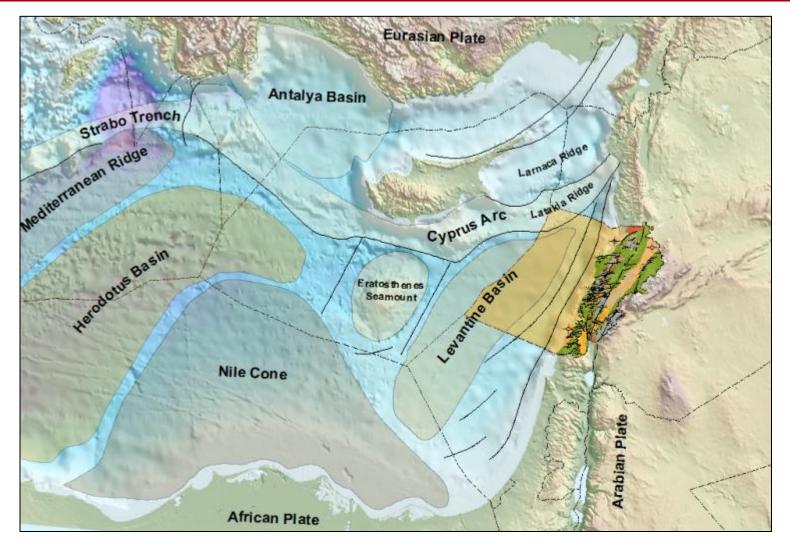


REPUBLIC OF LEBANON Ministry of Energy and Water

LEBANON FIRST OFFSHORE LICENSING ROUND

Petroleum Administration

Lebanon – Located Eastern Mediterranean



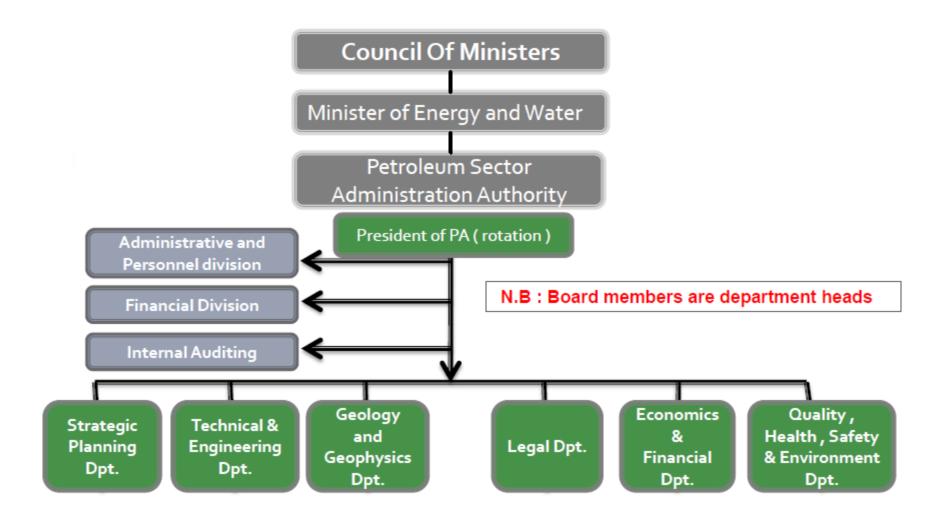
Lebanon First License Round



- □ Lebanon is working towards its First License Round
- The seismic data and recent discoveries in the region show the area to be very prospective
- The Petroleum Administration was formed in November 2012
- Pre-qualification expected to open February 2013
- □ License Round expected to open in May 2013
- The License Round will be open for a minimum period of 6 months



Petroleum Sector Administration Authority



General Preparations







Legal and Institutional Framework

Lebanon – First License Round

Offshore Petroleum Resources Law (132)

Council of Ministers regulatory decrees

> Petroleum Activities Regulations

Exploration & Production Agreement

Petroleum Sector Administration Authority

Environmental Management

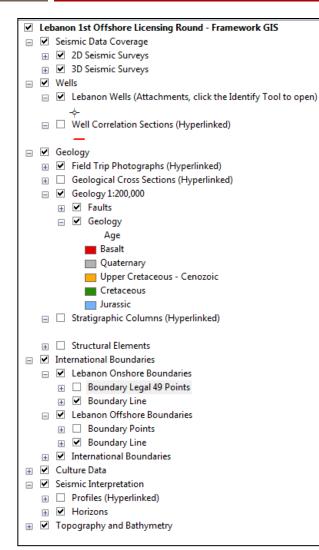


- Phase one of the Strategic Environmental Assessment was completed in April 2012 and is organised in 8 volumes.
- The SEA report outlines the future steps including recommendations to Oil and Gas companies including the identification of the most vulnerable areas.
- Environmental Impact assessment decree issued through the Ministry of Environment
- National contingency plan ,Stakeholders management , Data gap analysis ,GIS and more

Framework GeoPackage



Lebanon – First License Round



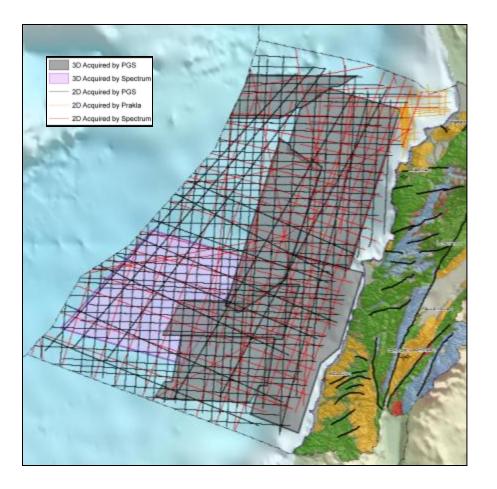
High quality digital information relating to:

- Seismic Data Coverage
- Geology
- □ Int. Boundaries
- Culture Data
- Seismic Interpretation (Water Depth)
- Topography & Bathymetry





Lebanon – First License Round





 8,800 Km 2D (2008-2011)
9,700 Km2 3D (2006-2012)

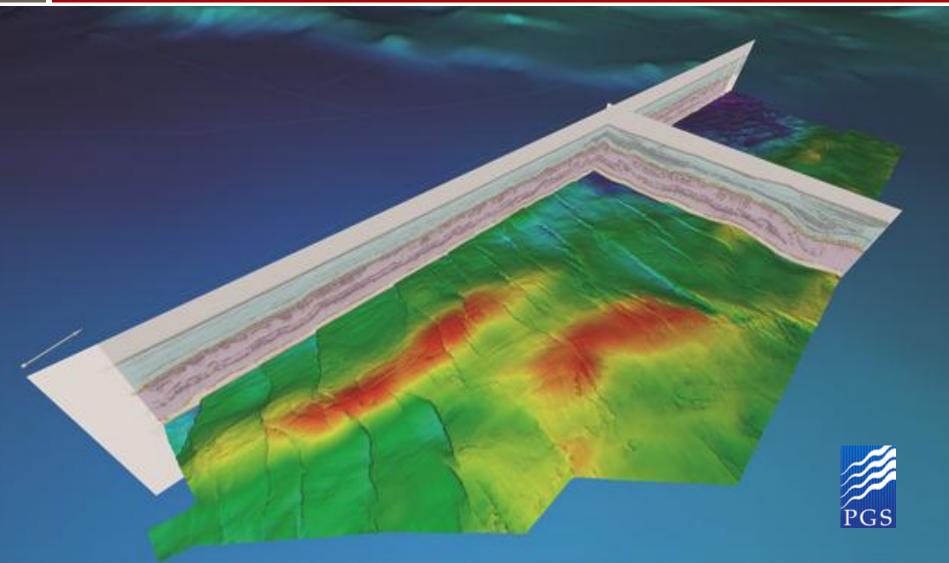


 5,526 Km 2D (1975-2002)
3,000 Km2 3D (2012/13)



Lebanon Prospectivity









Lebanon – First License Round

Blocks delineation scenarios taking into consideration the:

- Geology
- Economic value
- Environmental considerations
- Licensing strategy

Block delineation being finalized.

Lebanon First License Round



Lebanon – First License Round

- By Law Companies will need to pre-qualify
- By Law a Minimum of 3 Companies required in each Consortium
- □ Three Types of Licenses:
 - Reconnaissance 3 years
 - Exploration 10 years
 - Production

- 30 years

Pre-Qualification



Lebanon – First License Round

Companies may pre- qualify as an Operator or Non-Operator.

Pre-Qualification criteria address the following main categories:

1. Legal

Joint stock company conducting Petroleum Activities as defined in Offshore Petroleum Resources Law

2. Financial

Right-holder Operator: Total assets of USD 10 Billion Right-holder Non-Operator: Total assets of USD 500 Million

3. Technical

Right-holder Operator: Operatorship of at least one petroleum development in water depths in excess of 500m

Right-holder Non-Operator: Having an established petroleum production

4. **QHSE**

Evidence of established and implemented QHSE Management Systems

Bidding Documents



Lebanon – First License Round

The bidding documents (bid package) for the first offshore Licensing Round and given only to prequalified companies on the opening of the first licensing round.

It will contain:

- Application / bidding documents
- Details of the contract areas on offer
- Minimum data purchase requirements
- Digital Atlas GeoPackage
 - Regional Interpretation
 - Representative seismic images
 - All the information contained within the Framework GeoPackage.

Resources on: <u>www.lebanon-exploration.com</u>

















Briefing Note

Lebanon – First License Round

REPUBLIC OF LESANON Ministry of Energy and Water

Petroleum Administration



LEBANON FIRST LICENSING ROUND

Labarron Offshore

exploration.

Mediterranean.

The Laborate off-bore area covers a

total of 22,720km² in the Eastern

Medberranean and has never been

previously licensed for hydrocarbon

The recent deepwater, sub-calt gas

discoveries to the South and West,

which encountered high quality Lower

Miccene zandz, have significantly

increased the industry interest in

Labance and the Castern

The Levantine badh within the Eastern

Mediterranean region is regarded to

contain some of the most exciting

exploration plays in the region which

are being re-evaluated through

advances in selamic technology.

The Minister

It gives me great pleasure to invite you to evaluate the hydrocarbon potential of Lebanon in preparation for the Find Licensing Round. Pre-qualification will open shortly and then qualified Companies will be invited to apply for an "suploration and Production Agreement".

The nextly formed Patrolaum Administration was appointed in November 2013 and is working to complete all the technical, legal, final and administrative documentation that are neglined to be in place. This work has been applemented by a number of activities such as the "Lesanon International Patroleum Exploration Forum and Exhibition" to ensure that the International of and gas exploration community has been kept informed and Involved in our endeavours to exploit our hydrocarbon resurces.

Please be assured that the Lebanese Government is fully committed to make this project materialize through the first licensing round.

We thank you for your interest in Lebanon and we look (opgagits the future partnerships between the Lebanese Governmentsbackbacksbacketsbacketsbacketsbacketsbacketsbackbacketsbackbacketsbackbacketsbacket

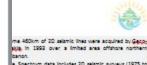
Eng. Gebran Bacel Minister of Energy and Water

Technical Data

The Ministry has long recognized the hydrocarbon potential off-thore Lebanon and in the last decade has commissioned 30 and 30 selemic surveys in preparation for the first off-thore licensing round.

Selamic data offshore Lebanon acquired by: Geco.Rokia.(available at PA)

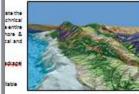
- Spectrum (available via Spectrum)
- PGS (available via PGS)



 Spectrum data include: 20 selamic surveys (1975 to 22) which have been reprocessed (amounting to about 200 km) and more recently 20 selamic as shown on the sel ned.

S data Includes nice 20 estants aurosys (2008 to 2011), vering some 9,800 km) complimented by dk 20 surveys 005 to 2012, covering around 9,700 km³. The location of * 905 30 lines 6.30 data is shown on the selenic base so in block 5 any.

e selamic database provides valuable information about a grospactivity of the offshore Cabanon area.

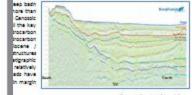


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Lebanon Data Room

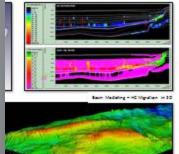
The similarly geochines data has been laded to bachholar workstation projects and is sivilable for videos to view ather AA data room to Geinat. This includes the asignitis and wall data some of which is contained which the GIB project, in addition to moonts, studies and publications on the geology and geoperchildy of Latamon (antherayloff from).

up, Belcip-Cooleb, was contracted to interpret more than 10,000 km of 20 gloral interpretation report. This was followed by 20 interpretation analysis, putter



Report Jasmis interpretation

a and badn modeling has provided a new understanding of the nature of wed interpretation of plays and leads, and cleaner understanding of the reach the Levantine Badn offshore Lebanon.



prérieur dis desurs franchés Dassinis date





Pre-Qualification Proce

Petroleum Resources Law (Law No. 122 of August 24, 2010), the Petroleum conduct, prior to the lawnching of the Offshore OI and Gasteening round, a il joint stock petroleum companies/hereated in applying for an "Exploration and the 31" Lebames Liseane Bound.

will be conducted during the first quarter of 2012, and the 1" Licensing Round is May 2012.

 to be load addresses the eligibility criteria and information requirements for thing to participate in the Licensing Round. Companies may apply as Right-Holder or Non-Operator.

dress the following main categories:

the company aca legal entity.

th the company's financial strength on an on-going basis and its capacity to sepective oil and gazactivities.

emonstrate the company's competence in oil and gas exploration and ompanies may pre- qualify as an Operator or Non-Operator.

ompany to demonstrate its operational procedures and issues relating to health, nent comply with Lebanese Law and International standards.

want documents will be posted soon on www.lebanon-exploration.com

on status is valid for the 1st Licensing Round. All pre-qualified companies are leum Administration whenever there is an adverse material change in their status

ut the license round, the pre-qualification process, Data Room booking and ed via email to info@lebanon-exploration.com.

> Phone: +951-1-555040 Fax: +951-1-449529 Email: Info@lebanon-exploration.com www.lebanon-exploration.com

> > FRANCIN 2¹¹ LICENSING ROLING

Copies available on the Lebanon Stand



REPUBLIC OF LEBANON Ministry of Energy and Water

Thank you for your attention

Walid Nasr Strategic Planning Department Petroleum Administration

www.lebanon-exploration.com info@lebanon-exploration.com

Petroleum Administration