

Mediterranean – Lebanon – 2019

Lebanon

2nd Offshore Licensing Round

A unique exploration opportunity

Large-scale, high-quality seismic imaging offshore Lebanon allows you to look closely at opportunities available in the country's second license round for hydrocarbon exploration. In 2018, the Council of Ministers approved the recommendation of the LPA to prepare for Lebanon's next licensing round. In the next few months the LPA will undertake the preparations required for a second offshore licensing round. This is scheduled for official launch early 2019.

The licensing round will extend over twelve months, leading up to the award of exclusive petroleum rights to explore and develop new hydrocarbon resources offshore Lebanon.

For more information on PGS' available portfolio of 2D and 3D products or to arrange a data review please contact: amme.info@pgs.com.

Lebanon - 2nd Offshore Licensing Round 2019

The Mediterranean's Eastern Frontier

Exploration and Acquisition

Following the success of the first license round in 2017, Lebanon again presents a tremendous opportunity with frontier acreage already covered by modern 2D and 3D seismic data. The acreage comes with the reassurance of proven hydrocarbon plays and recent discoveries in the vicinity.

PGS has supported exploration efforts offshore Lebanon since 2006 with multiple 2D and 3D surveys. As an official data provider for the 2nd Lebanon Offshore Licensing Round, PGS' high-quality datasets will help you to unlock the petroleum system and evaluate potential prospects in the Levantine Basin.

- PSDM MegaSurvey: over 10 000 sq. km of matched, fully-migrated, and merged 3D seismic
- 8 800 line km of 2D GeoStreamer seismic (acquired 2009 and 2011) tying to the 3D surveys

Prospectivity

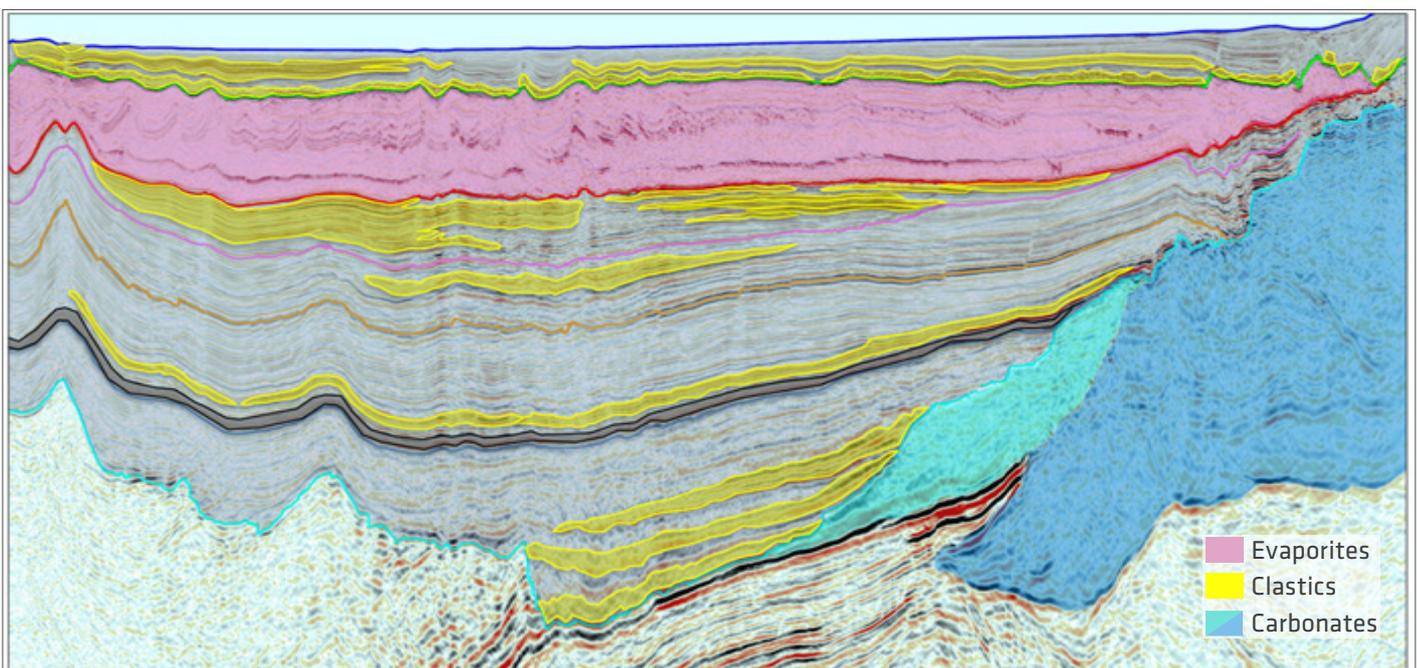
Offshore Lebanon can be subdivided into two geological domains: the northern part of the Levant Basin and the Levant margin. The Levant Basin is a deep marine basin with a sedimentary column of approximately 12 km ranging from Jurassic/Cretaceous to recent deposits. The Senonian unconformity marks the onset of clastic deposition onto Upper Cretaceous carbonates which are predominantly present along the Levant margin. Although the area remains underexplored, with no wells drilled, data suggests the presence of all necessary components for a working petroleum system. Depth migrated data also shows several structural closures in each of the potentially prolific intervals of the area.

Significant discoveries have been made in the Miocene clastics of the southern Levant Basin. This trend looks likely to continue in Lebanon, as RMS amplitude anomalies can be seen throughout the northern Levant Basin. Seismic data also clearly indicates the presence of Cretaceous carbonates along the margin.

The structures are of considerable size and interesting potential reservoirs. It is possible that a similar play type to that identified in the recent Zohr discovery exists in this area.

2nd Licensing Round - Key Facts

- PGS is an official data provider
- 10 000 sq. km. 3D
- 8 800 km GeoStreamer 2D
- 500 km legacy conventional 2D reprocessed
- PSTM and PSDM data available
- Recent gas finds in local plays
- Potentially oil prone margin
- Pre-qualification required
- Round scheduled for official launch early 2019



W-E PSDM seismic profile across the northern Levant Basin, offshore Lebanon.