

The Cenozoic Petroleum System in the Danish North Sea

CENSYS

The GEUS CENSYS comprises a detailed facies analysis based on 3D seismic data of the Cenozoic succession in the Danish North Sea providing information on reservoir characteristics and a revised biostratigraphy.

The project was carried out during 2011–2014 in collaboration with a number of participating oil companies providing technical input and advice.

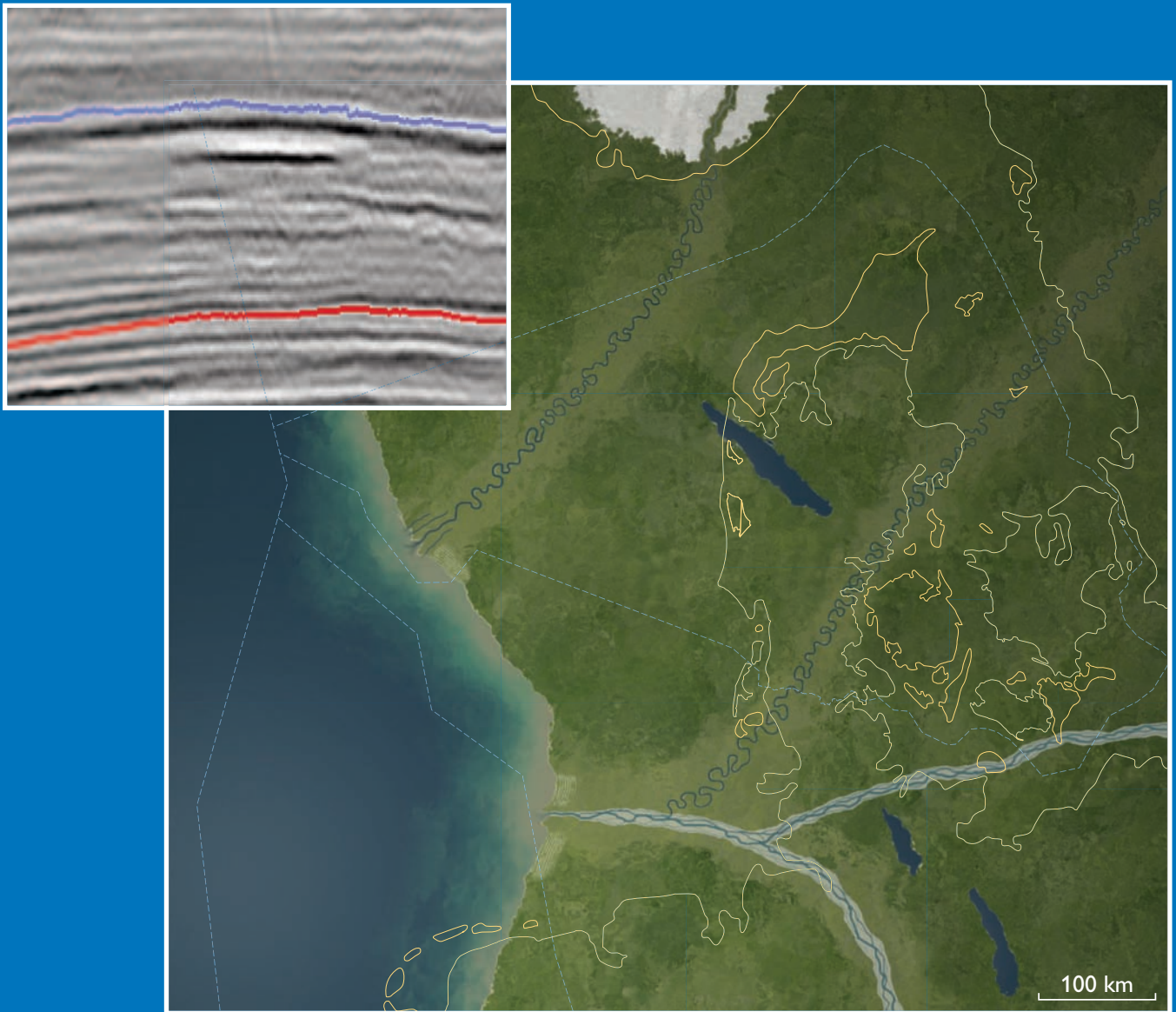
Data can be accessed through a dedicated web portal service provided by GEUS.

For further information on data access, please contact Nina Skaarup, Head of Geophysical Department, GEUS (for contact details, see back of folder)



The CENSYS project provides:

- A compilation of GEUS data and published information (bibliography).
- Regional mapping of the Cenozoic succession in Danish North Sea and a detailed 3D mapping of the Central Graben area. The Tertiary succession is divided into 24 regional units in the Central Graben area. Furthermore, the Neogene succession is split into 7 depositional sequences.
- A robust stratigraphic framework developed at GEUS during the last 15 years including a revised biostratigraphy of six wells.
- Selected time and structural depth maps and a number of critical correlation panels.
- Seismic attribute maps for specific reservoir intervals in order to show depositional features and possible hydrocarbon accumulations.
- Petrophysical interpretation of 25 key wells.
- Eleven palaeogeographical and lithofacies maps of the area.
- A synthesis of the Cenozoic Petroleum System, covering prospectivity and hydrocarbon plays.



Late Miocene Paleo-geographic reconstruction of the Danish North Sea

More information

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