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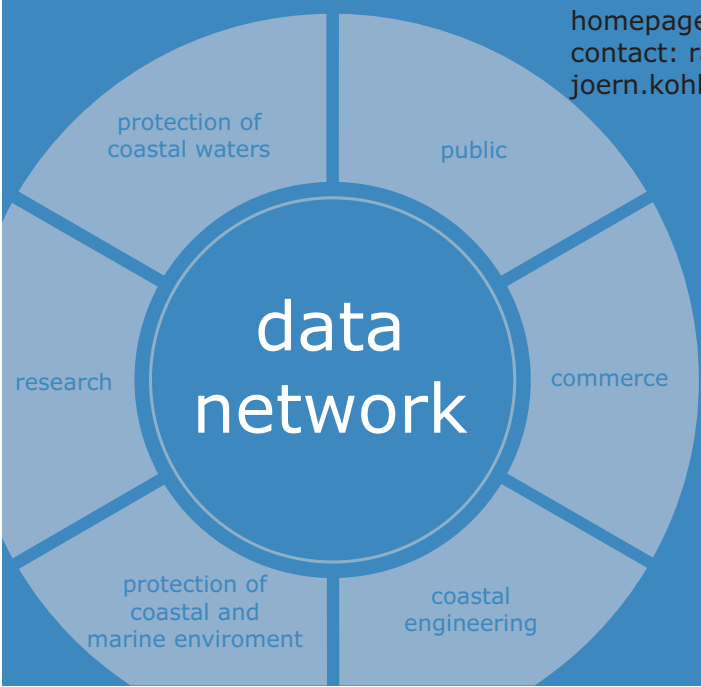
NOKIS –

knowledge management
in a network of metadata

The successful management of the coastal zone as well as sustainable protection of the marine environment is reliant on the exchange of knowledge and experience. Information from digital data available from different research institutes, public authorities or third parties must be transparent and accessible for all concerned. This is where NOKIS comes in. With the help of metadata NOKIS establishes a network of the distributed knowledge by forming a virtual library on coastal subjects and thus secures an effective flow of information. Following three successful years as a project and the construction of a metadata infrastructure, NOKIS is now entering its second stage.

Now NOKIS will be buildt up to a gateway of coastal data. Geo data, time series and models will be described by metadata. Web services create views of data and support users during analysis. Since autumn 2004 NOKIS has received grants from two research and development projects of the German Federal Ministry For Education and Research. In addition the partners in the coastal zone are highly committed to contributing to its development.

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Find fast

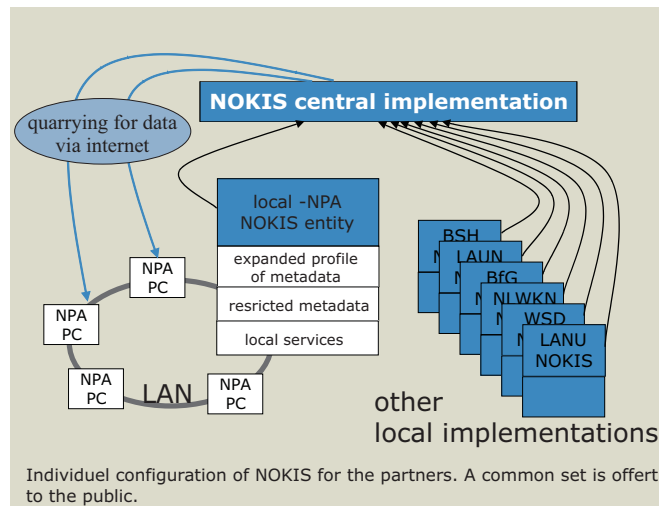
NOKIS structures detailed knowledge with key words. A fast and focused search is enabled using specified key words instead of unspecific full text searching. NOKIS guides users with an easily understandable search screen and a thesaurus - a mulit-language dictionary that uses all relevant key words.

Added Value

NOKIS not only improves data research but also develops technical solutions for further processing of the available data. Its strategy tools enable the co-ordination of measuring activities or merging of data to satisfy, for example, reporting duties. Integrated conversion tools facilitate data comparison. These technical solutions all focus on the ideas and requirements of the participating partners to provide a user-friendly information infrastructure.

Higher profile

NOKIS will be expanding its metadata structure. Separate fields of coastal hydrography, the Water Framework Directive or remote sensing will be included. NOKIS will offer metadata profiles for all relevant aspects of the coastal zone, which will be mutually adjusted



and interconnected. These profiles will be continuously developed according to the needs of the partners.

Concise description

The spatial reference of information plays a central roll on the coast. Therefore NOKIS will support the data search not only via technical terms, but also via map references with a gazetteer. Whoever searches for measuring data for example for the Medemsand will find it there. Since the shape of the coast is subject to temporal and spatial changes, these are taken into consideration in the NOKIS gazetteer.

Improved synergy including

The whole is more than just the sum of its parts. In NOKIS, therefore, representatives from federal and coastal states' administrations as well as research institutes and commerce are involved in establishing common solutions for an integrated coastal information system. Every participant profits from the development of technologies by the other. NOKIS is implemented by individual configured systems: local additions of the metadata structure and the management of user rights make NOKIS your local documentation and management tool. A central instance offers you data from all participants.

NOKIS++

information infrastrucstur for
integrated coastal management

office for the
nationalpark of
Schleswig-Holstein
waddensea

