

# The Jurassic Petroleum System in the Danish Central Graben

## The PETSYS Project

The GEUS PETSYS project provides a wealth of new and updated data critical to understand the Jurassic Petroleum System in the Danish Central Graben area.

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

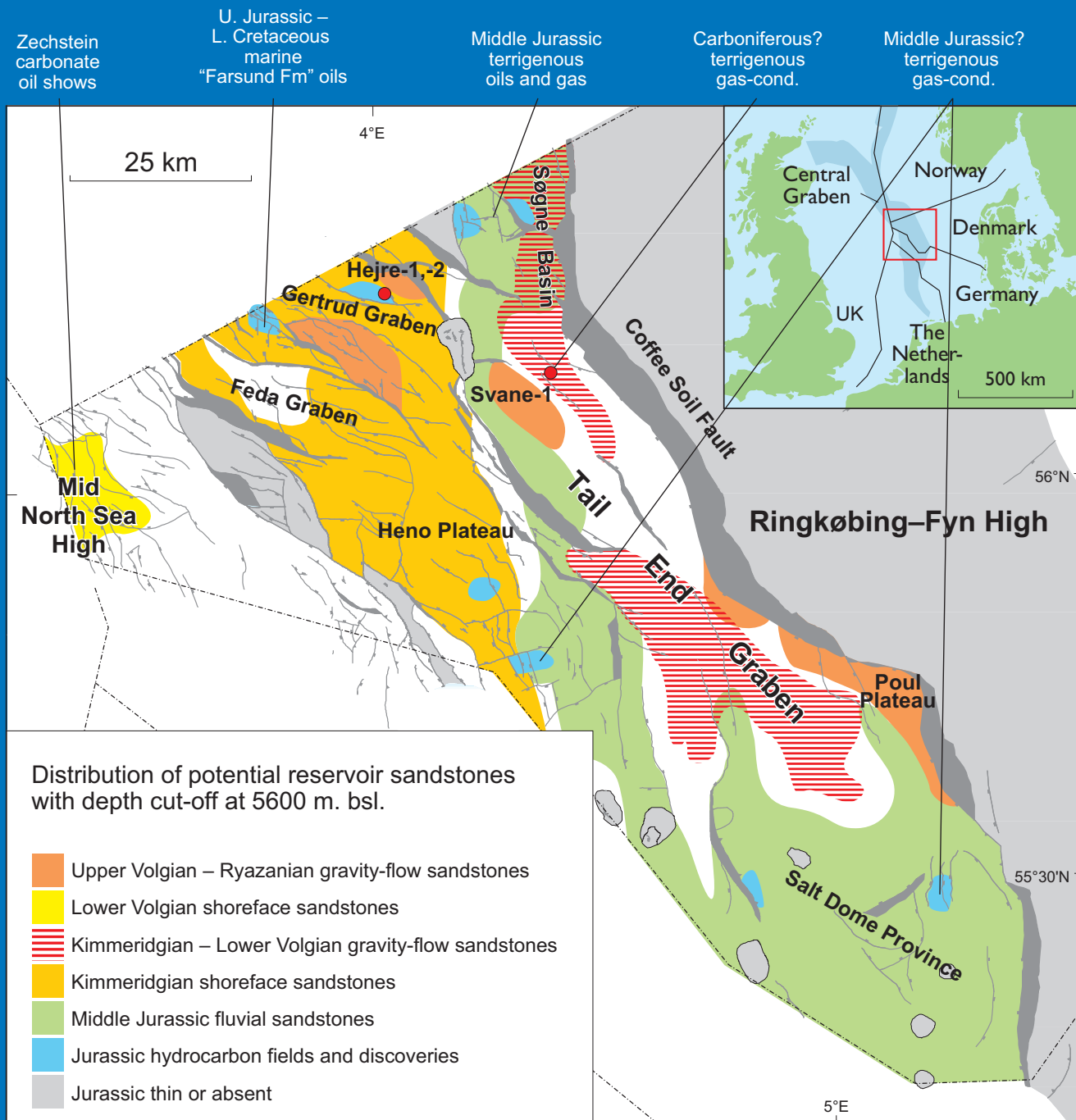
Data can be accessed through a dedicated web portal service provided by GEUS.

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



### The PETSYS project provides:

- A compilation of GEUS data and published information (bibliography).
- A detailed and consistent seismic-sequence stratigraphic and lithostratigraphic framework of the Jurassic in the Danish Central Graben based on available released seismic data and new well interpretations.
- Seventeen palaeogeographical maps showing depositional environments, distribution of lithologies and potential sand source areas through time.
- Three Depth/Structure maps and Time/Structure maps of 12 horizons from Base Cretaceous to Top Rotliegend.
- An overview of reservoir sandstone characteristics, i.e. porosity, permeability, net sand, sediment petrography and diagenetic alterations.
- Documentation of regional variation of source rocks and petroleum characteristics such as quality and type, maturity, likely kitchen areas and migration fairways.
- Detailed basin modelling studies in areas where proper source rocks and reservoirs are recognized.
- A synthesis of the Jurassic Petroleum System, covering prospectivity and hydrocarbon plays in the Jurassic of the Danish Central Graben.



## More information

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