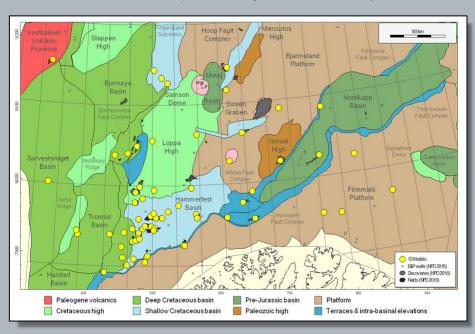
Barents Sea 1-D Basin Models

NEW FOR **2016**

IGI Ltd. has amassed extensive knowledge of the Norwegian Continental Shelf (NCS) through over 30 years of experience working on many studies, both for industry and academic applications. This compilation of 1-D basin models has been constructed to help exploration geologists, geophysicists and petroleum systems analysts quickly appraise areas of interest within the Barents Sea by saving them the time-consuming task of constructing and quality-assuring a regional suite of 1-D basin models. The time saved from building 1-D models can be used more productively to focus on the questions which matter.



All models are constructed using stratigraphic tops from Norwegian Petroleum Directorate (NPD) website and thermallycalibrated using maturity data extracted from IGI's 2016 Barents Sea Geochemical Database. The delivered models have been thermally-calibrated to a "best-fit" scenario which aims to honour the primary calibrants of temperature and vitrinite reflectance data. Aside from the time saving aspect, the models are provided in a standardised template to help the client quickly and efficiently begin refining the model to understand

and reduce exploration risk. Additional proprietary data may be added to compliment or refine the models.

1-D basin models are provided in ZetaWare Inc. Genesis format. In addition, each model has an associated two page document summarising both the key stratigraphic and thermal inputs, a tabulated MS Excel sheet containing key stratigraphy and calibration data and an in-depth technical note explaining the key information and rationale underlying the models.

Stratigraphic & Thermal Inputs

- * Compile stratigraphic tops and themal calibration data
- * Correct temperature data (Horner Correction)
- * Quantify Cenozoic uplift for each model

Modelling cost (in Genesis format):

Price per 1-D model: £350

All 65 1-D models: £16,500

If bought with database: £12,500

Understand Exploration Risk

- * Source maturity

 * Timing of hydrocarbon generation
- * Reservoir temperature history

For further details please contact: info@igiltd.com

Streamline Workflow

* Improve 3-D model calibration
* Import directly into Trinity

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Wells modelled:

7019/1-1	7120/12-4	7121/1-1	7124/3-1	7224/6-1
7117/9-1	7120/2-1	7121/4-1	7124/4-1S	7224/7-1
7117/9-2	7120/2-2	7121/4-2	7125/1-1	7226/11-1
7119/12-1	7120/5-1	7121/5-1	7125/4-1	7226/2-1
7119/12-2	7120/6-1	7121/5-2	7128/4-1	7228/2-1S
7119/12-3	7120/7-1	7121/7-1	7128/6-1	7228/7-1
7119/7-1	7120/7-2	7121/7-2	7131/4-1	7229/11-1
7119/9-1	7120/7-3	7122/2-1	7216/11-1	7316/5-1
7120/10-2	7120/8-1	7122/4-1	7219/8-1	7321/7-1
7120/1-1	7120/8-2	7122/6-1	7219/9-1	7321/8-1
7120/1-2	7120/8-3	7122/6-2	7220/6-1	7321/9-1
7120/12-1	7120/9-1	7122/7-3	7220/8-1	7324/10-1
7120/12-2	7120/9-2	7122/7-4S	7222/6-1S	7324/8-1

Data pack includes:

Technical note (key inputs & rationale)

- 1-D model in digital format (in Genesis)
- 1-D inputs and outputs (per model)

Tabulated calibration data (per model) (J/kg/K) $(\mu W/m^3)$ Thickness (w/m/K) Pilo-Pleistocene Uplit Ero
Pilo-Pleistocene Uplit Dep
Lower Cenozoic Uplit Dep
Lower Cenozoic Uplit Ero
Lower Cerozoic Uplit Dep
Late Cretaceous Uplit Dep
Kolmule Frii
Missing Kolje Frii. Ero
Hekkingen Frii
Fuglen Frii
Sive Frii
Nordmela Frii
Tubéen Frii
Friiholmen Frii
Snadd Frii
Kobbe Frii
Kobbe Frii
Kobbe Frii
Havert Frii
Havert Frii
Base sh100 ss10,si10,sh80 sh100 ss50,sh50 Fm. Name Example Model Example Model Depth (m) TOTAL AND THE REAL OF THE PROPERTY OF THE PROP