



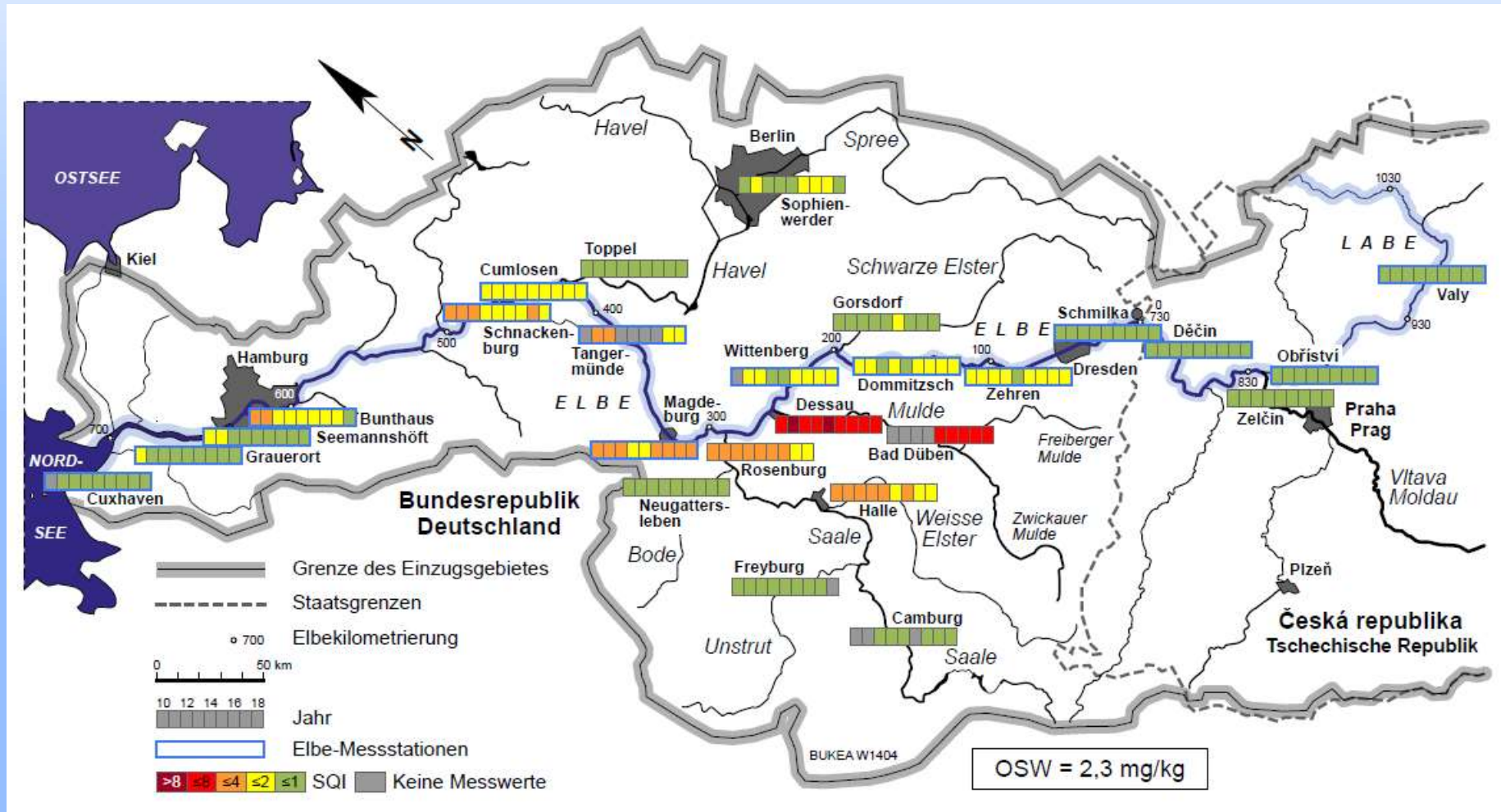
Sediment management concepts of the ICPER and the RBC Elbe - Status of their implementation in Germany

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Climate Protection of the State of Brandenburg*

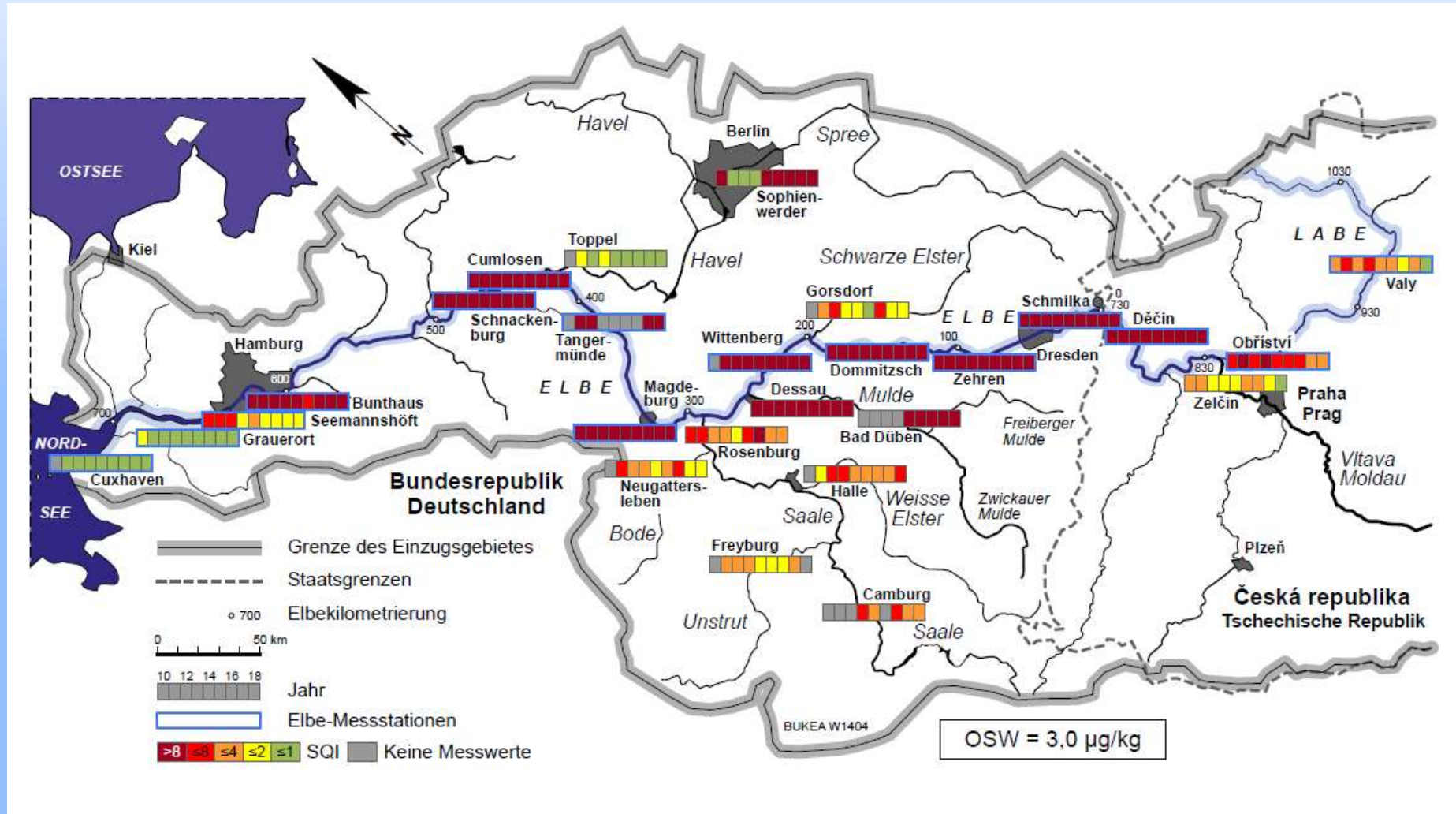
Structure of the presentation

- ❖ Examples of the development of the Sediment Quality Index (SQI) in the Elbe River Basin
- ❖ Federal/Länder Position Paper on April 2020
- ❖ 2. short report on SeMC-Implementation
- ❖ Ad Hoc Working Group „SeMC-Implementation“
- ❖ Cooperation project with the Federal Institute of Hydrology (BfG)
- ❖ ELSA project cost-benefit analysis

SQI for cadmium in the period 2010 - 2018



SQI for p,p'-DDT in the period 2010 - 2018



Qualitatives Sedimentmanagement an der Elbe - Aufruf zum Handeln in der Flussgebietsgemeinschaft

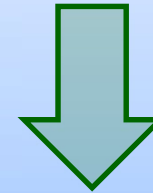


Hamburg, April 2020

Fields of action:

- Development of the basis for concrete measures including a methodology for cost-benefit comparison and cost allocation
- Inclusion of concrete remediation measures in the programme of measures for the 3rd management period
- ...

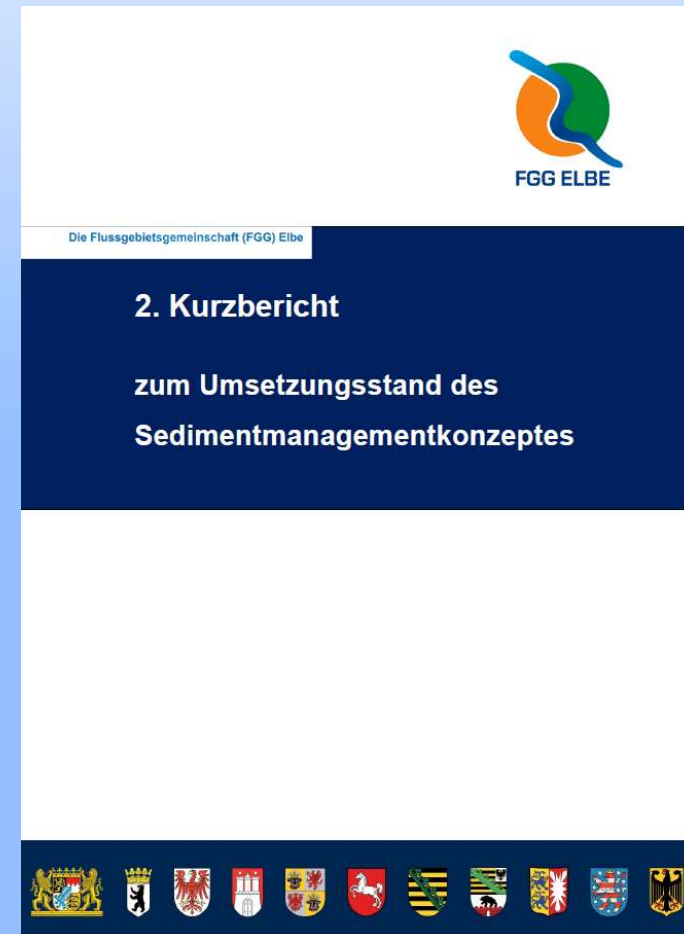
- ...
- Talks with the Czech Republic, in particular on the removal of particulate organic pollutants from the Elbe
- Development of a federal/Länder financing concept for remediation measures with supraregional significance
- Determination of further steps and deadlines for necessary concretization of measures



**Implementation of three
federal pilot measures
as learning and
documentation examples
for cooperative
collaboration**

2. short report on SeMC-Implementation (1)

- Publication in October 2020
- Naming of progress as well as obstacles and problems
- Explanations on monitoring and further implementation steps
- 18 profiles of measures of supraregional importance in Saxony, Saxony-Anhalt and Thuringia



2. short report on SeMC-Implementation (2)

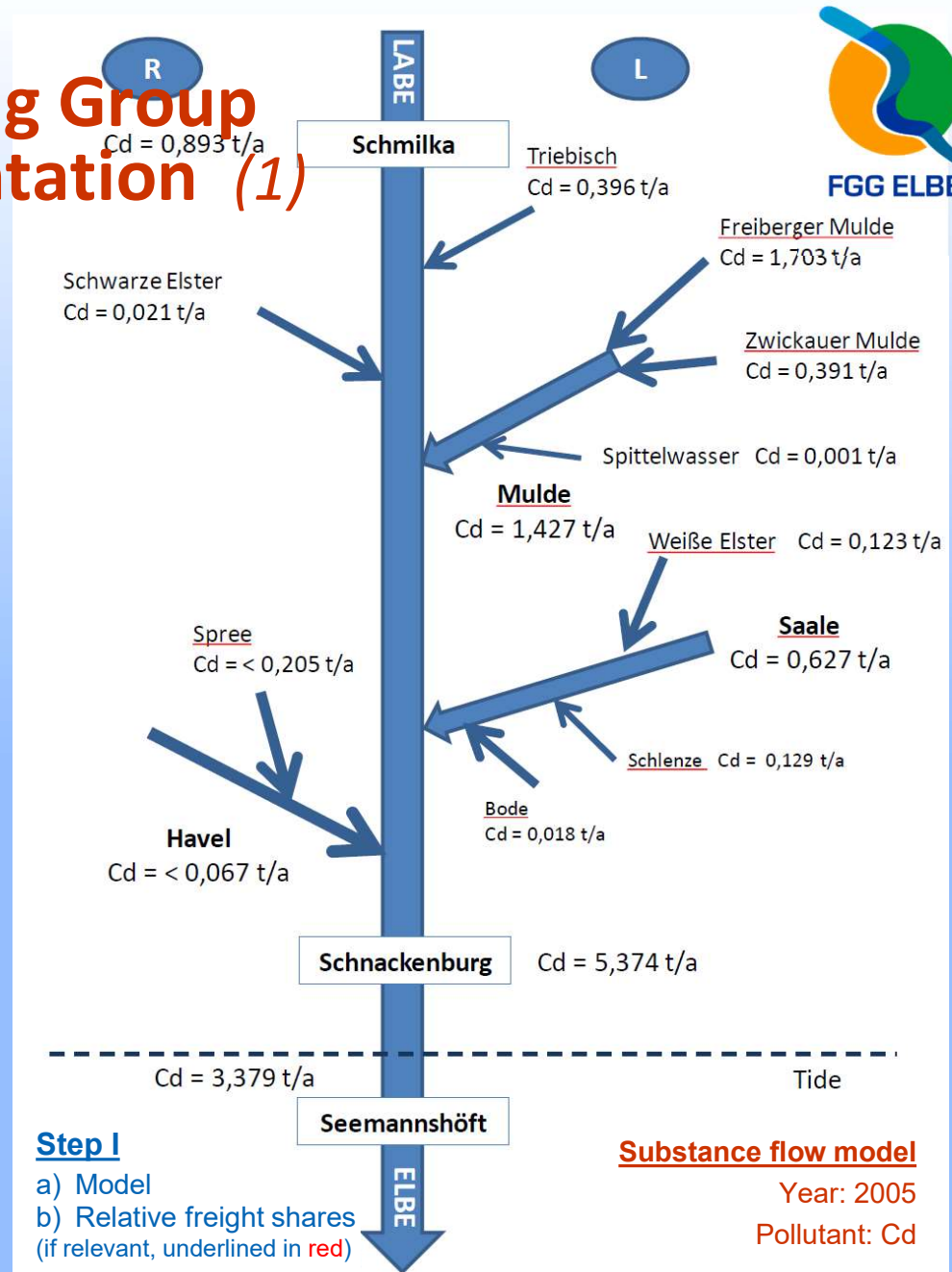
Measure Profile				Sequence number 2 SN	
Kurzbezeichnung <i>Flotation tailings of Davidschacht mining complex in Freiberg</i>		Federal State <i>Free State of Saxony</i>		Sub-basin <i>Freiberger Mulde</i>	
Improve status	X	Improve monitoring		Improve knowledge	
Field of action		Objective of the monitoring		Target range	
<i>Q3 Risk minimisation of contaminated sites</i>					
Time period <i>2012 until approx. 2035</i>		Status of implementation <i>Implementation in progress</i>		Measure type <i>25 (LAWA BLANO catalogue)</i>	
Financial requirements <i>approx. 5-10 million EUR</i>			Financing <i>Free State of Saxony, Owner</i>		
<i>Measure has to be considered in bundle with 1 SN</i>					
Concretisation of the measure / of the bundle of measures					
Long name <i>Remediation of the flotation tailings of Davidschacht mining complex in Freiberg; Follow-up project of the large-scale ecological project "Contaminated Sites Project SAXONIA"</i>			Surface water body (EU-Code) <i>DESN_542-3</i>		Reference measuring point <i>Estuary in Erlln</i>

Ad Hoc Working Group SeMC-Implementation (1)

Constituent meeting in
June 2020

Mandate:

- Substantive contributions for the WFD management plans 2022 - 2027
- Further development of the test scheme
- ...



Ad Hoc Working Group SeMC-Implementation (2)

Mandate:

- ...
- Development of an evaluation method for the effectiveness of (options for) measures, taking into account supra-regional targets
- Include the results of sediment management projects
- Identify a list of priority measures (options) and their costs by the end of 2022



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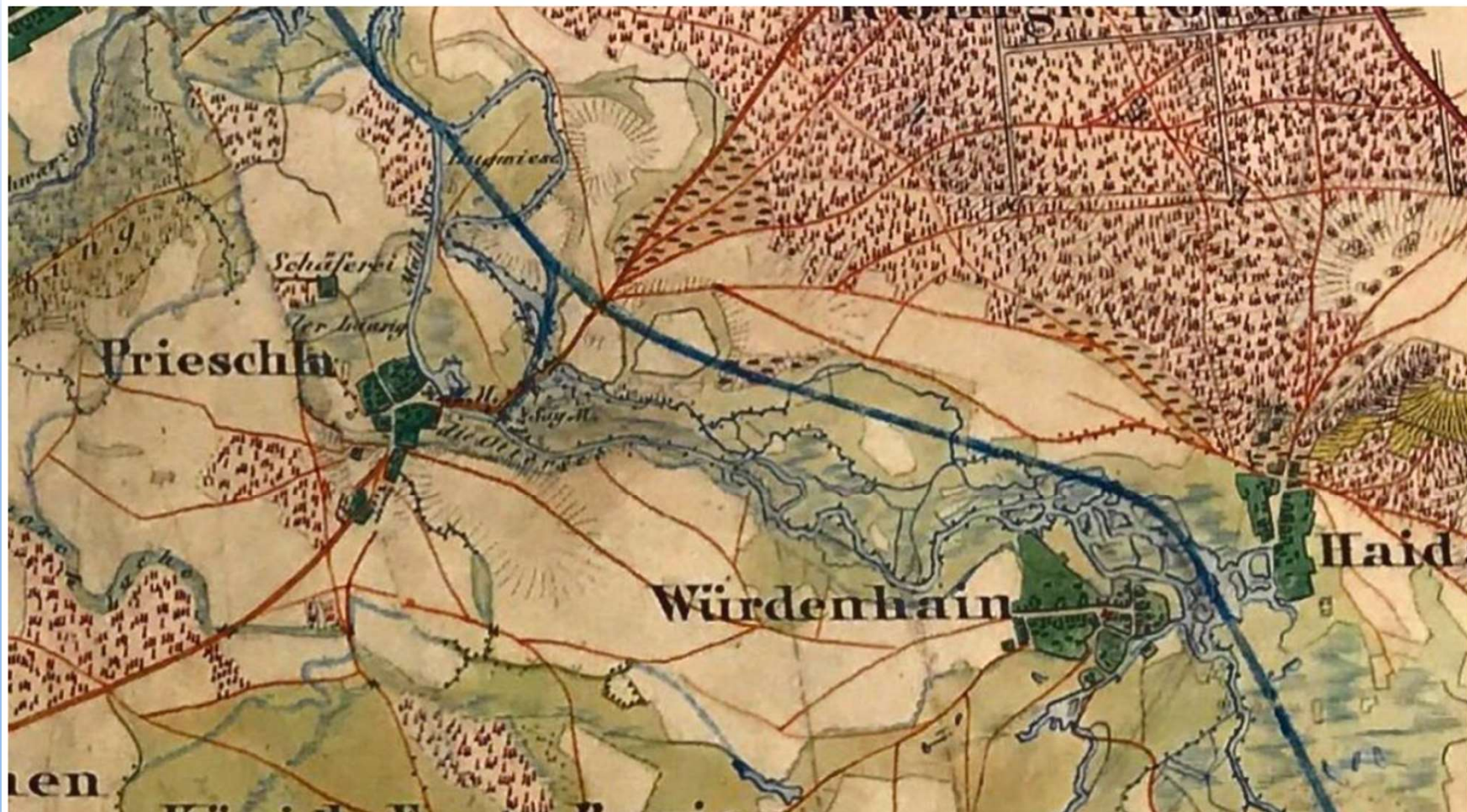
Cooperation project with the Federal Institute of Hydrology (BfG) (1)

- Conceptual analysis of two planned RBC projects (sediment continuity / balance and quantitative + hydromorphological aspects of exemplary Elbe tributaries)
- Results report is in the final voting stage



- Answering a catalogue of questions (e.g. reference condition for a "good" sediment balance)
- Archive research on 7 sample waters with partial data preparation
- Preparation of a follow-up project with application of the hydromorphological recording and assessment procedure **Valmorph**

Target: Specification of hydromorphological measures in relevant tributaries that have a positive effect on the sediment balance of the Elbe



Map of the course of the Black Elster River from Elsterwerda to Bomsdorf, 1850
(LASA Merseburg "C48 IX, Nachtrag Lit. G Nr. 125")

ELSA project “Cost-benefit analysis ...

... for the selection of cost-effective combinations of measures, as well as the determination of cost disproportionality of measures in the context of pollutant/sediment management in the Elbe catchment"

Phase 1a:	Development and testing of a methodology for a river basin-wide assessment
Phase 1b:	Modification of the methodology for the Elbe catchment using a fictitious example of a measure
Phase 2a:	Cross-user group data collection, in which the positive and negative impacts were further specified and quantified
Phase 2b:	Monetisation on the basis of the collected key data
Phase 3:	Application of the methodology to real measures



Thank you for your attention!