Russian Barents Sea – Russia – 2012/2013

**Russian Barents Sea 2D**

**Internationally available seismic study linking Russian petroleum systems with Norwegian acreage**

The survey extends from the Kara Sea in the east to the Norwegian/Russian border in the west. The dataset provides an understanding of the Russian Barents Sea geological development, including sedimentary provenance and petroleum systems in Arctic Russia and Norway.

Hydrocarbon systems are proven in this area and there is further exploration potential within the deep basins and large anticlinal structures. Gas discoveries in the region include Kildin, Shtokman, and Ludlov within the Jurassic shallow marine sandstones and Triassic lacustrine deltaic sandstones.

New 2D seismic data, tied to Russian wells, was the basis for a geological study containing detailed basin modeling and key horizon interpretation. The final seismic and interpreted horizons are available for licensing with the study report.
**SURVEY SUMMARY**

- **Type:** 2D  
- **Geometry:** Standard  
- **Size:** 6300 km  
- **Acquisition year:** 2012/2013  
- **Completion of processing:** 2015  
- **Water depth:** 70-360 m  
- **Shooting direction:** Varying  
- **Vessel:** Akademic Lazarev  
- **In partnership with:** MGAI/Geology Without Limits

**ACQUISITION PARAMETERS**

- **Number of streamers:** 1  
- **Streamer length:** 10050 m  
- **Shot interval:** 50 m  
- **Record length:** 18 ms  
- **Source depth:** 6 m  
- **Sample rate:** 2 ms  
- **Bin dimensions (Acquisition):** 50 m  
- **Bin dimensions (Processing):** 25 m  
- **Fold:** 100

**PROCESSING AND DELIVERABLES**

- **Processing:** Demultiple, Pre-Stack Time Migration, Post-stack processing, PSDM imaging  
- **Depth products:** Final PSDM stacks, Final velocity models  
- **Time products:** Final PSTM stacks, Final PSTM Angle stacks, Final PSTM gathers, Velocities (Migration and stacking), Navigation  
- **Additional products:** Interpretation

Data example over the Shtokman discovery, Russian Barents Sea.

For all enquiries please contact Email: europe.info@pgs.com