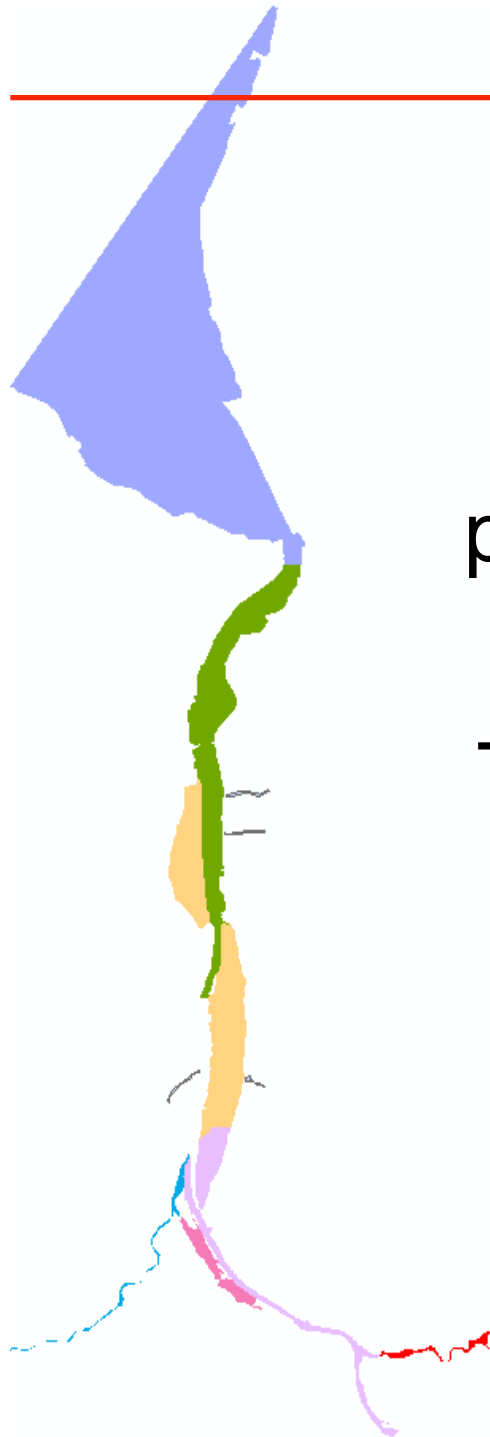




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# Tidal Weser and Estuary partners – issues - activities

## TIDE Project Partner Meeting

2.- 3. September 2009

## Weser: Tasks among actors

Actor	Key competency	TIDE contributions
<p>Free Hanseatic City of Bremen:  <u>The Senator for Economy and Ports (SWH)</u></p> 	<p>Legally responsible for the maintenance of port areas (dredging and dumping) and - in case of new projects - for all related environmental issues e.g. compensatory measures</p>	<p><b>Coordinator</b> for the Free Hanseatic City of Bremen (budget, reports, etc.); know-how about <b>legislative framework, maintenance and compensatory measures</b></p>
<p>Free Hanseatic City of Bremen:  <u>The Senator for Environment, City Development and Europe (SUBVE)</u></p> 	<p>Management of sites and water bodies according to WFD and NATURA 2000 e.g. Integrated Management Plan (IMP) Weser; implementation of measures; impact assessments</p>	<p>Exchange of experience with management practices, local estuary working group, monitoring, development of criteria for impact assessments as well as aims and visions for the estuary (<b>esp. Natura 2000</b>); <b>pilot measure „River bank“</b></p>
<p>Lower Saxony Water Management, Coastal Defence and Nature Conservation Agency (NLWKN)</p> 	<p>Development of aims and visions and implementation of measures according to WFD and NATURA 2000; Integrated Management Plan (IMP) Weser</p>	<p>Dito, but <b>esp. WFD</b>), <b>pilot measures „hard substrat“ and „shallow water“</b></p>
<p>University of Bremen</p> 	<p>Education and research on sediments and their management; international conferences and courses, training sessions and lectures</p>	<p>Collecting information on <b>hydromorphological interrelations</b>, cause-effect predictions; <b>project communication?</b></p>

# Nature conservation ...

## Examples of protected habitats and species in the Weser estuary

(HD Annex I)

- estuaries

(BD Annex I and migratory birds)

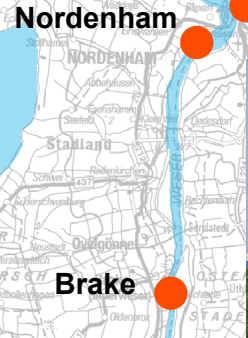
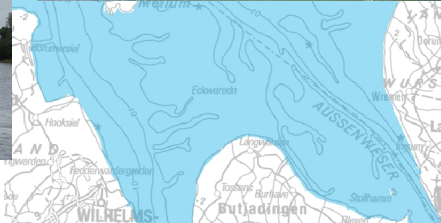
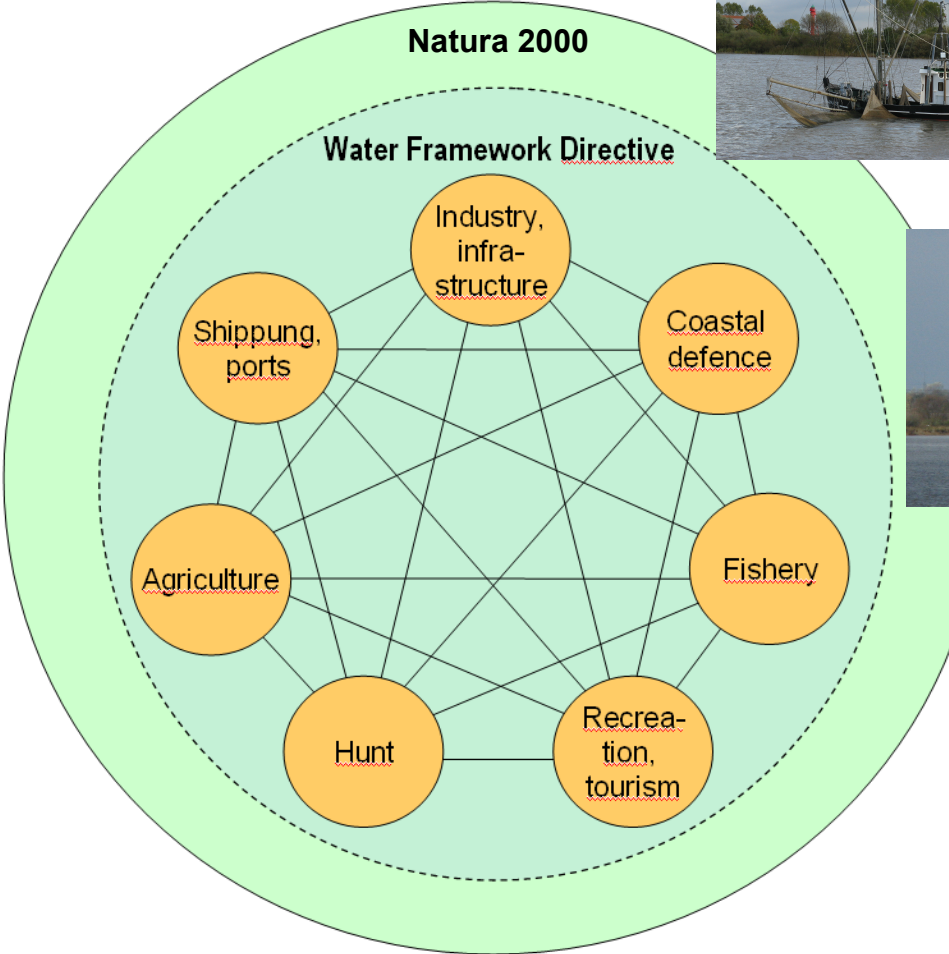
- Rohrdommel
- Nonnengans
- Säbelschnäbler
- Blaukehlchen

(HD Annex II)

- Meerneunauge
- Finte
- Flussneunauge



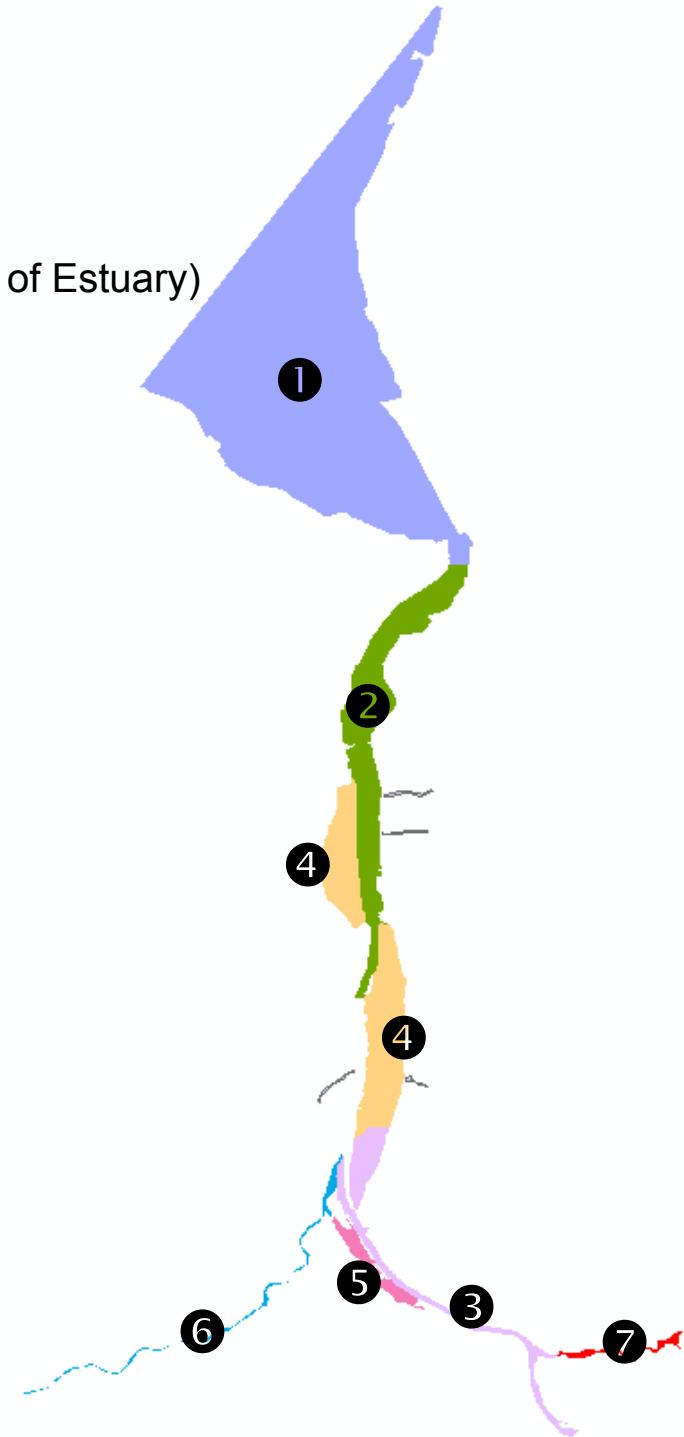
# ... and other public interests along the tidal Weser



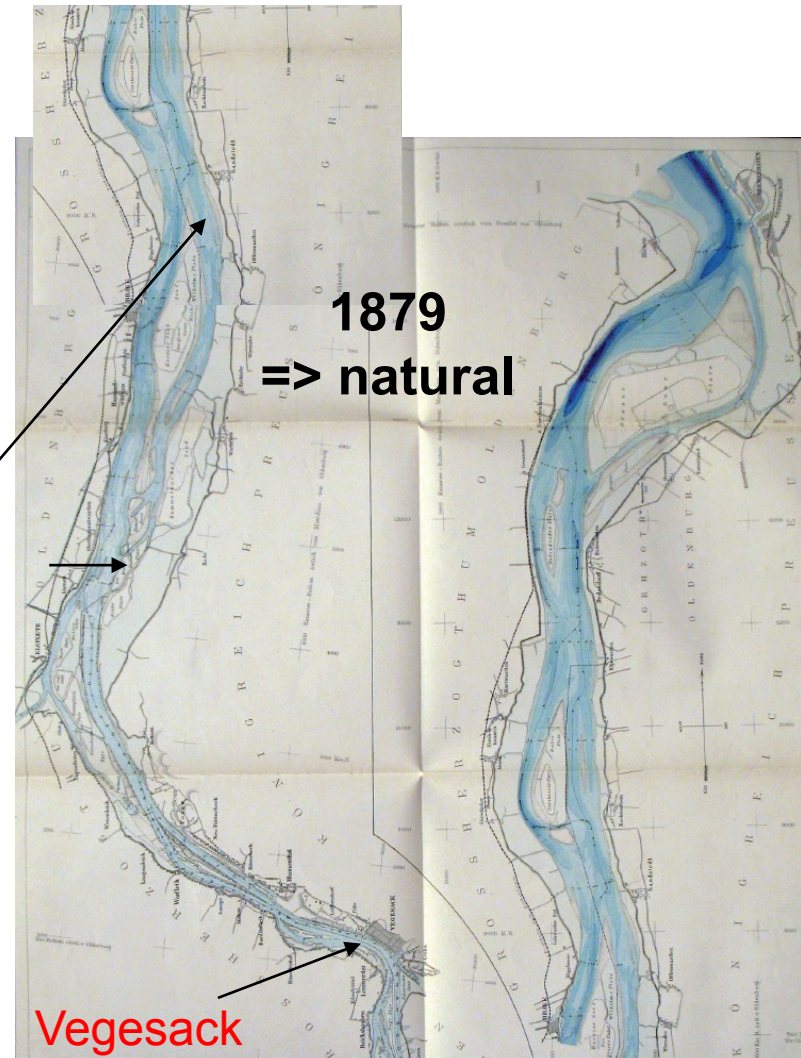
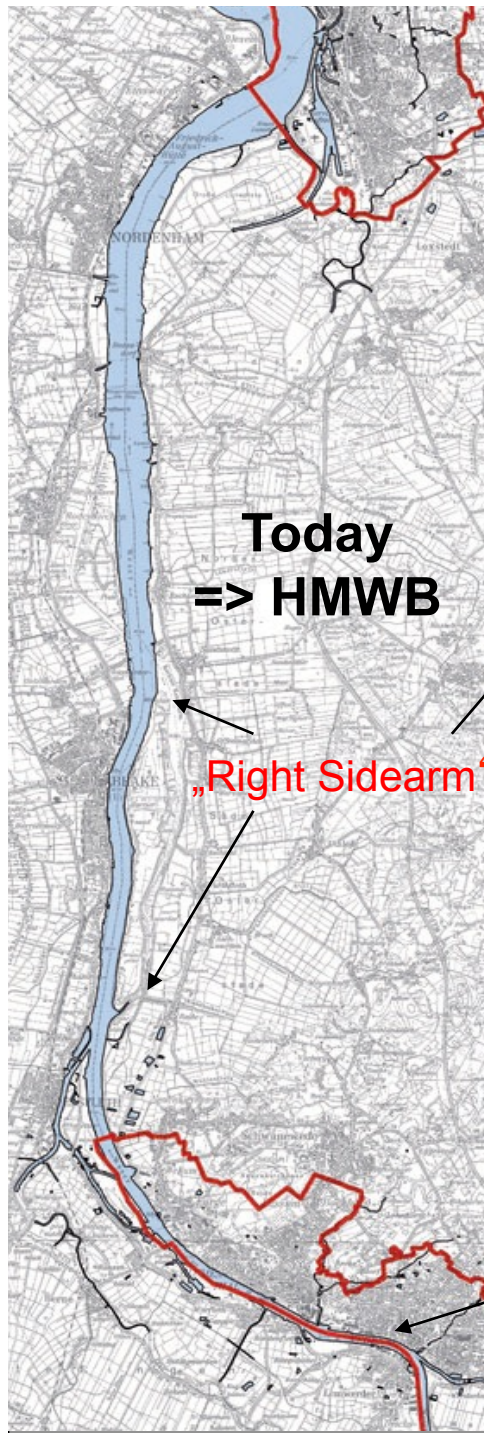


# Concept of functional zones in the planning area

- (1) Meso-/polyhaline zone – high to medium salinity (mouth of Estuary)
- (2) Oligohaline zone – low salinity
- (3) Limnic zone - freshwater
- (4) Branches of the oligohalin zone - low salinity
- (5) Branches of the limnic zone
- (6) Left-bank tributary Hunte
- (7) Right-bank tributary Lesum



## Historic reference status / Ecological potential (WFD)



**WFD:**

„Weser /  
Tidebereich oberhalb Brake“:  
(Ströme der Marschen)  
Ökologisches Potential 4  
(**insufficient** - unbefriedigend)

„Unterweser“  
Brake bis Grenze Binnen-/  
Seewasserstraße  
(Übergangsgewässer)  
Ökologisches Potential 3  
(**moderate** - mäßig)

2.- 3. September 2009



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NLWKN

## Historic reference status / Ecological potential (WFD)



## Main issues, problems, gaps ... (according to TIDE application annex)

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### All estuaries need an integrated management ...

because of potentially conflicting solutions for the requirements of:  
the HD, BD and WFD, the expansion of ports, the demand for maintenance dredging  
and the mitigation of climate change effects.

### Main management gaps stated for all Estuaries:

- too much **sectoral planning**, (*Weser: integration of WFD and Natura 2000 is going on*)
- **participative approach**, methods, experience missing (*who is interested? Capacities?*)
- **public acceptance** (*probably problematic because of intense land use*)
- **conflicting conservation goals** (*e.g. dynamics vs. status quo of high value*)
- ...

### Main issues added for the Weser:

- Lack of coordination of **maintenance measures**
- permanent body for **cross border consultations** missing (*also with federal waterway authority*)
- **communication with the public**: strategies missing
- sedimentation processes not properly predictable

## Activities planned within TIDE

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### Application annex (all estuaries):

- Identify knowledge gaps
- study on hydro-morphological interrelations
- capacity building campaign



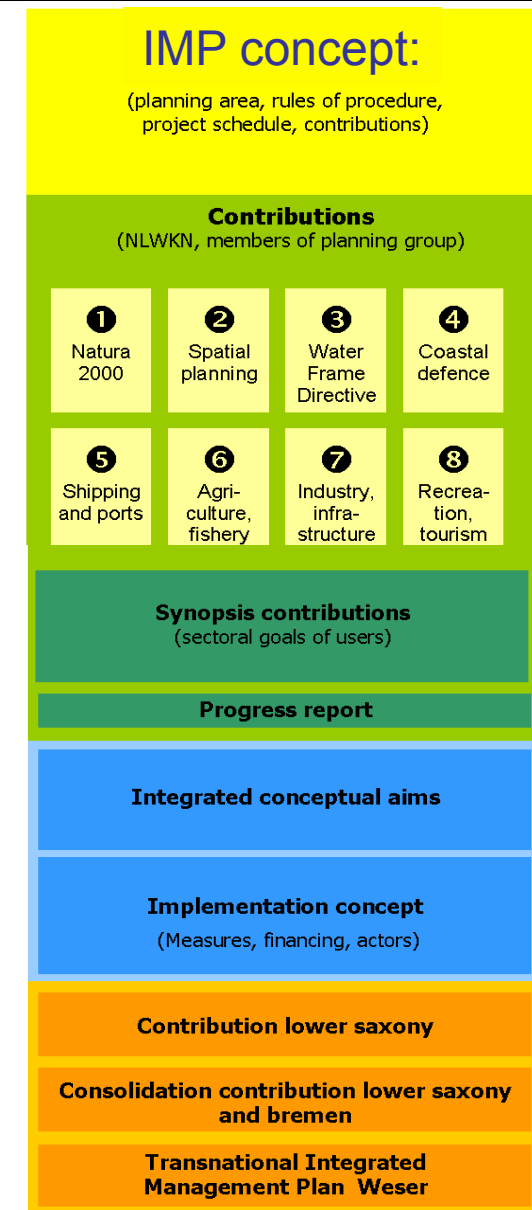
- Topic: Sediment management as part of IMP-process,  
Focus on quantity and quality of sediments, suspended matter and water
- Aim: Improve effectiveness of policy and provide instruments for regional development
- Steps: Identify points to be considered in sediment management (state-of-the-art-study)
- Describe recent sediment management in the Weser Estuary
- Evaluate existing reports/publications on sediment management in the Weser Estuary
- Compare state of the art with existing sediment management concept
- Exchange within TIDE
- Strategies to fill future gaps – (if identified)

# Activities planned within TIDE



## Application annex:

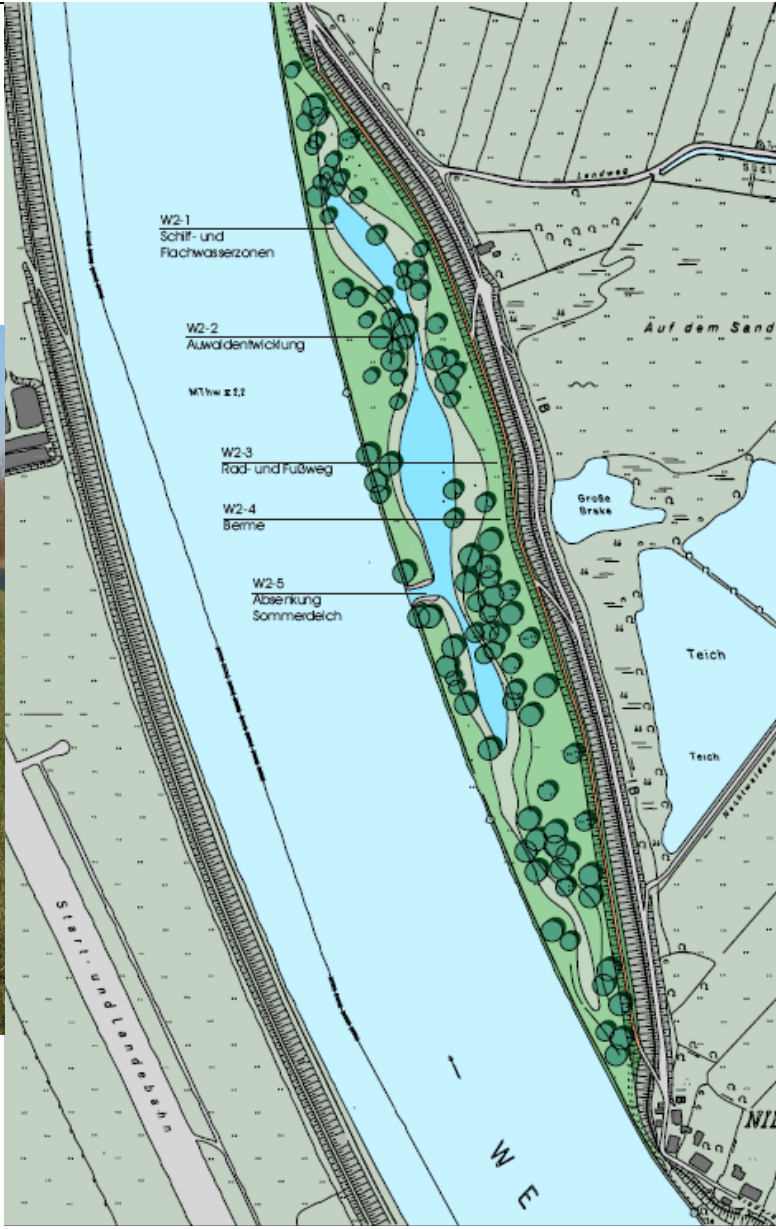
- reinforcement of existing working groups
- revision of the IMP and of monitoring concepts
- new communication strategies
- mitigation against effects of climate change
- pilot measures (feasibility studies)



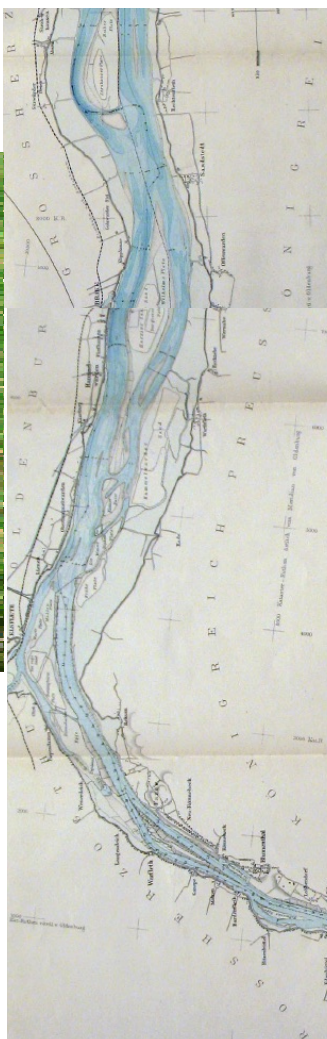
# Activities planned within TIDE



## Pilot measure 1: Renaturalising of disturbed river banks



## Activities planned within TIDE



Pilot measure 2:  
Revitalisation of shallow water habitats along the Weser back water (investigations on possible measures; area not yet specified)

Pilot measure 3:  
Regeneration of hard substrate ecotopes in the sublitoral



## More information ...

Nur Text > Kontakt > Impressum > Datenschutz

Suche  Portal Niedersachsen

Niedersächsischer Landesbetrieb für Wasserwirtschaft, Küsten- und Naturschutz  
**NLWKN**

Portal U Niedersachsen

Aktuelles Wasserwirtschaft Naturschutz Hochwasser- & Küstenschutz Andere Themen Wir über uns Service

Pfad > Home > Naturschutz > Natura 2000 / Biotopschutz > Integrierte Bewirtschaftungspläne Ästuare > Weser-Ästuar

Integrierte Bewirtschaftungspläne Ästuare  
> Elbe- Ästuar  
> Weser- Ästuar

Integrierter Bewirtschaftungsplan Weser-Ästuar

Das Weserästuar und die Unterweser wurden als hochkomplexer Naturraum v "besondere Schutzgebiete" nach der Fauna-Flora-Habitat-Richtlinie (FFH-Richt europäischen ökologischen Netzes Natura 2000.

Neben den naturschutzrechtlichen Ansprüchen unterliegt die Tideweser einer \ insbesondere durch die Weserhäfen, einen Wirtschaftsraum von herausragen: Industrieansiedlungen sowie die Landwirtschaft, die Fischerei, den Hochwass

[www.nlwkn.niedersachsen.de](http://www.nlwkn.niedersachsen.de)

Bremer Senat

Der Senator für Umwelt, Bau, Verkehr und Europa  
**Bremens** Verwaltung online

Suchbegriff eingeben

Startseite  
Abfall  
Boden, Altlasten  
Energie, CO2-Minderung  
Klimaschutz  
Luft, Lärm, Mobilität, Chemikalien-Klimaschutzverordnung  
Natur  
Aktuelles

Natur → Integrierter Bewirtschaftungsplan Weser (IBP-Weser)

Integrierter Bewirtschaftungsplan Weser - IBP Weser

Weser und NATURA 2000

Das Weserästuar und die Unterweser wurden als hochkomplexer Naturraum von den Landesregierungen Bremens und Niedersachsens in großen Teilen als "besondere Schutzgebiete" nach der Fauna-Flora-Habitat-Richtlinie (FFH-Richtlinie) und der Vogelschutzrichtlinie gemeldet und sind damit Bestandteil des europäischen ökologischen Netzes Natura 2000.

[www.umwelt.bremen.de](http://www.umwelt.bremen.de)

