

- Deliverable D 3.3.3 -

## WP 3.3 Elbe Basin

# Research agenda for the thematic work packages in WBs 1 and 2 defining the research to be carried out in the Elbe basin



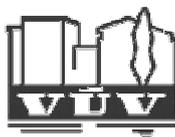
Elbe riverbank, Germany

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# 1. Work packages involved in the Elbe Case study and their expected contributions

The Elbe Case study expects support and fruitful cooperation with the following NeWater Work Packages:

- WP 1.1 Adaptive management regimes
- WP 1.7 Methods for the transition to adaptive management
- WP 2.1 Vulnerability assessment
- WP 2.2 Understanding the consequences of climate hazards and climate change
- WP 2.3 Resolving conflicts between water quantity, water quality and ecosystems
- WP 2.6 Scenarios and future trends in driving forces for IWRM
- WP 3.1 Stakeholder process

The Elbe Case Study expects the following contributions from these Work Packages:

WP	What is expected by the Elbe CS team
WP 1.1 & WP 1.7	<p>Methodological help and support in assessment on</p> <ul style="list-style-type: none"> <li>• current management regime,</li> <li>• information needed from research for transition to IWRM and adaptive management regime,</li> <li>• assessment of the possible ways and strategies for incorporation of climate change and climate variability into IWRM,</li> <li>• assessment of the possible ways and strategies of integration water quality and water quantity issues in IWRM,</li> <li>• analysis of the basin-wide process of integration of flood management and the implementation of the Water Framework Directive in the Elbe basin (*see more details below)</li> <li>• identification of major sources of uncertainty in IWRM and current approaches how to include them in IWMR and methods supporting IWRM (Task 1.1.3).</li> <li>• development of strategies for adaptive water resources management and transition to adaptive management regime in the basin.</li> </ul>

WP 2.1	Methodological help and innovative tools for vulnerability assessment and assessment of adaptive capacity to climate change in river basins
WP 2.2	Regional climate scenarios for the Elbe River basin
WP 2.3	Methodological help in assessment of the possible ways and strategies of integration water quality and water quantity issues in IWRM
WP 2.6	Scenarios of driving forces (land use, economy, population, etc.)
WP 3.1	Methodological help in the organization of the stakeholder process

**\*Analysis of the basin-wide process of integration of flood management and the implementation of the Water Framework Directive in the Elbe basin**

A contribution of WPs 1.1 and 1.7 to the analysis of basin-wide process of integration of flood management and the implementation of the Water Framework Directive in the Elbe basin is expected. Apart from the development on the basin scale, also possible influences on and of other spatial scales (regional, national, EU) will be taken into account. Special attention will be given to climate change and reactions to this uncertainty: for example, on how the management style changes due to possible new needs in the short- and long-term.

This part of the case study will be strongly linked to the Rhine case study (WP 3.2), where a similar question is dealt with at the basin level. Due to the discussion of a new flood directive on European level, the question of integrated management also gets a new impetus from this side.

Stakeholder interaction will consist in interviews with main actors of water management in the Elbe basin. Apart from that it is planned to observe ongoing processes in view of the interaction between flood management and WFD implementation.

## **2. Research and Action Tree for the Elbe Case Study**

The planned research and contribution of other Work Packages to the Elbe Case Study are also presented in the Research and Action Tree for the Elbe basin:

