

....HYPOX partner institutions

Partner 8:

IOW (Warnemuende, Germany)



....HYPOX partner institutions: IOW

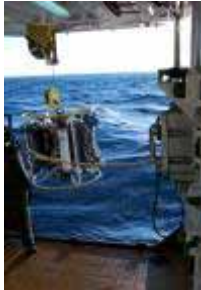


**Leibniz-Institut für Ostseeforschung Warnemünde**

[www.io-warnemuende.de](http://www.io-warnemuende.de)



## The Departments



### Physical Oceanography



Currents  
Turbulence  
Mixing processes



### Marine Chemistry



Pollutants (natural and anthropogenic)  
Nutrients  
Carbon cycle and trace gases



### Marine Biology



Marine organisms and their nutritional relations  
Ecosystem function  
Microbiology



### Marine Geology



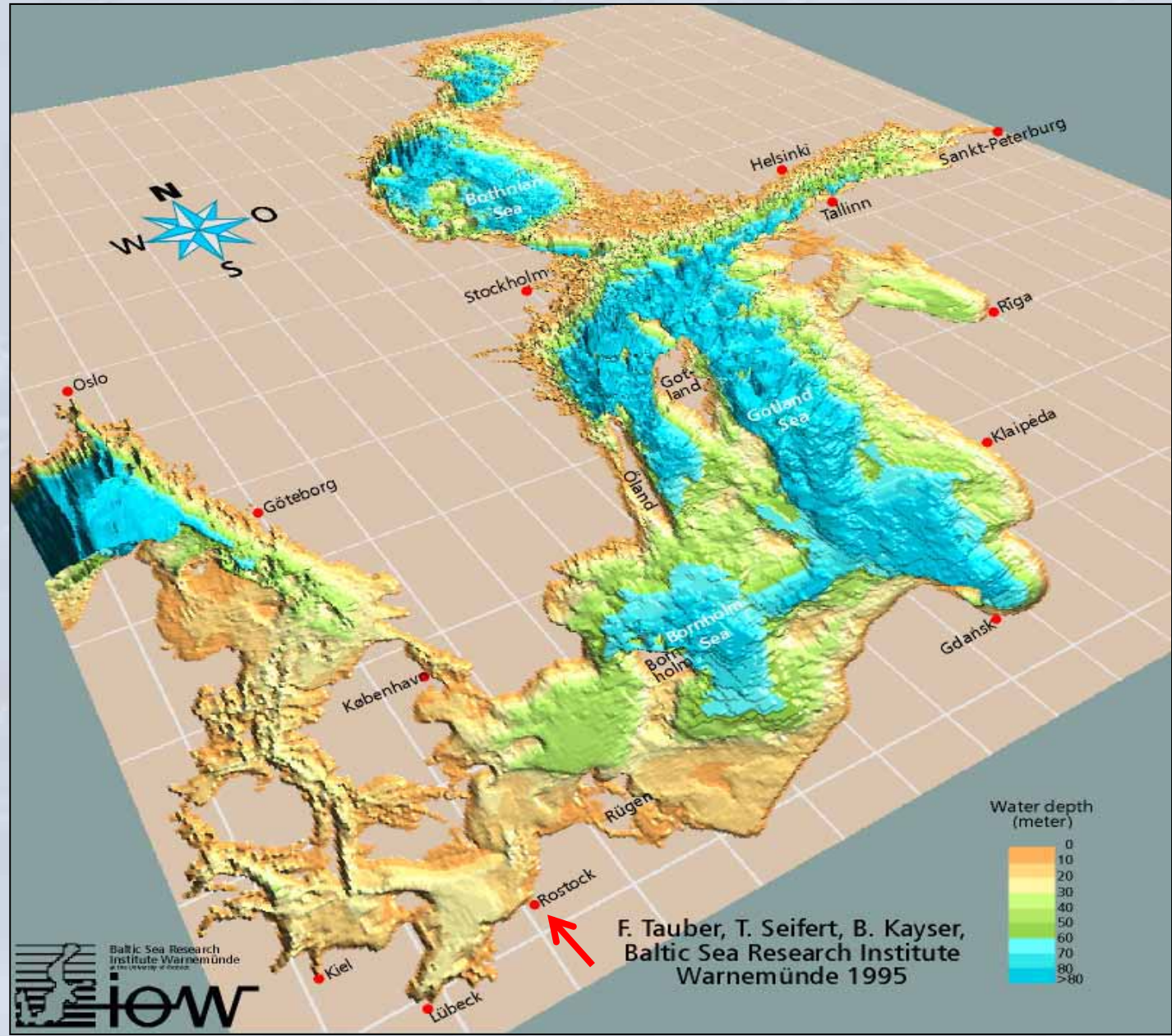
Sediments  
Reconstruction of earlier environmental conditions

## IOW in numbers

- Founded: 1992
- Staff: ~ 170
- Total budget: approx. 12,7 Mio Euro
- Third party funds: ~ 2,2 Mio Euro



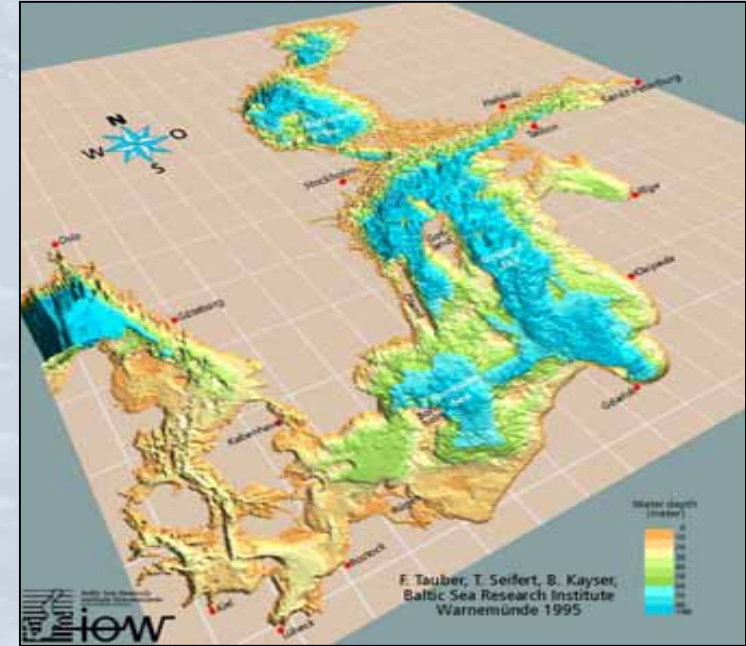
# Key Research Area: The Baltic



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# IOW in the Baltic

- Long-term monitoring
  - > 5x per year sampling
  - > 3 MARNET stations
- Modelling capacity
  - > Advanced ecosystem model
  - > Modular turbulence solvers
- Institute's ship dedicated to the Baltic Sea
- Special instrumentation
  - > Pump-CTD
  - > Falcon ROV
- Variety of research activities through all disciplines
  - > Nutrient balance, carbonate system, trace gases
  - > Redoxcline processes (electron transfer, microbiology, mixing)
  - > Sediment flux and proxy formation ...

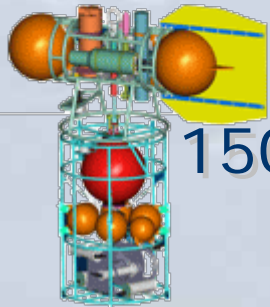
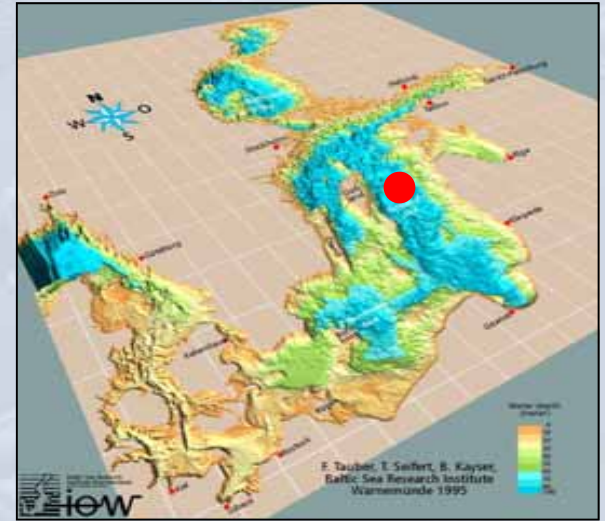


....HYPOX partner institutions: IOW

10 m

Main HYPOX activity:  
Permanent profiling  
station

Underwater winch



150 m



Profiler

