

# Kristianstads Vattenrike Biosphere reserve



BR since 2005

- Nature 2000
- Ramsar sites
- Many nature reserves
- KVR BR hosts 20% of all redlisted species in Sweden

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# Vattenriket- rich in water

large differences in amplitude of the water level +1,40 m

## Summertime



## Wintertime



# The catchment area of River Helge å

Catchmentarea: 4 750 km<sup>2</sup>  
In KVBR 1 100 km<sup>2</sup>

Hydro power-  
problems with fish migration

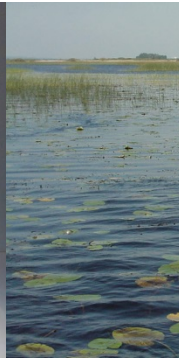
Woodland-  
conifer

High intensity agriculture

Coastal tourism

# Challenges/Problems

- Eutrophication due to leakage of nutrients (nitrogen and phosphorus) agriculture and forestry (sea, lakes, rivers)
- Brownification caused by leakage of TOC, Fe and humus (sea, lakes, rivers, drinking water)
- Fragmentation of stream habitats due to hydropower (recent and historical)
- Destroying ecosystem services





# How do we work

- Dialogue and cooperation with landowners
- Re-/constructing wetlands
- Information and networking
- Inventory studies
- Cooperation with researchers
- Highlight the ecosystemservices in the biosphere reserve



# Deadlocks

Economical/Financial/Political:

- \* Complex systems...
- \* A sustainable Baltic Sea requires cross-border cooperation
- \* Need more interested researchers (ex brownification)
- \* Great economical values in agriculture and forestry
- \* Availability of public grants
- \* Find interested landowners

