

# Norwegian Sea

## Petroleum Geochemical Database

# 2016

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 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 29,500 samples from 198 wells, including over 240 oils, 680 gas samples and 28,200 rock analyses. TOC content is reported for over 15,400 samples with almost all of these also having additional pyrolysis data. Molecular data are widely available for more than 1400 samples and the isotopic composition of over 2400 samples are reported. Maturity data in the form of vitrinite reflectance values are present for 3650 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 198 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:	£38,500
Existing p:IGI clients:	£30,800

For further details please contact:  
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