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Seafloor sampling in frontier areas

- Identification of active petroleum systems
- Stratigraphic tie to seismic data in areas with no wells

Seafloor sampling in mature areas

- Ranking of prospects to optimize well placement
- Determination of hydrocarbon phase

Aims of seafloor sampling

- Rank structures by identifying migrated hydrocarbons above closures

Methods

- Seafloor sampling using a gravity corer
- Seep samples analyzed at APT, AGI and MPOG labs

Deliverables

- Interpretation report, ArcGIS project, survey and analytical data

Multiclient projects in APA Areas

- Testing the prospectivity of undrilled closures
- Site selection based on AMS17 3D seismic data
- Norwegian Sea (Fenris Graben, Gjallar Ridge)
- Barents Sea (Veslemøy Ridge, Tromsø Basin)

Seep sampling strategy

- Transect sampling
- 0.5 to 2 km site spacing
- Calibration sites near exploration wells

Proprietary projects in production licenses

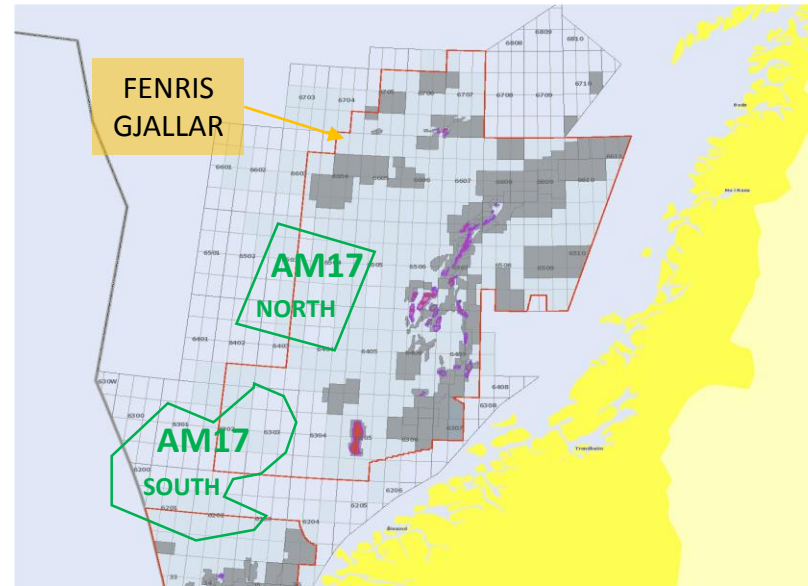
- Extending the reserves of known discoveries
- Barents Sea (Hoop, Fingerdjupet)
- Norwegian Sea (Fenris Graben, Gjallar Ridge)

Seep sampling strategy

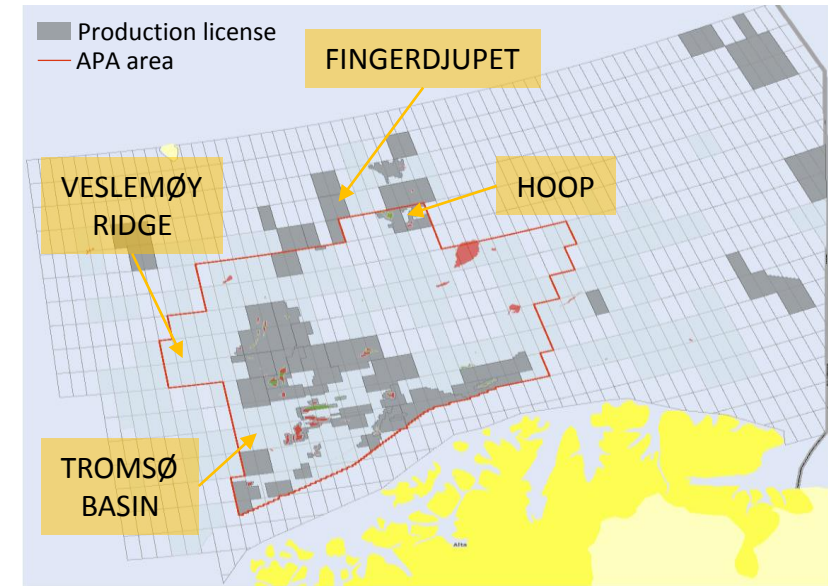
- 1 x 0.5 km grid over target structures
- Transects with 1 km site spacing
- Transect tying grids to discoveries for calibration



Smelling for oil



Barents Sea



Norwegian Sea