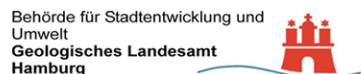


# Cooperating partners

Numerous partners cooperate within the project ranging from research institutions to industries and public authorities, which contribute to a comprehensive examination of the German North Sea area.

VORWEG GEHEN



[www.geopotenzial-nordsee.de](http://www.geopotenzial-nordsee.de)



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## Geo-Scientific Potential of the German North Sea

- Geopotenzial Deutsche Nordsee (GPDN) -

Acquisition and provision of basic geo-scientific information to support a sustainable development of the maritime economic and natural area of the German North Sea

A joint cooperation of:



# Aim of the GPDN Project

The Wadden Sea has recently been appointed as UNESCO Natural Heritage. The German North Sea area not only comprises this unique and valuable fragile ecosystem but simultaneously marks an intensively used economic region, which offers new perspectives for the economic development of northern Germany.

Within the framework of the joint GPDN-Project the partners

- Federal Institute for Geosciences and Natural Resources (BGR)
- State Authority for Mining, Energy and Geology (LBEG) and
- Federal Maritime and Hydrographic Agency (BSH)

elucidate basic geo-information about the still largely unresolved geological origin and structural setting of the German North Sea area.

■ Cooperation with research institutions and industry partners complements the information acquired and provided by the project.

■ The aim of the project is to identify potential for a sustainable development of the economic region German North Sea. These include the availability of resources, in particular oil and natural gas, as well as basic information for planning of offshore wind farms, submarine cables, planning of pipelines and cable trenches and the geological storage of energy and CO<sub>2</sub>.

■ This knowledge is indispensable for a sustainable development of the North Sea area and also marks an essential contribution to spatial planning, economic use and protection of the marine environment.

# Project modules



■ The project is subdivided into six technical modules, all closely connected in terms of content.

## Geo-Potential of the German North Sea

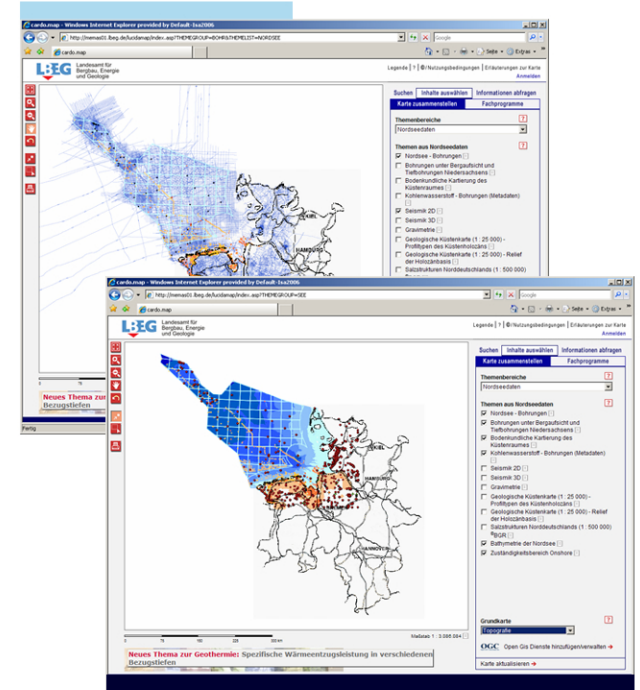
- A** Geological structural model of the North Sea area
- B** Sedimentary & mineral deposits, ground properties of the shallow subsurface
- C** Sea-level development and geological framework
- D** Assessment of the hydrocarbon potential
- E** Storage capacity of the North Sea area
- F** Geo-Information System North Sea

The **range of module activities** comprises

- derivation of the scientific base
- data interpretation and processing, and
- user-related product development.

■ By means of coordinated cooperation of the project's modules and through the partner's specific know-how a broad scientific base is provided, and information about geological structures of the North Sea's underground are made accessible.

# Products



■ The compiled and processed data will be presented in form of web-based, user-oriented products and made accessible for the private, business and research sector, as well as for public authorities.

■ From 2013 onwards, the Geo-Information System North Sea and the GeoSeaPortal (BSH) will offer well-structured access to geo-scientific data on the North Sea area.



■ In the future, an integrated management system will permit interactive online searches. Users will be able to access and use this knowledge base anytime and anywhere for their projects.