

ROMI

Regional resilience based on ecological, economic and social knowledge and innovation in the Ötscher region

Ulrike Pröbstl-Haider¹, Walter Seher², Tatjana Fischer², Meike Jungnickel¹, Alice Wanner¹, Klaudia Kainz²

1 Institute of Landscape Development, Recreation and Conservation Planning 2 Institute of Spatial Planning, Environmental Planning and Land Rearrangement University of Natural Resources and Life Science



INTRODUCTION

In mountainous areas the effects by climate change on tourism are interconnected with other land use changes. Transformative change and resilience are only attainable if all changes are considered in an integrated manner. In the past, innovative applications in the context of rural resilience have mostly been developed for specific disciplines. Therefore an integrated view on regional development in close cooperation with local stakeholders has so far not been developed.



AIMS

- Exploring regional structures in a transdisciplinary manner and to define the preconditions for a regional approach
- Developing key factors for a resilience

METHODS

- Socio-Ecological Modeling
 - Qualitative Interviews
 - Survey
 - Social Network Analysis

VULNERABILITY TO CLIMATE

CHANGE

- Agriculture & Forestry
 - Small extension of growing season
 - Higher likelihood of bark beetle

framework, as well as its criteria and indicators based on multidisciplinary approach (SES based)

- Understanding, measuring and analyzing key factors for regional resilience, their relevance and their possible interactions
- Using this knowledge for a transformation process based on a transdisciplinary approach aimed at different adaptive pathways

• Ecosystem Service Modelling

- Dynamic Adaptive Pathways (DAP)
 - Scenario Development with local stakeholders
 - Discrete Choice Experiments (DCE)

infestation

• Tourism

- Potential positive effects for summer tourism
- Winter tourism is likely to be

negatively affected

• Extreme Precipitation Events

• Severe and extreme precipitation

events are projected to increase

UNDERSTANDING THE SOCIO-ECOLOGICAL SYSTEM



NEXT STEPS

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