



Contribution ID: 12

Type: **not specified**

Data Management in the Coastal Observing System COSYNA

Thursday 26 March 2015 12:15 (45 minutes)

The Coastal Observing System for Northern and Arctic (COSYNA) aims to describe the physical and biogeochemical state of a regional coastal system. A multitude of measurements devices combined with modelling systems help to gain a comprehensive picture of the state of the North Sea. The data management challenges for a complex system like COSYNA lie in combining diverse data sources like in-situ time series of point-observations with observations of moving platforms, remote sensing platforms and model output.

These challenges are met by employing a metadata system that describes instruments and datasets in a highly standardised way. A data portal based on web-services allows a comprehensive retrieval and analysis of data sets of such highly diverse nature.

The presentation will illustrate the concepts underlying the processing and management of the data and give examples for data visualisation within the COSYNA data portal CODM.

Presenter: BREITBACH, Gisbert (Helmholtz-Zentrum Geesthacht)