

Norwegian North Sea

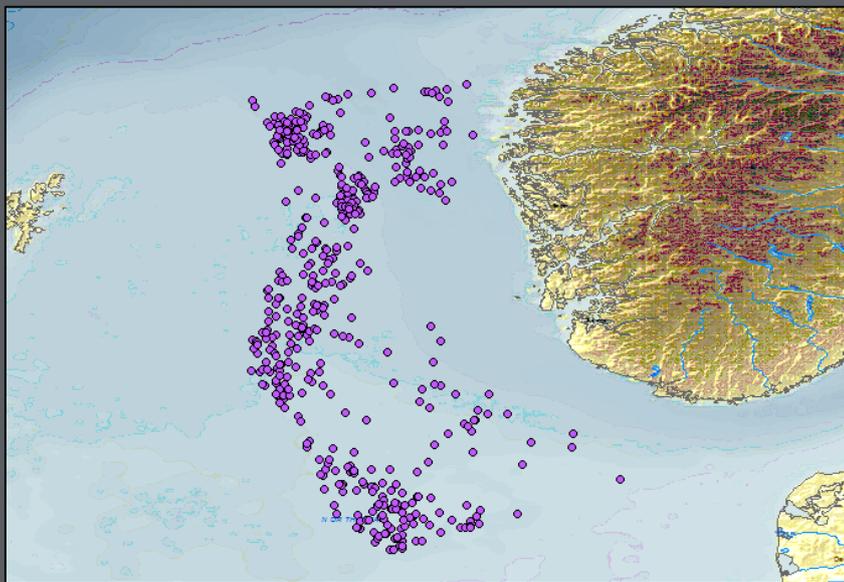
Petroleum Geochemical Database

2017

UPDATED

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 Norwegian North 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 almost 53,000 samples from 718 wells, including 710 oils, 1144 gas samples, 50 condensates and over 50,000 rock analyses. TOC content is reported for over 30,000 samples with most of these also having additional pyrolysis data. Molecular data are available for around 2,750 samples and the isotopic composition of over 2500 samples are reported. Maturity data in the form of vitrinite reflectance values are present for more than 7,700 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 Norwegian Sea Geochemical Database is provided with a Well Manager file containing available lithostratigraphy and basic well information for all 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.

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

Database cost (p:IGI format)

| | |
|-------------------------|---------|
| List Price: | £85,000 |
| Existing p:IGI clients: | £68,000 |

For further details please contact:
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