

**Workshop on estuarine and coastal research - 08.09.2008**

**Agenda**

- 10:00 - 10:10    Geschäftsführer Jens Meier  
Welcome and Overview of the Hamburg Port Authority
- 10.10 - 10.15    Welcome Hans von Storch, GKSS
- 10.15 - 10.30    Overview SKLEC, Pingxing Ding
- 10.30 - 10.40    Overview BAW, Harro Heyer
- 10.40 - 10.50    Overview Landesbetrieb, Gabriele Gönnert
- 10.50 - 11.00    Overview BSH, Bernd Brügge
- 11.00 - 12.00    State Key Laboratory for Estuarine and Coastal Research
- Storm surge modeling in Yangtze estuary and neighboring area
  - Scour and silting modeling of Yangtze estuary waterway
  - Bottom sediment transport in the deep water navigation channel, Yangtze estuary, China
  - Retrieval of suspended sediments concentration of Yangtze estuary and its neighboring region from satellite remote sensed images
- 12.00 - 12.30    Hamburg Port Authority
- Development of the lower reaches of the River Elbe and Concept for the Tidal River Elbe - Proposal for an Integrated Estuary Management, Manfred Meine
  - Design and construction of a sediment trap in the Elbe estuary near Wedel as a tool for a new sediment management, Nino Ohle
- 12.30 – 13.15    Lunch
- 13.15 – 14.00    Bundesamt für Schifffahrt und Hydrographie
- The new operational circulation model of BSH using general vertical co-ordinates, Stephan Dick
  - On direct tides, Sylvin Müller-Navarra
  - Simulation of oil drift and dispersion in the North Sea and the Baltic Sea, Stephan Dick

14.00 – 14.45 Bundesanstalt für Wasserbau

- Analysis of the Storm Surge on November 1st 2006 in the Ems Estuary, Elisabeth Rudolph
- [Details on Numerical Simulation and Analysis of Sediment Transport Processes in the Ems Dollard Estuary](#), Holger Weilbeer
- Measurement of suspended sediments in tidal rivers using underwater acoustics, Christian Maushake

14.45 – 15.15 Coffee break

15.15 – 16.00 Landesbetrieb Straßen, Brücken und Gewässer

- Empirical Storm Surge Modelling in the North Seas and practical use of it: The storm surge dimension level in Hamburg, Gabriele Gönnert:
- Urban flood management in the city of Hamburg, Dipl. Geogr. Dieter Ackermann: -
- Precipitation - runoff - models as an instrument of urban flood management , Dipl. Ing. Frank Nohme:

16.00 – 16.45 GKSS

- Dynamics of Suspended Particulate Matter in the Elbe Estuary, Jens Kappenberg
- Towards a homogeneous 50 year climatology of typhoons in SE Asia, Hans von Storch
- Wind waves as natural hazards - operational wave forecasting of extreme storms in the North Sea, Arno Behrens

16.45 Concluding Discussion