







Federal Ministry
Republic of Austria
Agriculture, Regions
and Tourism





Danube Transnational Programme lifelineMDD





Universität für Bodenkultur Wien University of Natural Resources and Life Sciences, Vienna









Synthesis report



Biotic studies

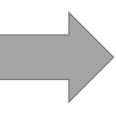
Assessment of fish population status
River birds breeding study

Abiotic studies

River training structures mapping
Sediment mobilisation study
Sediment balance and transport study
Climate change study

Synthesis Report

Deficit Analysis
Need for action
Priority river
reaches



River Restoration Strategy



Interreg Synthesis report - structure Danube Transnational Programme

Executive summary

Introduction

- Aims & Objectives

- Background

- Pressures & **Impact**

- Status quo /deficit analysis

- Recommendations for protection & restoration priorities
- Policy recommendations

Summary & Conclusions

References

Annexes



Executive summary

- Summarized policy recommendations
- Contributions of the study outcomes to future river protection & management



Introduction

Aims & Objectives

Background

Context - TBR MDD

Context − lifelineMDD/coopMDD →

link to Action Plan & Guidelines



Pressures and impacts

- River training structures
 - Comparison of historical mapping of river morphology and riparian structures with current situation
- Disturbances of the sediment balance in the TBR MDD, their root causes and their effects on river morphology, morphological river dynamics & connectivity within the river corridor
- Structural deficits and hydromorphological stressors for fish and bird populations
- Consequences of climate change for the TBR MDD



Status quo/deficit analysis (I)

- Morphology, sediment balance and transport
 - Historic and present morphology and conditions for sediment supply and transport
 - Deficit analysis (alteration with respect to the historic state) and present trajectories
 - Impact of river restoration measures on sediment dynamics



Status quo/deficit analysis (II)

- Fish populations
 - Status quo of fish populations according to species distribution, abundance and age distribution
 - Case study Serbian backwaters: Results of connectivity analysis between river and floodplain



Status quo/deficit analysis (III)

- Bird populations
 - Target situation/reference state
 - Number of individuals/breeding pairs per species
 - Number of breeding sites and breeding status of recorded individuals
 - Deficit analysis



Recommendations for protection & restoration priorities (I)

- Need for action based on study results & overlay maps
- Why should rivers in the TBR MDD be protected/restored?
- Recommendations for protection and restoration measures
 - to improve the status of the fish fauna in the TBR MDD
 - to counteract threats for river birds



Recommendations for protection & restoration priorities (II)

- High-risk river stretches with priority for action from the perspective of sediment management and lateral connectivity
- Link to toolbox how to remedy recognized deficits through river restoration
- Link to Transboundary Action Plan protection approaches first step already undertaken
- Policy recommendations



Summary & Conclusions

- Status of knowledge regarding biotic & abiotic parameters in the TBR MDD
- Review of challenges detected and solutions recommended
- Proposed actions contributing to multiple aims and with high synergy effect
- Priority river stretches for protection & restoration in the TBR MDD
- Data gaps & uncertainties Further research needs

















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