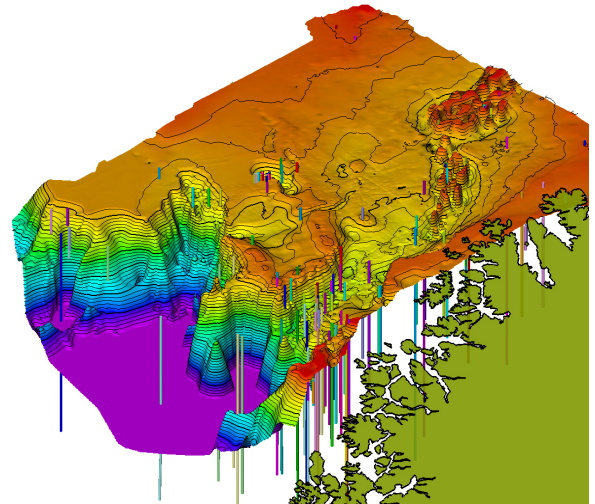


Integrated Barents Sea Study Basin Modelling Upgrade 2008



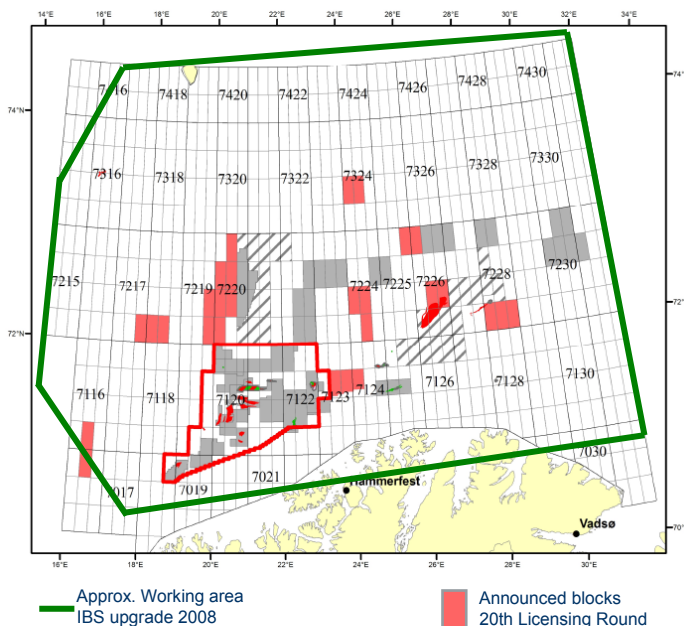
- completed and immediately available -

The Integrated Barents Sea Study (IBS) is highly successful in providing a comprehensive overview on petroleum systems in the Barents Sea to industry clients. The study combines an extensive geochemical, thermal and pressure database with novel modelling techniques. It includes erosion-, source-rock-, thermal and petroleum migration modelling. The data set has been interpreted with respect to source-rock characterisation, oil-source rock correlation and leakage estimation.



A Basin Modelling Upgrade is now available (only together with IBS):

- improved seismic interpretations by AGR using all published 2D lines and 3D surveys
- increased grid resolution of 500 x 500 m
- eight instead of five interpreted depth horizons
- updated erosion and thermal history model making use of Apatite Fission Track data (co-operation with Geotrack) and state-of-the-art kinetic models for thermal indicators
- improved and extended palaeo-water depth, source rock and migration modelling
- consideration of faults in migration modelling
- improved calibration against new wells and discoveries.



Deliverables:

- Report
 - Quantitative maps of uplift and erosion events
 - Temperature history
 - Palaeowater depth maps
 - Pre-burial quality and distribution for most important source rocks
 - Maps of generation, expulsion and migration of oil and gas for three carrier levels
- (all maps delivered in a consistent Petrel project or as grids)

Contact person:

Ane E. Lothe, ane.lothe@sintef.no

www.sintef.no/petroleum/basin

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