



→ Wasserwirtschaft

Federal Ministry
Republic of Austria
Agriculture, Regions
and Tourism



POMGRAD
VODNOGOSPODARSKO PODJETJE



INSTITUTE OF THE REPUBLIC OF SLOVENIA
FOR NATURE CONSERVATION



Interreg



EUROPEAN UNION

Danube Transnational Programme

lifelineMDD



Universität für Bodenkultur Wien
University of Natural Resources
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ПОКРАЈИНСКИ ЗАВОД
ЗА ЗАШТИТУ ПРИРОДЕ



PRI RODA
VARAŽDINSKE ŽUPANIJE
JU za upravljanje zaštićenim dijelovima prirode

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

Synthesis report - structure

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

An aerial photograph of a river winding through a lush green forest. A large, light-colored sandbar is visible in the middle of the river, partially covered by small green plants. The water is a deep blue-green color, and the surrounding forest is dense and vibrant green. The text "Thank you!" is overlaid in white on the river.

Thank you!



Das Land
Steiermark



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