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.

For further information on data access, please contact Nina Skaarup, Head of Geophysical Department, GEUS (for contact details, see back of folder).
Distribution of potential reservoir sandstones with depth cut-off at 5600 m. bsl.

- Upper Volgian – Ryazanian gravity-flow sandstones
- Lower Volgian shoreface sandstones
- Kimmeridgian – Lower Volgian gravity-flow sandstones
- Kimmeridgian shoreface sandstones
- Middle Jurassic fluvial sandstones
- Jurassic hydrocarbon fields and discoveries
- Jurassic thin or absent