

Development and testing of a participatory-adaptive methodology for ecosystem-based risk management of groundwater and surface waters

MARISCO 2.0 + software



Goal

The utilization of the proven ecosystem-based analysis and planning methodology MARISCO¹ for integrative, practical and risk-robust concepts for the conservation of hydrological resources.

Content

A user-friendly software for strategic knowledge management and decision support will be developed to make workflows more efficient and even possible. Especially smaller water bodies can currently only be cared for insufficiently. Here, it is particularly important to develop management proposals in a larger context of effect and to provide additional actors, such as municipal partners and associations. It also involves sharpening a systemic awareness and improving ways to document, use and communicate relevant knowledge. In addition, actors are to be enabled to plan and decide on risk-robust.

Partners

- Landkreis Barnim
- City of Bernau near Berlin
- Stiftung NaturSchutzFonds Brandenburg.

Work packages

Further) development of the MARISCO methodology for use in water management and nature conservation incl. development of software

- Design and adapt the MARISCO methodology to the specific requirements of water management,
- Team meetings and exchanges with users in workshops,
- Based on this, development of the necessary functions of the software.

Application of ecosystem-based risk management for groundwater and surface waters for selected aquatic systems in Brandenburg (eg Natura 2000 wetlands)

- Model application of the revised methodology to selected water systems in Bandenburg, Germany,
- Participatory elaboration of concrete adaptations of the methodology for the water body context.

Products

- Method manual / guide,
- Analog and digital documentation (software) of applications for ongoing planning processes,
- Recommendations for water management in the case study rooms,
- Training and qualification of the participants.

Region: Brandenburg

Project lead: Prof. Dr. Ibisch, Faculty of Forest and Environment, HNE Eberswalde, Centre for Ecomics and Ecosystem Management (www.hnee.de, www.centreforecomics.org)

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¹ The MARISCO methodology has been under continuous development at the Center for Ecomics and Ecosystem Management for almost a decade. It presents a systemic and adaptive situation analysis and management planning that is carried out participatory (www.marisco.training).