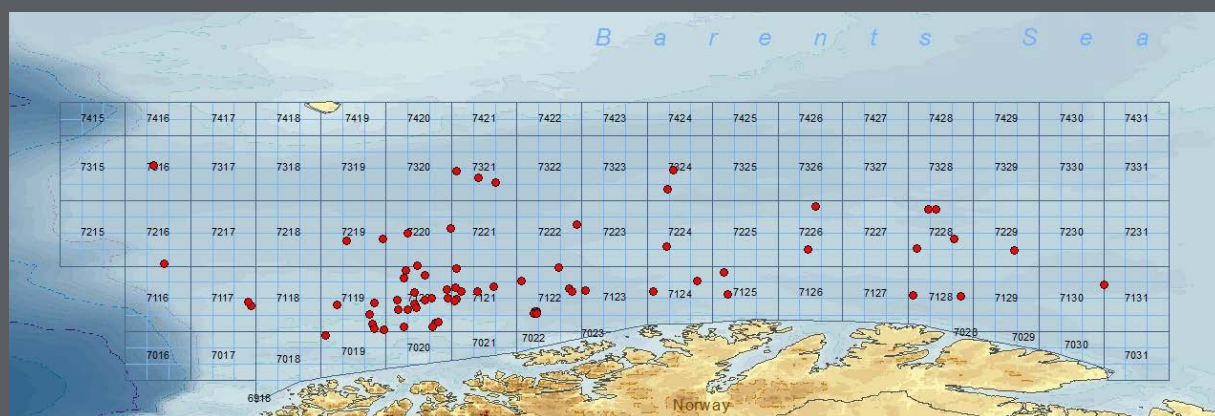


Understanding petroleum systems geochemistry is crucial in evaluating exploration potential and risk. In order to do this effectively data from many non-uniform sources need to be compiled into a consistent format, which is a very time-consuming task. In IGI's Barents Sea Database this work has already been done and additional well data including location and stratigraphy have been collected and integrated where possible. The database comprises data for over 27,900 samples from 74 wells, including over 27,400 rock analyses, 120 oils and 250 gas samples. TOC content is reported for over 21,000 samples with most of these also having additional pyrolysis data. Molecular data are widely available for more than 1900 samples and the isotopic composition of over 1050 samples are reported. Maturity data in the form of vitrinite reflectance values are present for more than 2400 samples.



The data originate from the Norwegian Petroleum Directorate which has made geochemical data available on its Factpages website in the form of scanned PDF reports. IGI has systematically catalogued and digitised all these data and compiled them into p:IGI, the industry standard application for petroleum geochemical databasing and interpretation. IGI has more than 30 years experience in assembling and interpreting large geochemical datasets for the petroleum industry, ensuring that our database products can be used with confidence by geologists, basin modellers and geochemists.

The Barents Sea Geochemical Database is provided with a Well Manager file containing available lithostratigraphy and basic well information for all 74 wells. This allows the user to seamlessly add samples from proprietary or in-house sources to the database, and assign uniform stratigraphy, map coordinates and other well information. The dynamic database automatically updates all plots on sample addition to minimise reaction time between data acquisition and interpretation.

Database cost (p:IGI format)
 List Price: £37,000
 Existing p:IGI clients: £29,600

For further details please contact:
info@igilt.com

Data mining and extraction

- * Catalogue available geochemical data
- * Digitise scanned PDF images
- * Compile and assimilate data types
- * Load data into a single database (p:IGI-3)

Quality Assurance

- * Normalise data from different laboratories
- * Unit conversion
- * Identification of outliers
- * Assess data density and distribution

Well Data Import

- * Unify & assign stratigraphy
- * Geo-reference data
- * Assign sample metadata

