



Integrative River Basin Management - Synergies and Target Areas in the Ilmenau Catchment Area

Leuphana University Lüneburg, Germany

Main Idea

Reducing flood risk by identification synergies with i.a. Water Framework Directive, nature conservation, agriculture and others by an integrative river basin management approach.

Approach

- » Development of a method to identify target areas for prioritised measures and implementation instruments
- » Developing and testing the method in the case study area of the Ilmenau river basin (tributary to river Elbe/North Germany)
- » Participation process involving regional partners and stakeholders (discussions with experts, workshops)
- » GIS-based spatial analysis to identify areas in the catchment relevant to flood protection measures (e.g. flood source areas, potential risk areas) and target areas for the implementation of measures to reduce flood risk and improve water quality.

Results

- » Developed method for identification of target areas
- » Target area analysis for the whole catchment of the Ilmenau river basin
- » Catalogue of adaptive measures and overview on instruments for implementation for integrative flood risk management
- » The digital „Ilmenau Atlas“ which shows the main target areas for pooling synergetic measures
- » Cooperation of different regional stakeholders and better understanding about FRM and respective values and goals
- » Information and results can be integrated in various plans (master plan for urban development, landscape plan etc.).

Contribution to SAWA

- » Integrative approach for identification and using synergies of the Flood Directive and Water Framework Directive
- » Integrative River Basin Management Plan as an important step towards a Flood Risk Management Plan
- » Tools for integrative and knowledge based planning and decision making.

For more information see please Evers et al. (2011) Integrative river basin management – synergies and target areas in the Ilmenau catchment. ISBN 978-3-935786-54-6

Partner



Mariele Evers



Monika Tischbierek



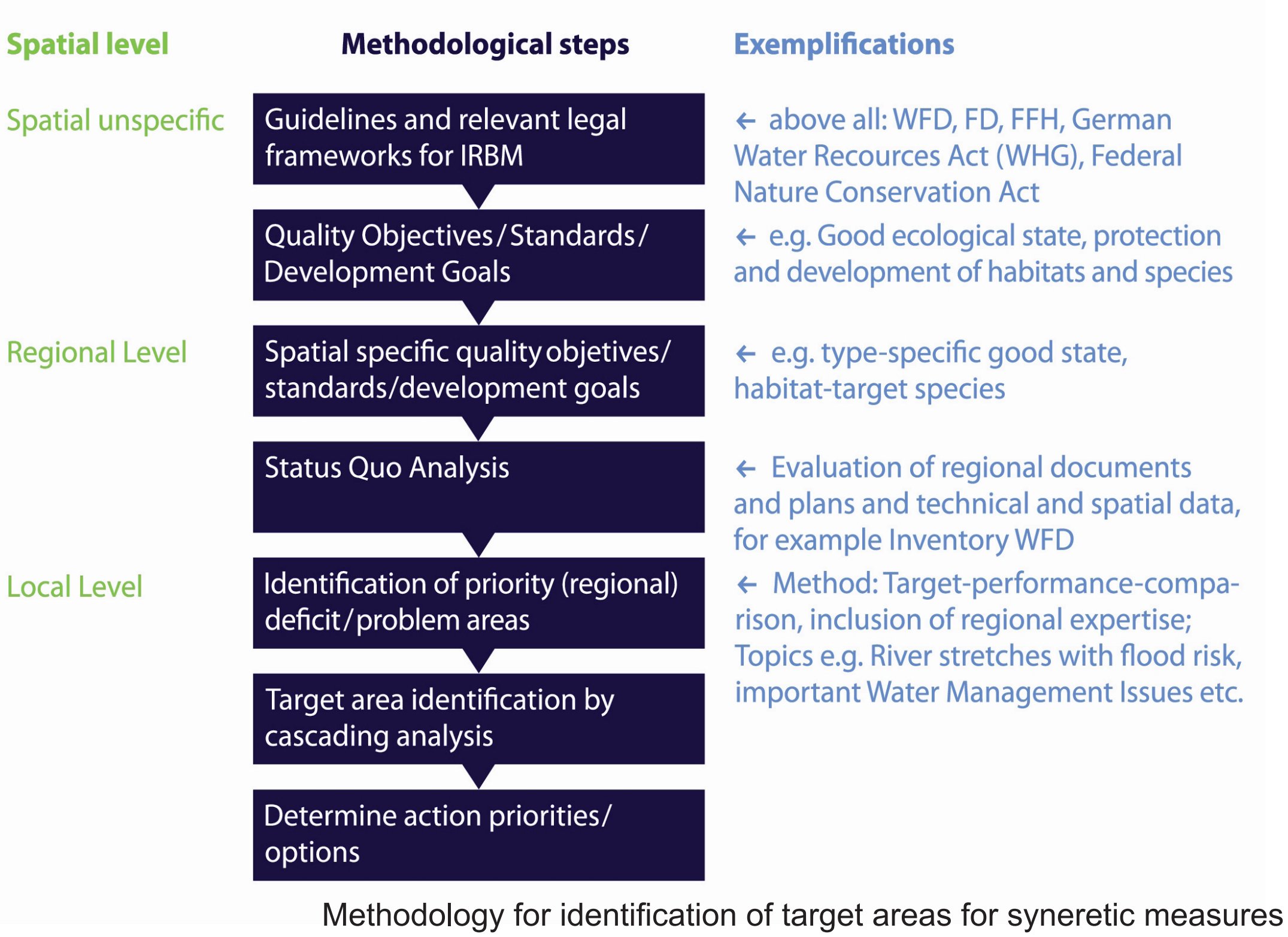
Philippe Arndt



Julia Mußbach



Impressions of River Ilmenau



Target analysis for increasing the retention capacity in the river network



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