges into the Danube river and loads to the Black Sea, by improving the reduction of nutrients in effluent from wastewater treatment plants at Budapest and Dunaújváros, and by increasing the nutrient retention capacity at the Gemenc and Béda-Karapancsa regions of the Danube-Dráva National Park."

Actions:

- 1. Building the nutrient reduction phase of the North-Budapest WWTP
- 2. Building the nutrient reduction phase of the Dunaújváros WWTP
- 3. Restoration of wetlands in the Gemenc and Béda-Karapancsa regions of the Danube-Dráva National Park.

Financing organisations: World Bank, Hungarian Government







Objectives and constraints

Objectives:

- 1. Nutrient retention and removal
- 2. Ecological restorationhabitat restoration (fish, amphibians, waders)
- 3. Nature sound land use development
 - eco-tourism
 - promotion of traditional floodplain management practices

Constraints:

- 1. River regulation and flood control aspects
- 2. Land uses:
 - forestry
 - recreation



















	Potential conflicts
Nutrient retention	Ecological restoration
	eutrophication denitrification
	Disturbance and destruction (wood cutting, reed and weed harvesting)
	$Burial \rightarrow aggradation$
Land uses	Ecological restoration
<i>Challenge</i> : searching for mutually beneficial, best compromise solutions	













