

....HYPOX partner institutions

Partner 8:

IOW (Warnemuende, Germany)



....HYPOX partner institutions: IOW

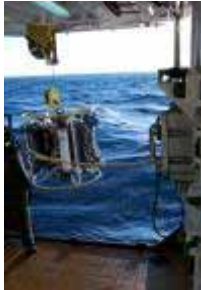


Leibniz-Institut für Ostseeforschung Warnemünde

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

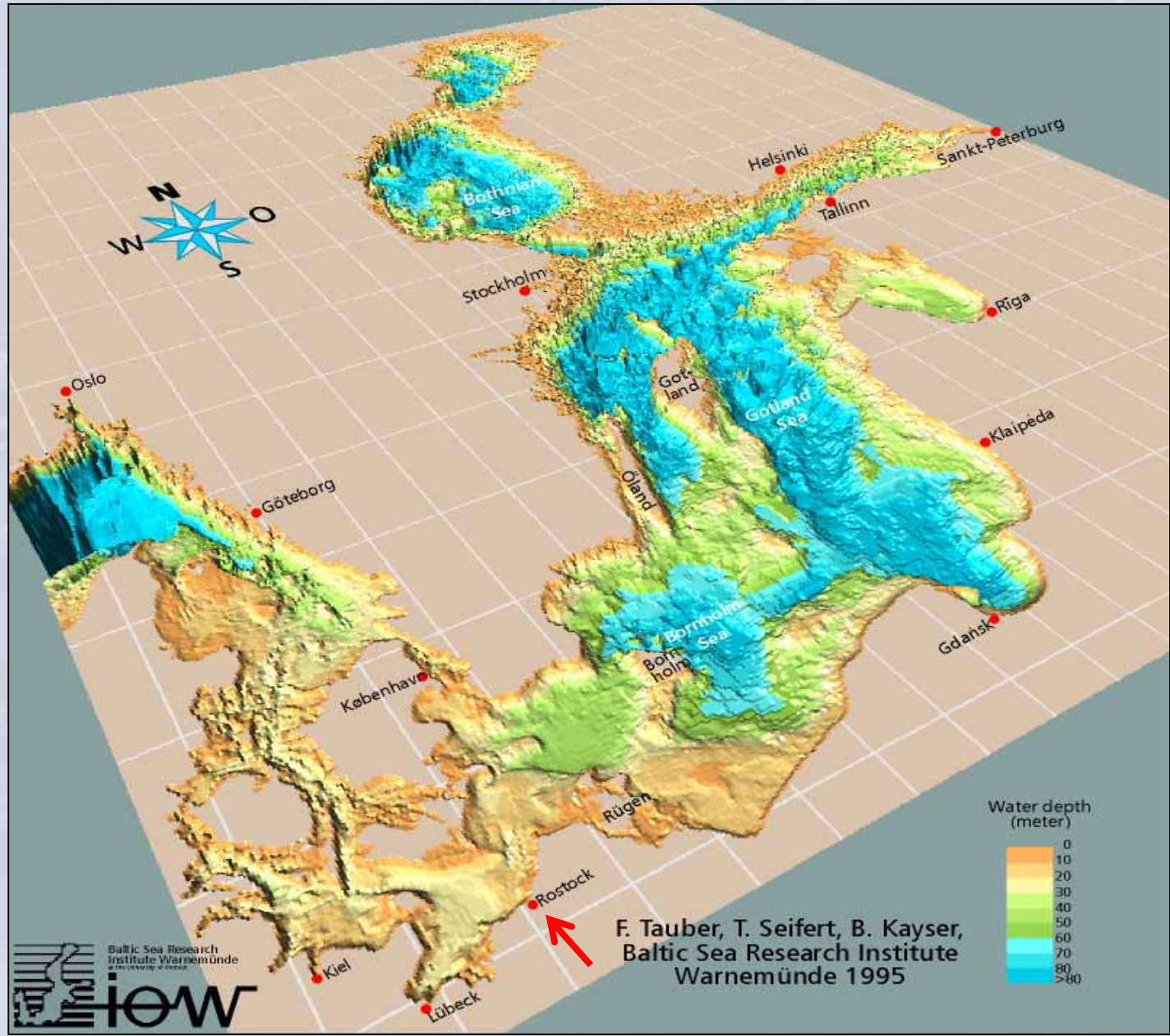
IOW in numbers

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





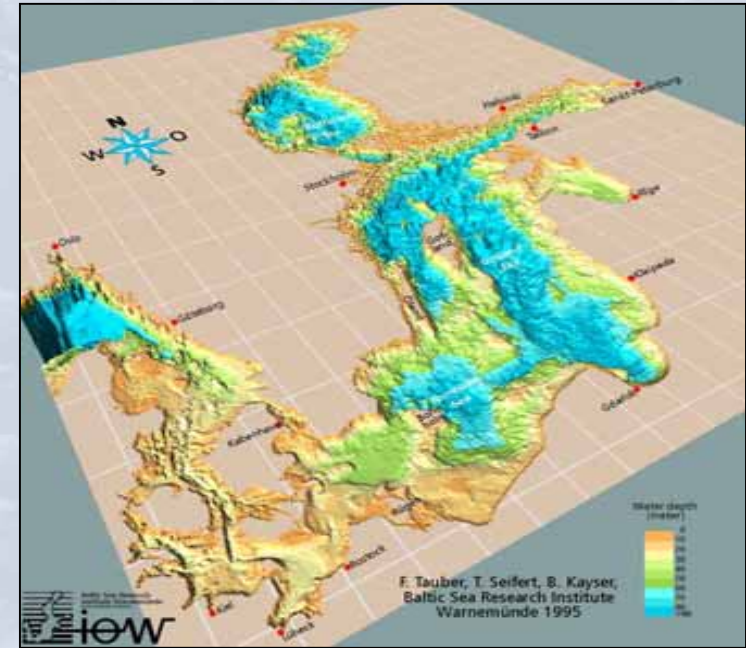
Key Research Area: The Baltic



....HYPOX partner institutions: IOW

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 ...

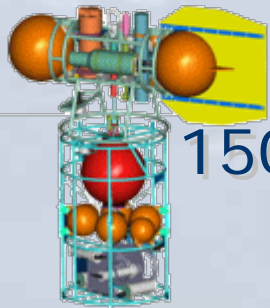
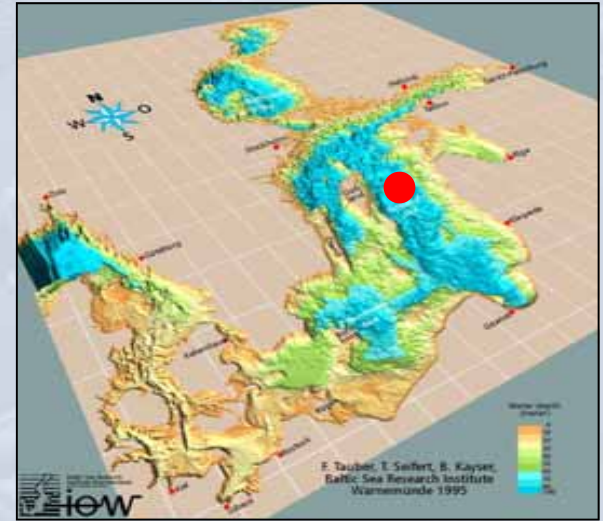


....HYPOX partner institutions: IOW

10 m

Main HYPOX activity:
Permanent profiling
station

Underwater winch



150 m



Profiler

