ICELAND

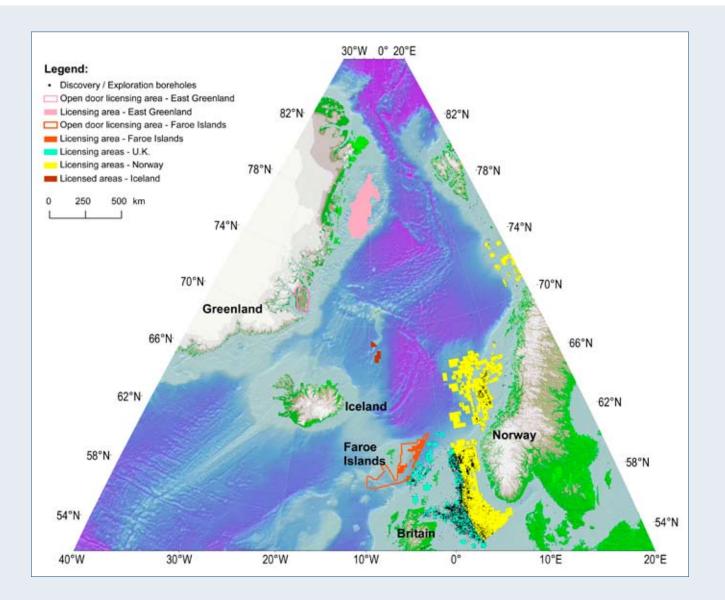
Offshore Exploration

Iceland: beginning arctic exploration

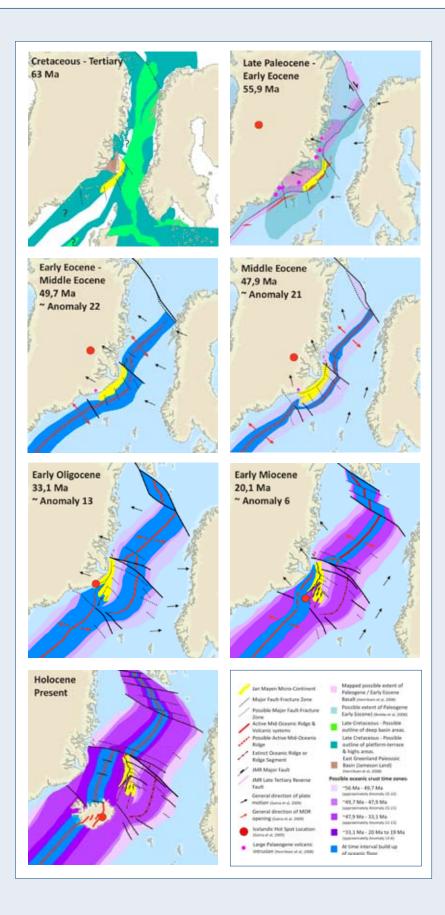
- Geology similar to other areas on the North Atlantic Margin.
- Significant amount of geophysical data available.
- Recent research confirms pre-opening sedimentary rocks in the Dreki area both reservoir and source rocks present.
- Sediment samples suggest active seepage of Jurassic oil and a working hydrocarbon system.

First licences issued

- Two licences granted on 4 January 2013
 - Faroe Petroleum (67,5%)
 Iceland Petroleum (7,5%)
 Petoro Iceland (25%)
 - Valiant Petroleum (56,25%) Kolvetni (18,75%) Petoro Iceland (25%)
- One application pending
 - Eykon Energy (extension until May 2013)

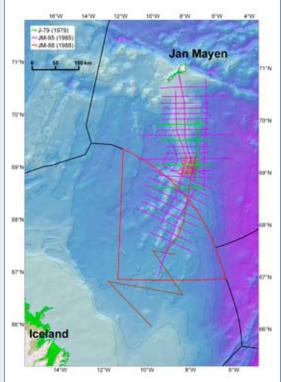


Tectonic history

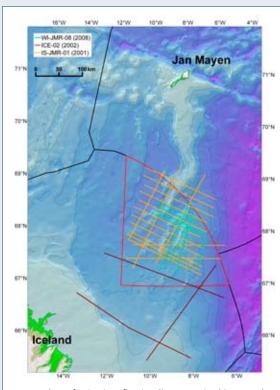


Exploration data

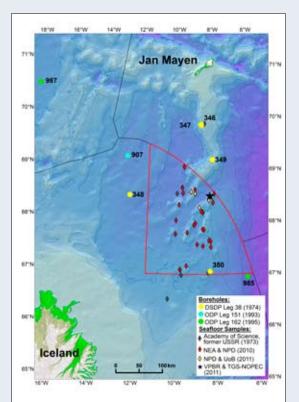
- Locations and metadata shown in the Icelandic Continental Shelf portal: www.icsp.is
- Major sources for 2D seismic reflection data:
 - Norwegian/Icelandic governmental surveys in 1985 and 1988, available from Orkustofnun or NPD in Norway.
 - Spectrum reprocessing of the data from the 1985 and 1988 surveys, available from Spectrum.
 - InSeis survey in 2001, available from Orkustofnun.
 - Wavefield-Inseis survey in 2008 and reprocessed 2001 data, available from Spectrum.
 - TGS-NOPEC survey in 2002, available from Orkustofnun.
- Shallow boreholes from the Deep Sea Drilling Project and Ocean Drilling Program.
- Surface seafloor samples collected in 1974, 2010 and 2011.
- Report on sampling by TGS and VBPR in 2011 available for sale from VBPR. The report contains key information on the potential of the area.



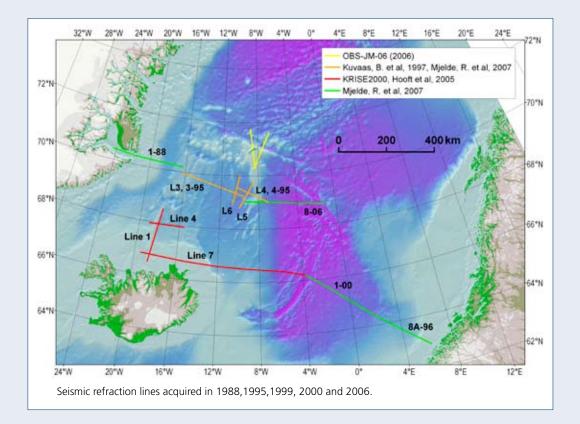
Approximately 5800 km of seismic reflection lines acquired by Norway in 1979, and by Iceland and Norway in 1985 and 1988. Reprocessed data of 1985 and 1988 surveys available from Spectrum.



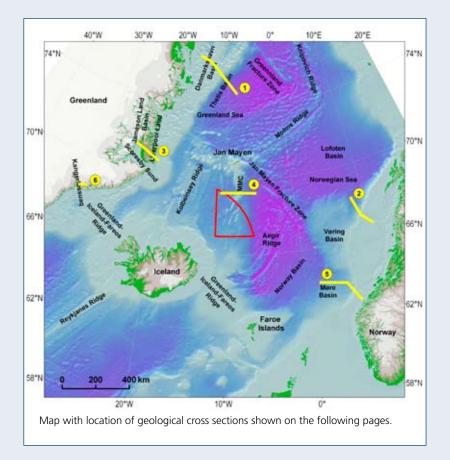
3600 km of seismic reflection lines acquired in 2001 by InSeis and 2008 by Wavefield-Inseis. 800 km aquired by TGS-NOPEC in 2002.



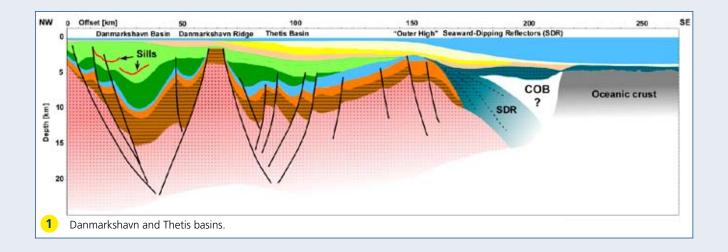
Location of shallow boreholes and seafloor samples.

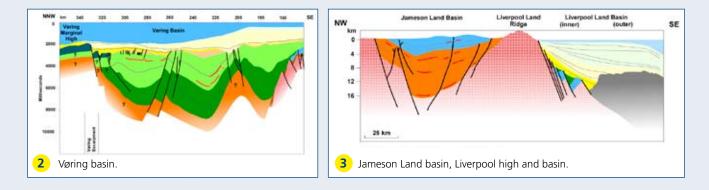


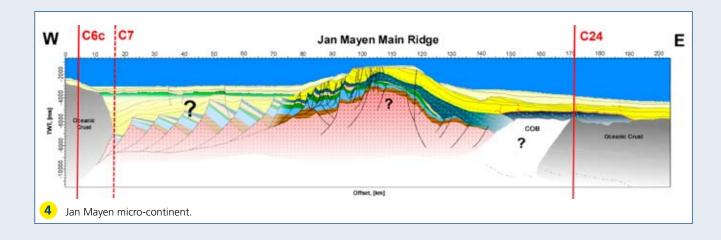
Geological cross sections

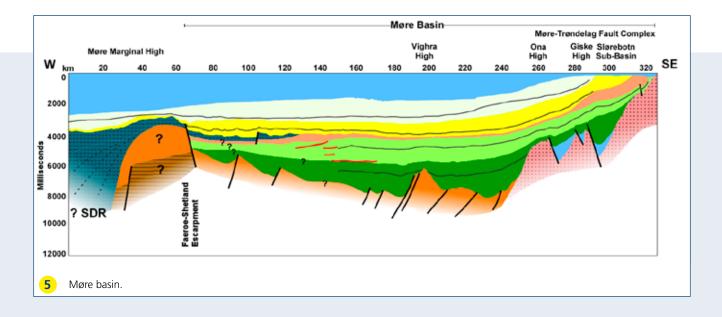


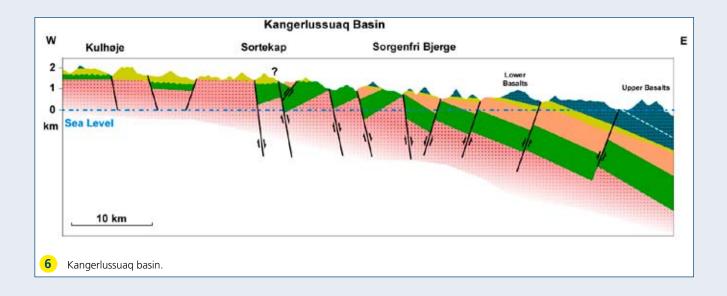
Geological cross sections



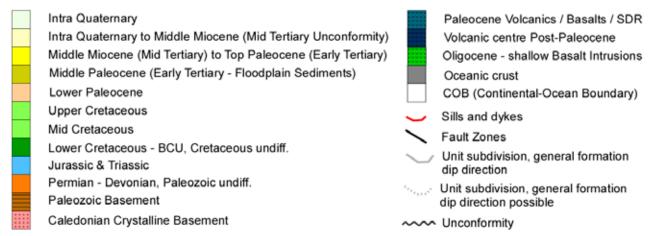






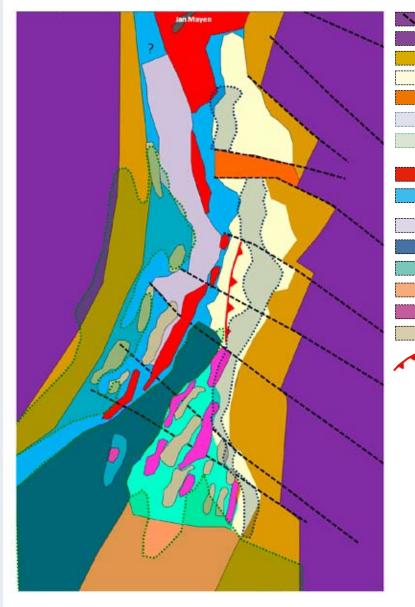


Legend:



Hydrocarbon potential

- The Jan Mayen Ridge is a sliver of a continental crust on the Atlantic Margin.
- Sedimentary strata pre-dating the opening of the Norwegian Greenland sea.
- Source rocks similar to East Greenland.
- Reservoir rocks sampled by NPD, including submarine fans.
- Potential traps present, both structural and stratigraphic.
- Seismic anomalies, surface pockmarks and satellite data indicate that hydrocarbons may be present.
- Sediment samples suggest a working hydrocarbon system.



Oceanic Crust, Norway Basin, including transfer fault zones with possible continuations into the JMR. Oceanic Crust, Iceland Plateau

Jan Mayen Basin areas, East & West flanks

East flank, seaward dipping sediment sequences (prior Late Oligocene and above the SDR).

East flank, Central high - Intrusive Complex

East flank, visible SDR - Late Paleocene Lava Flows

West flank & South, poss. Late Oligocene, Composite sheet of flat-lying intrusive's covering subsided continental crust just before occeanic crust started to form on the localard Plateau.

Main Ridge, un-faulted ridge areas

Areas of normal faulting from the main ridge on the East, and especially from the West flank during separation of the JMR from Greenland.

Area of listric faulting - West from the main ridge

Jan Mayen Trough

Visible area of the southern JMR complex.

Possible continuation of the southern JMR complex underneath the poss. Late Oligocene basalt cover.

Developed highs within the southern JMR complex.

Post Eocene lows within the southern JMR complex, and local depositional lows along the West flank of the Main JMR, developed during the break-up of the JMR from Greenland. Reverse Fault

Geological structure map of the Jan Mayen Ridge.

Environmental conditions

- Mean summer temperatures 5 to 8°C, winter temperatures -2 to 0°C
- Yearly precipitation about 700 mm, winter lows with up to 25 to 30 cm daily snow.
- Mean summer wind speed ca 6 m/s, winter wind speed ca 10 m/s.
- Frequent fogs during summer.
- Some occurences of icing in the winter months.
- No danger of sea ice under present climatic conditions.
- Wave heights lower than at the west-coast of Norway, 100 year wave height about 12 m.
- Buoy for meterorology and wave conditions was operated for one year.
- Mooring with ADCP and traditional current meters for oceanography was operated for one year.
- Occasional catches of pelagic fish stocks (capelin, herring) in the area.
- No known demersal fish catches.
- Only relatively common species of whales and sea birds.
- Bathymetry and benthic fauna were investigated in summer 2008 and demersal fish in 2009.

Currents

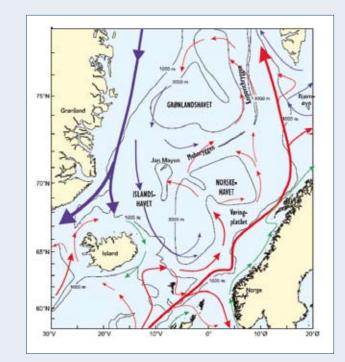
The area is within a cell of anticlockwise flowing, relatively weak branches from the cold and warm main ocean currents in the north and south.

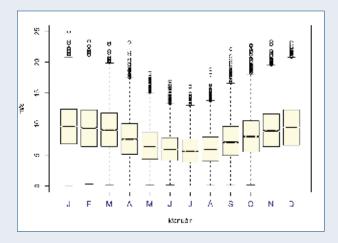
Wind speed

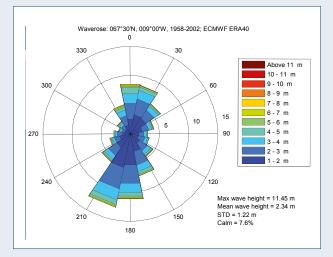
Distribution of wind speed in the Dreki area is shown for each month. Half of the observations are within the box, the median is shown with a horizontal mark.

Wave heights

Wave heights in the Dreki area are lower than at the west-coast of Norway, 100 year wave height is about 12m. The main wave direction is from the SSW and S. Outliers are indicated by circles.





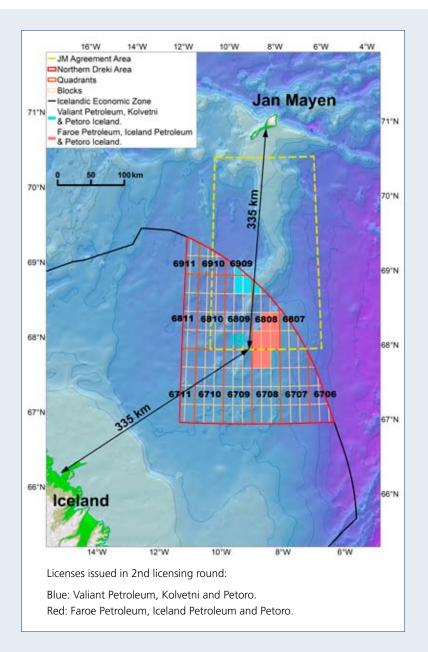


Licensing for hydrocarbons

- Exclusive licenses for the exploration and production of hydrocarbons in the Dreki area on offer in licensing rounds.
- Applications for prospecting licenses (e.g. for speculative surveys) accepted at any time.

Licensing terms

- Duration of exploration licenses up to 12 years, may be prolonged to a maximum of 16 years.
- Following successful exploration, a priority can be granted for a production license for up to 30 years.
- Group applications (joint ventures) are welcome, standard Joint Operating Agreement provided.
- Transferable licenses, subject to official permission.
- Phased work programme possible, each phase with seperate specification of rights and obligations.
- Annual contribution to an education and research fund.
- Agreement with Norway on the northernmost 30% of the area (12,720 sq. km).
- Norway may participate with up to 25% share in exclusive licenses within the agreement area.



Taxation of hydrocarbon extraction in Iceland

The tax regime of hydrocarbon extraction is based on the following four taxes/fees:

- a. **General Corporate Income Tax** which is currently 20% of the company's profit.
- b. Area Fee which is charged for concessions for exploration and production of hydrocarbons.
 For the first six years the permit is in force the licensee shall pay an annual fee of ISK 10,000 per sq. km of the concession area. The annual fee increases by ISK 10,000 per sq. km each additional year.

However, the annual fee shall never exceed ISK 150,000 per sq. km. No area fee is paid for a prospecting license.

- c. Production Levy which is calculated on the market value of hydrocarbons processed from the resource. The levy rate is fixed at 5%. The levy is treated as a deductable operational cost.
- d. **Special Hydrocarbon Tax** which is levied on the profit that is generated by the activity. The tax rate is progressive relative to the profit ratio which is the ratio between the total income and the tax base. The tax rate of the special hydrocarbon tax, as a percentage is calculated as follows: Profit ratio x 0.45. As an example; if the profit ratio is 40% the tax rate is 18% (40*0.45).

It is assumed that all the parties involved in hydrocarbon extraction will be liable to other taxes and other public dues that are normally levied in Iceland under the laws and regulations in force at any given time. However, there are several notable exceptions; the most important is that the hydrocarbon extraction activities will be exempt from VAT. Furthermore, rules on loss and depreciation in Iceland are favorable to the hydrocarbon industry.

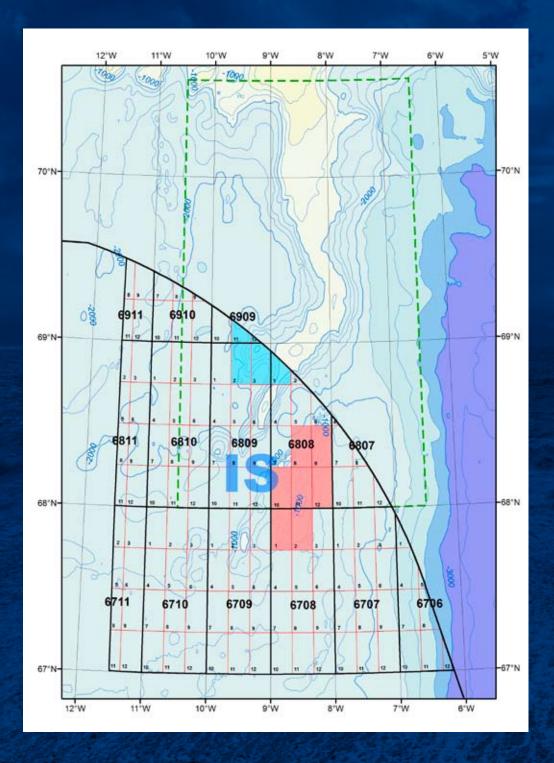


Legal framework

- EU legislation has been transposed in many important areas into Icelandic law, as Iceland belongs, with Norway, Liechtenstein and the EU countries, to the European Economic Area (EEA).
- Icelandic Parliamentary Act No.13, 2001, on Prospecting, Exploration and Production of Hydrocarbons applies to petroleum activities.
 - Transposes into Icelandic law EU directive 94/22/
 EC on the conditions for granting and using authorizations for the prospection, exploration and production of hydrocarbons.
- Other relevant EU legislation, including issues of health, safety and environment (HSE), has been transposed into Icelandic law.
- Iceland has ratified the OSPAR convention on the protection of the marine environment of the North-East Atlantic as well as the international MARPOL protocol for the prevention of pollution from ships.

Facts about Iceland

- Republic with 320,000 inhabitants.
- Member of the Schengen Area and cooperation by a special agreement with the EU.
- Member of NATO, strong ties with North-Atlantic neighbours and other Nordic countries.





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