

## Original

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## A new Approach in Data Management for an Integrated Coastal Observation System

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## The Objective

A modern coastal observation system like COSYNA shall present a complete and exact image of nature to the user by means of data-taking, -processing, and - storing, and finally compiling and presenting 'products'.

This task is assessed by mapping the manifold parameters from satellites, shore based remote sensing, Ferryboxes on ships of opportunity, land stations, wadden sea poles, buoys, gliders, under water nodes and others to CF standard names where possible to make them intercomparable. The mapping details are part of the metadata.

This implementation of the COSYNA data mangement system allows specific users a comprehensive view by maps, plots, and data download.





The metadata based portal offers a spatialtemporal search interface for observed or modelled properties. The results could be visualised as maps, plots or could be downloaded as data file.





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