



Ministry of Mineral Resources



Exploration Opportunities in Mozambique

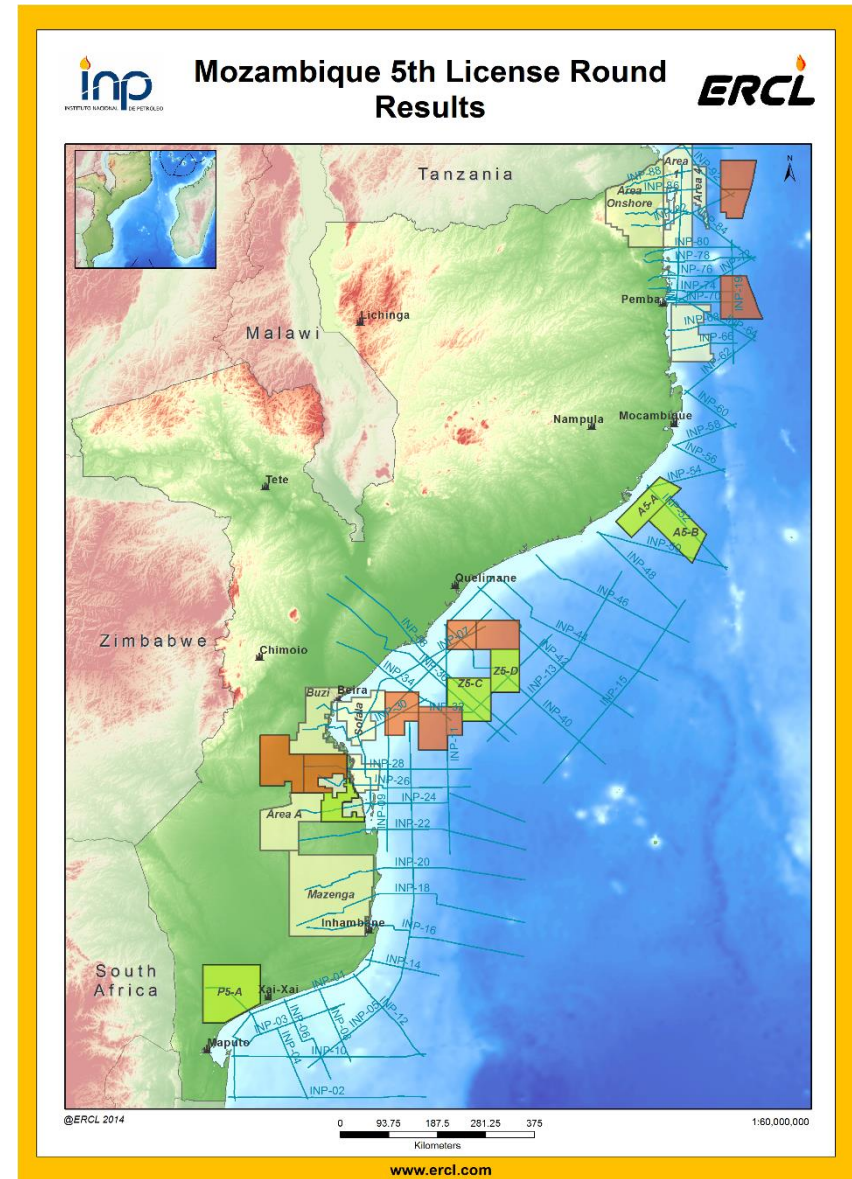
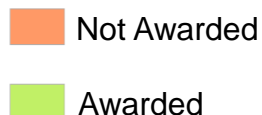
Presented on Behalf of INP
Nicola Eland, Geoscientist, ERCL
APPEX Global – London – 3th March 2016

Results of the 5th Licensing Round

**The Fifth licensing round closed
30th July 2015.**

The Institute of National Petroleum of Mozambique (INP), is pleased to announce the results of the fifth competitive bidding round for Exploration and Production Concession Contracts.

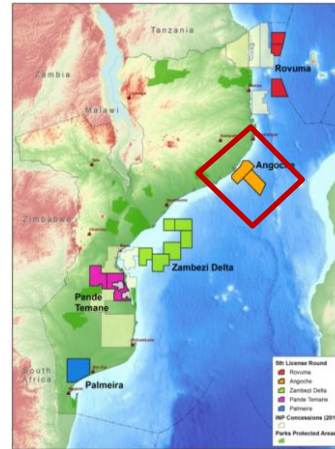
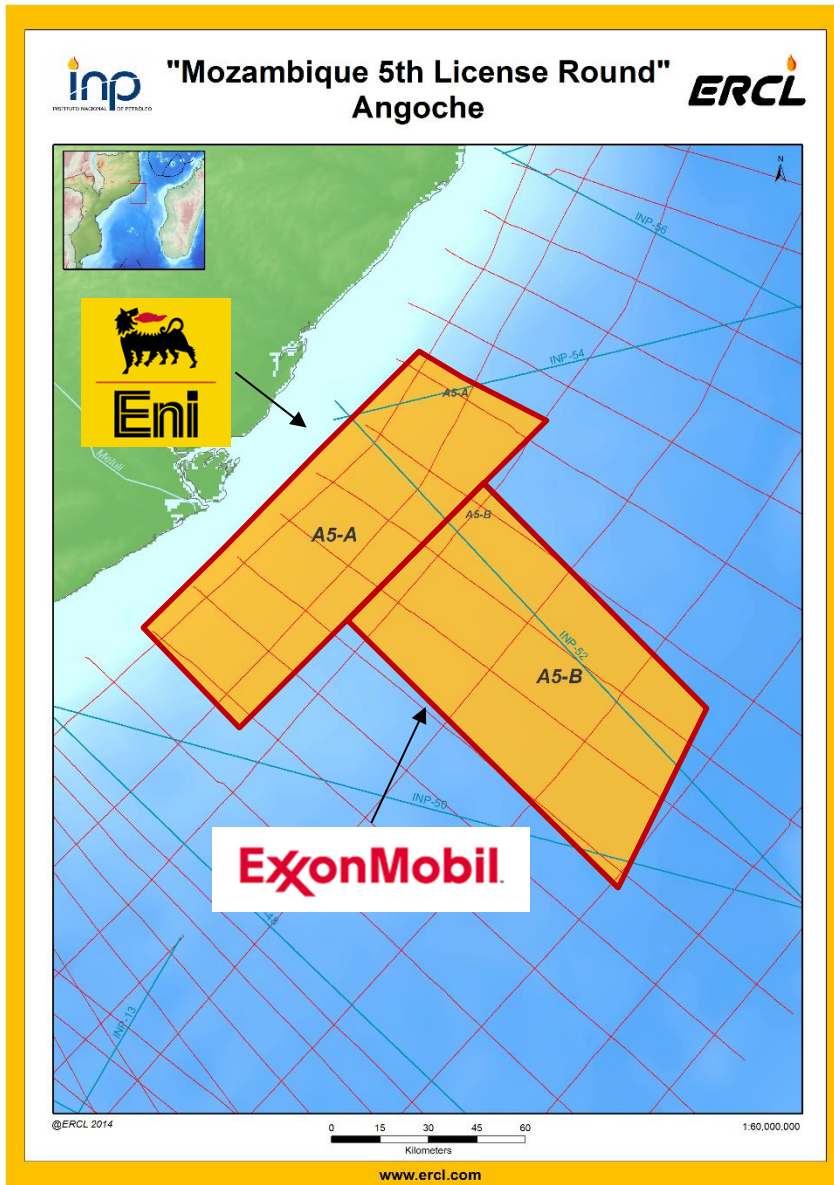
6 out of 15 blocks have been awarded:



Angoche

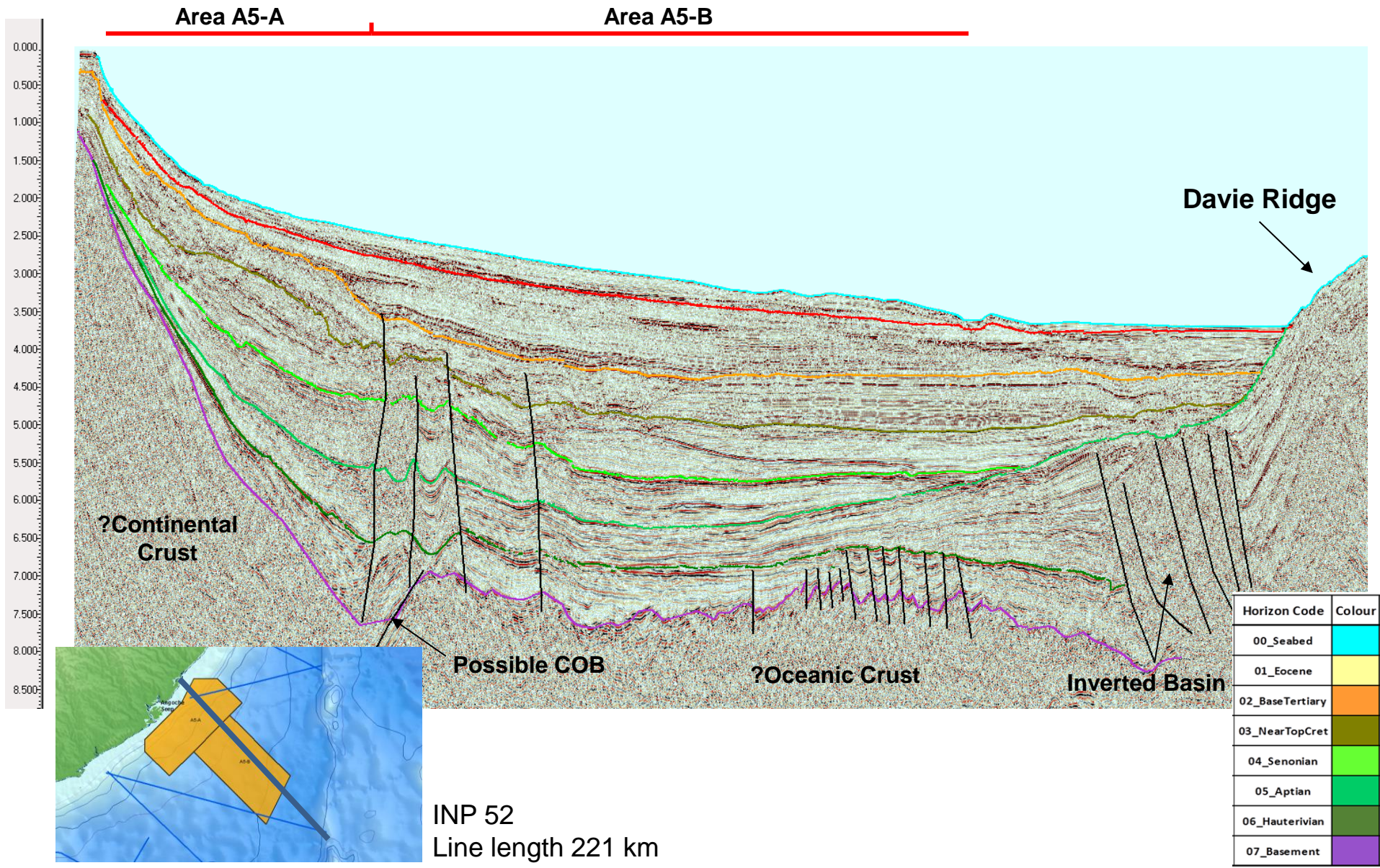
2 Areas

11,710 Km²



ANGOCHE	%	AREA A5-A (5,145 km ²)
Operator	34.0	Eni
Partner	25.5	Sasol
Partner	25.5	Statoil
ENH %	15.0	ENH
First Period		
Duration	4 Years	
Financial Commitments	115 M\$	
Work Commitments	3 Wells	
	4,400 km ² of 3D seismic	

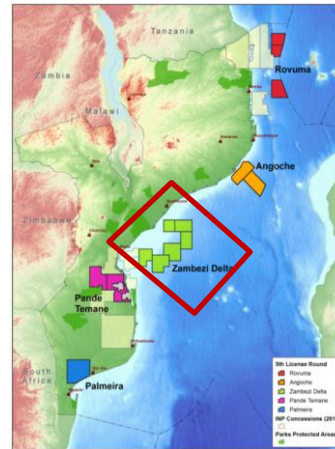
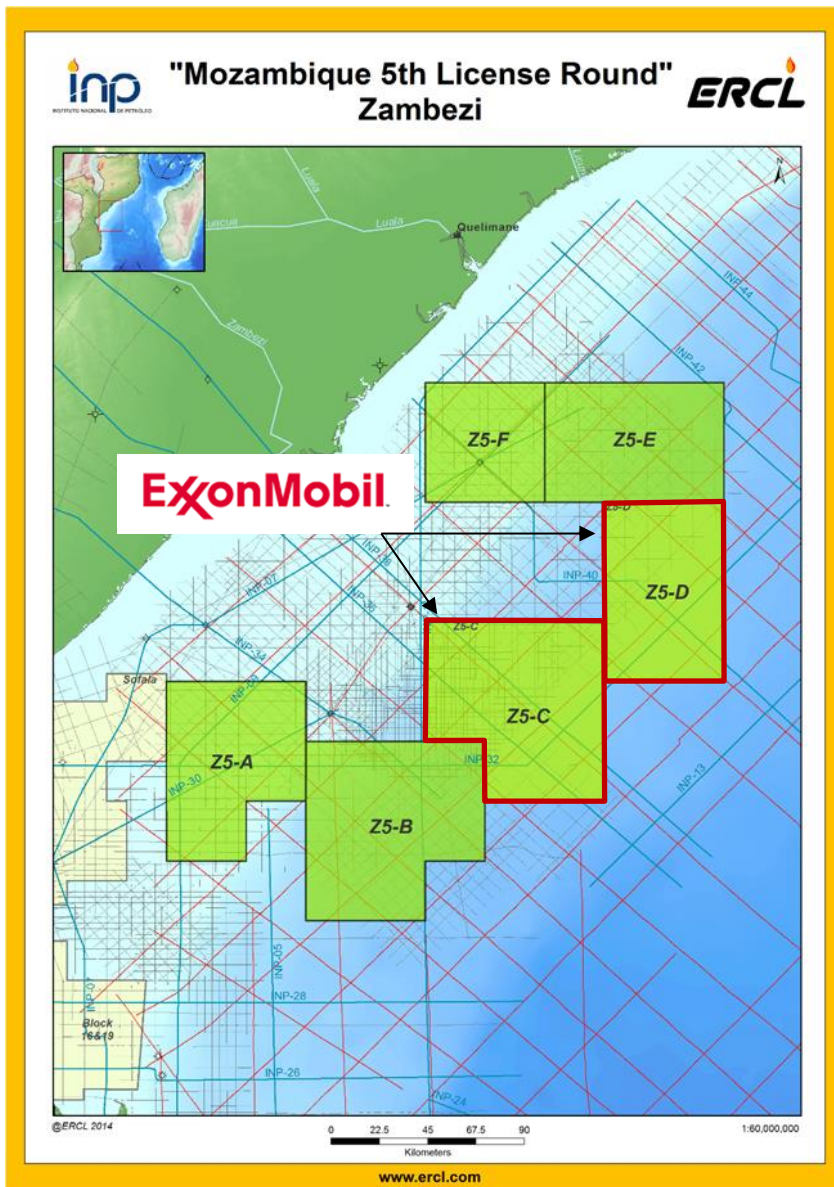
Angoche Seismic – INP 52



Zambezi

6 Areas

27,677 Km²

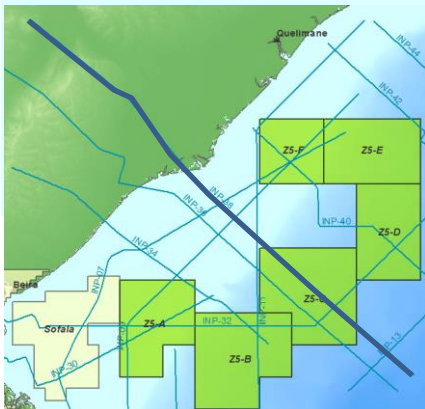
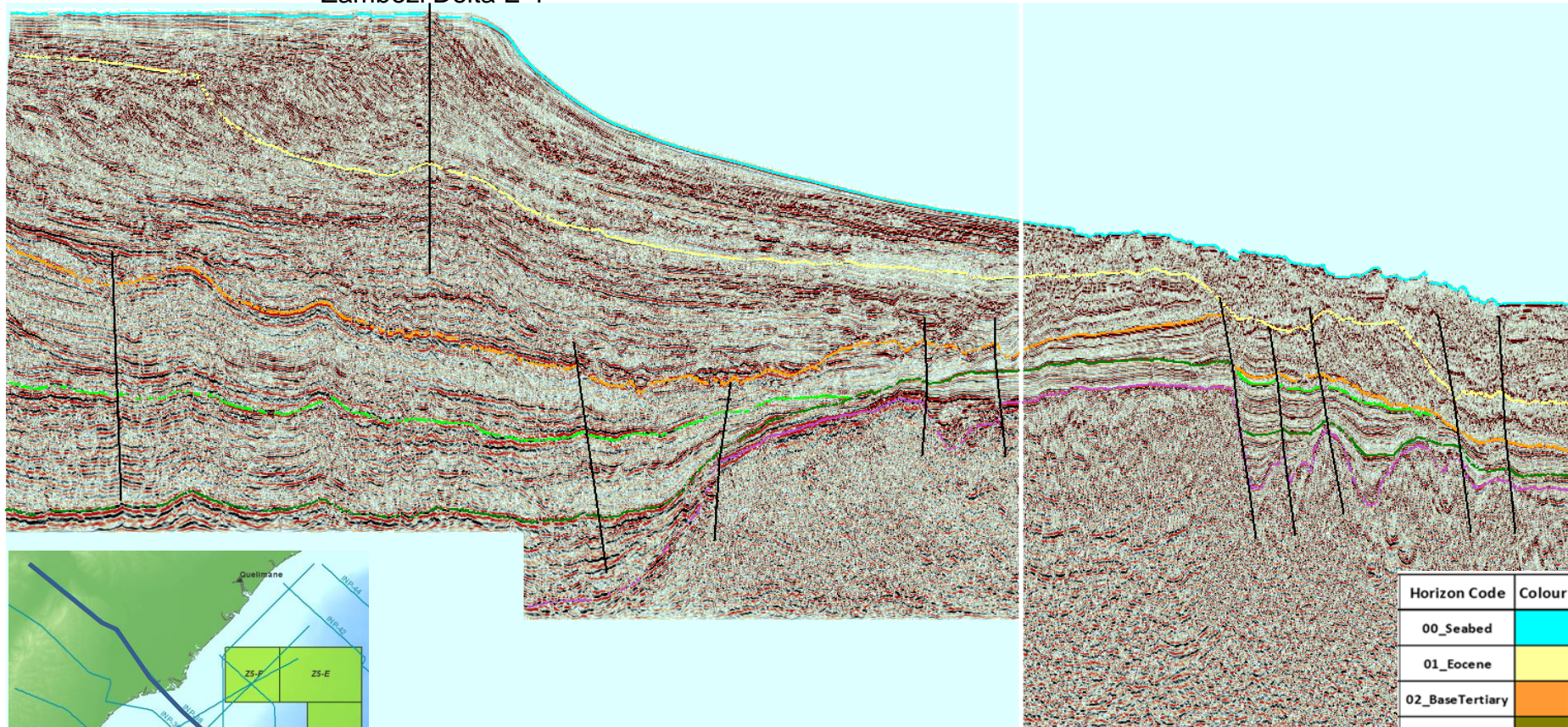


ZAMBEZI	%	AREA Z5-D (4,384 km²)
Operator	60.0	ExxonMobil
Partner	20.0	RN-Exploration LLC (Rosneft)
ENH %	20.0	ENH
First Period		
Duration	4 Years	
Financial Commitments	142 M\$	
Work Commitments	2 Wells	
	3,500 km ² of 3D seismic	

Zambezi Seismic – INP 38

Area Z5-C

Zambezi Delta E-1

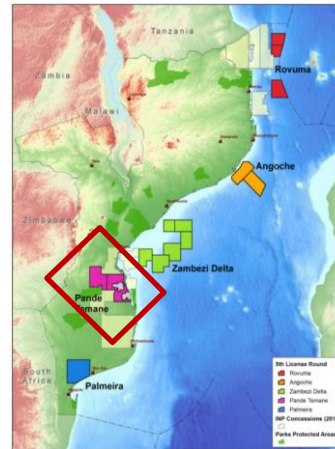
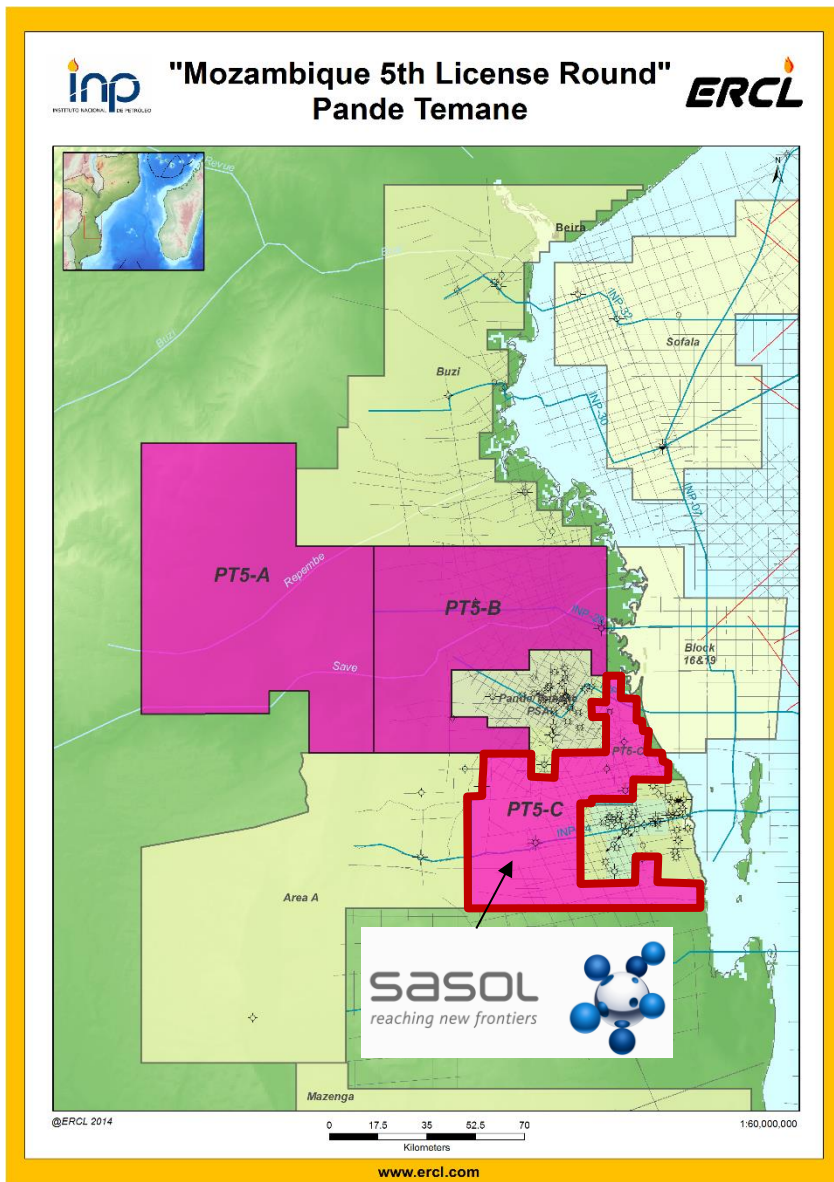


INP 38
Line length 438 km

Pande Temane

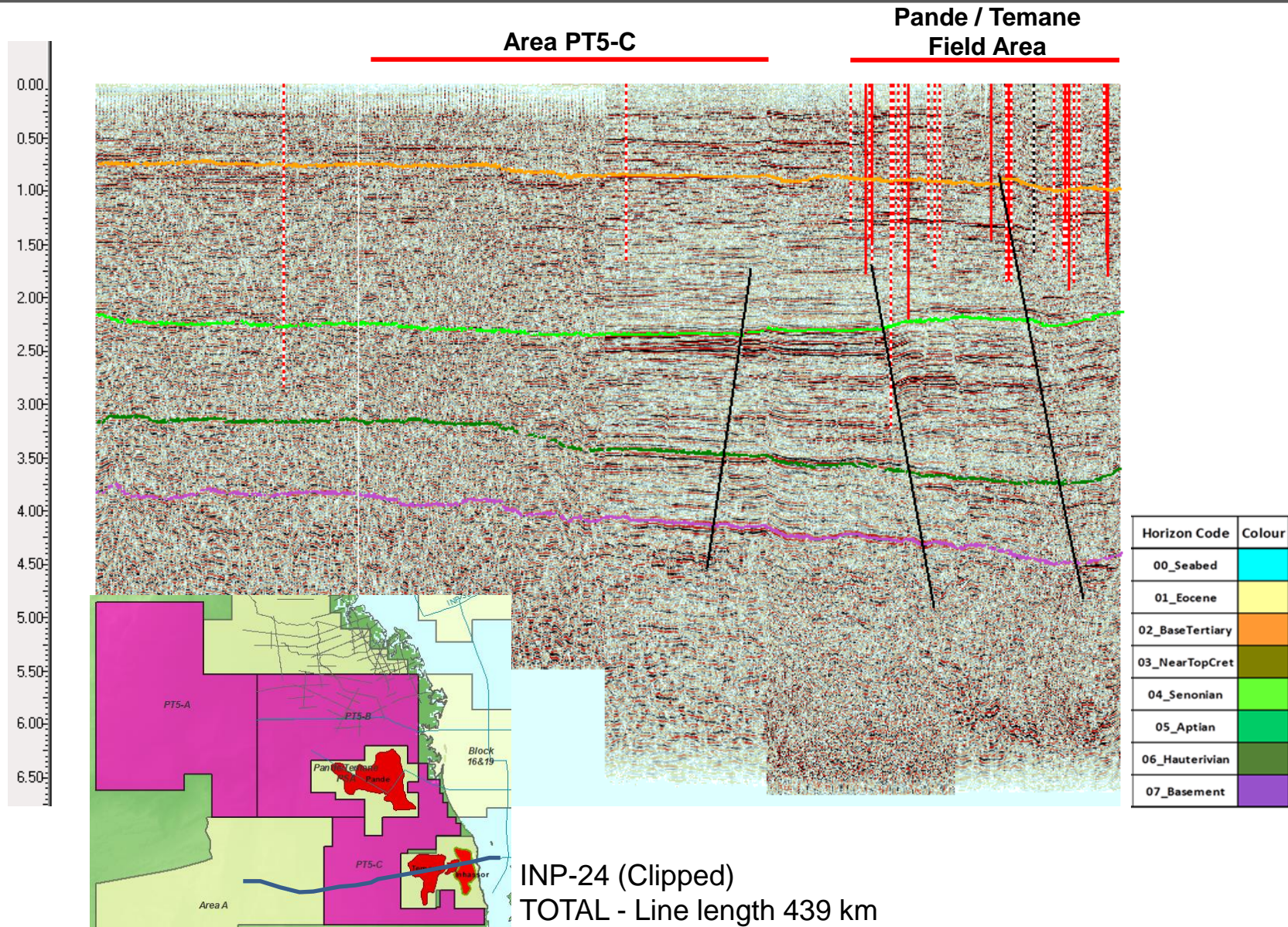
3 Areas

14,183 Km²



PADE TEMANE	%	AREA PT5-C (3,012 km ²)
Operator	70.0	Sasol
ENH %	30.0	ENH
First Period		
Duration	4 Years	
Financial Commitments	49 M\$	
Work Commitments	2 Onshore Wells	
	1,600 km ² 2D seismic	

Pande Temane Seismic – INP 24

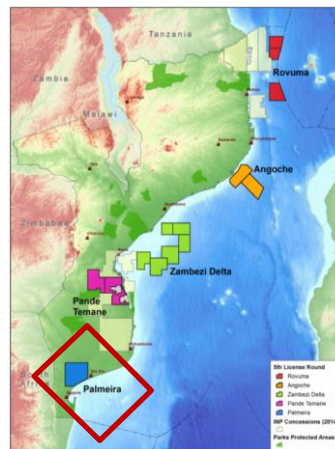
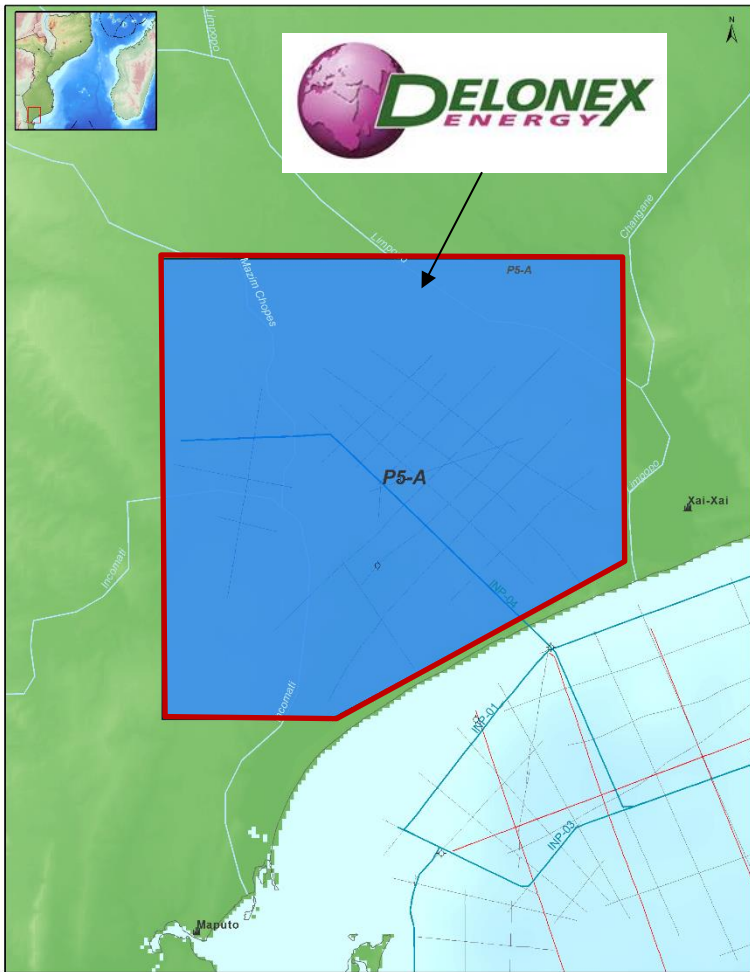


Palmeira

1 Block

9,988 Km²

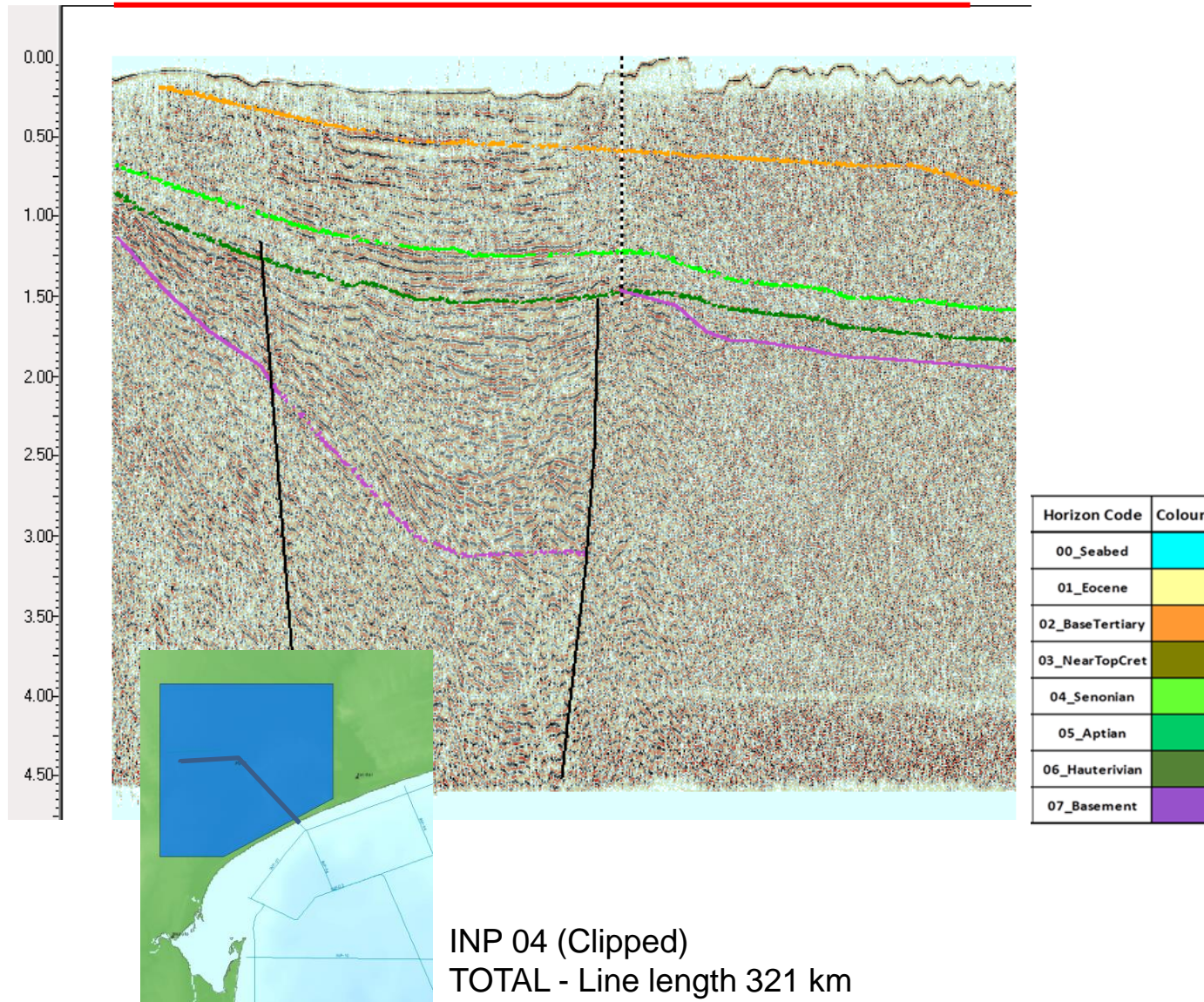
"Mozambique 5th License Round" Palmeira



PALMEIRA	%	AREA P5-A (9,988 km ²)
Operator	70.0	Delonex Energy Ltd
Partner	20.0	Indian Oil Corporation Ltd.
ENH %	10.0	ENH
First Period		
Duration	3 Years	
Financial Commitments	20 M\$	
Work Commitments	1,000 km ² of 2D	
	Gravity (FTG):10,000 km ² plus Magnetics	

Palmeira Seismic – INP 04

Area P5-A



Summary of First Period Work Programs

Despite the current low oil price, the bids received for all the areas awarded have very significant technical work programs indicating Mozambique's significant hydrocarbon potential.

The First Period of Exploration over the following years will see;

- Expenditure commitments of over 691 million USD
- Drilling of 8 deep water exploration wells
- Drilling of 2 onshore wells
- Acquisition of over 3,000 km of 2D seismic data
- Acquisition of over 18,400 km² of 3D seismic data
- Acquisition of over 10,000 km² of FTG (Full Tensor Gravity) data
- Acquisition of over 10,000 km² of high resolution magnetic data
- Other geotechnical studies

Mozambique 6th Round – Nomination Process

For the 6th round INP have announced they are considering a nomination process
– More information will be available in April

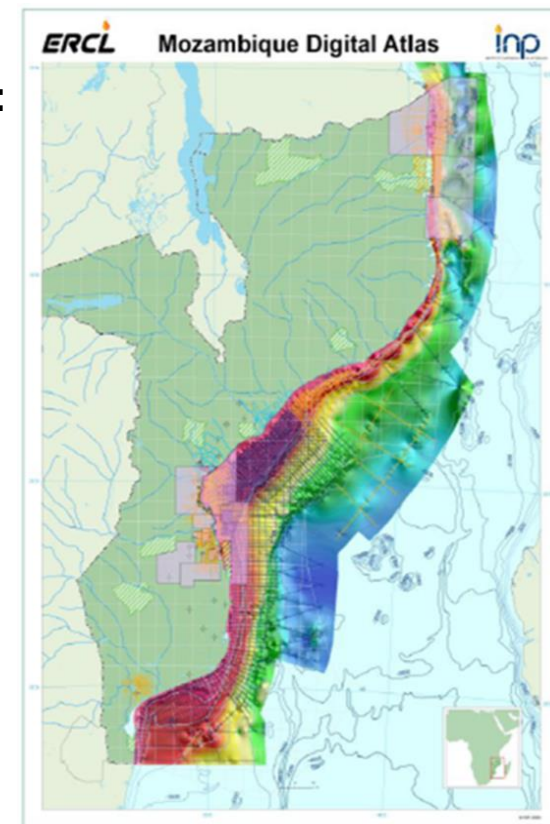
Data rooms available – INP, Maputo, Mozambique
Or ERCL, Henley on Thames, UK

➤ **Released data available to view in industry standard formats:**

- GIS
- Kingdom
- WEB / e-portal

➤ **Multiclient Studies:**

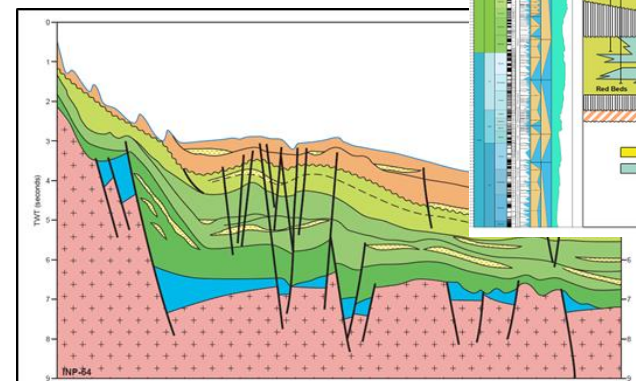
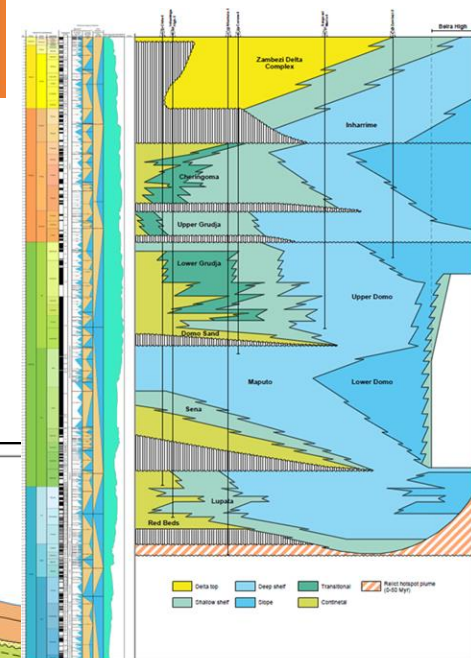
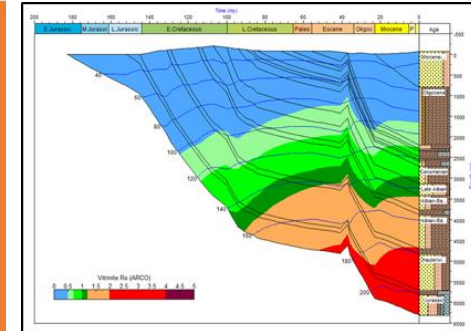
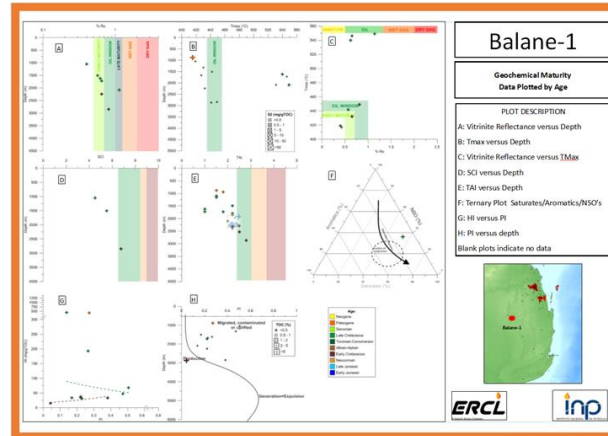
- MOZDA – Mozambique Digital Atlas
- Regional Reports and Overviews
- Block 16/19 (Njika) 3D Technical Review



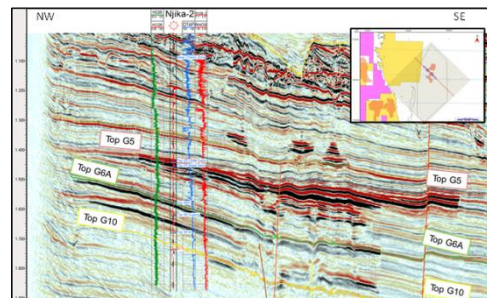
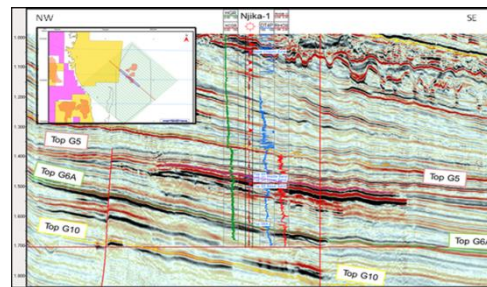
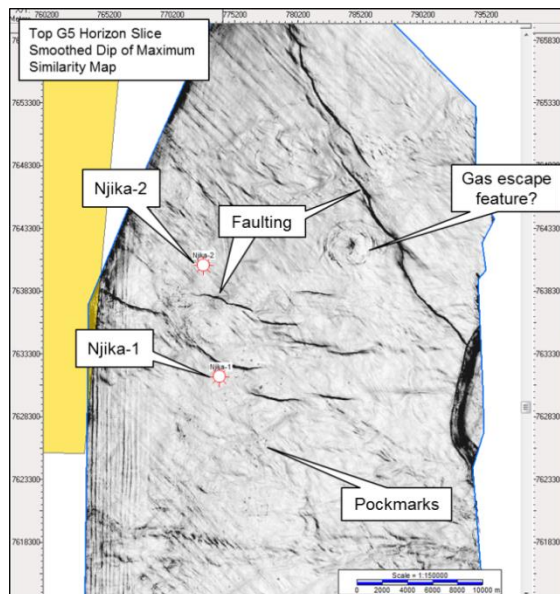
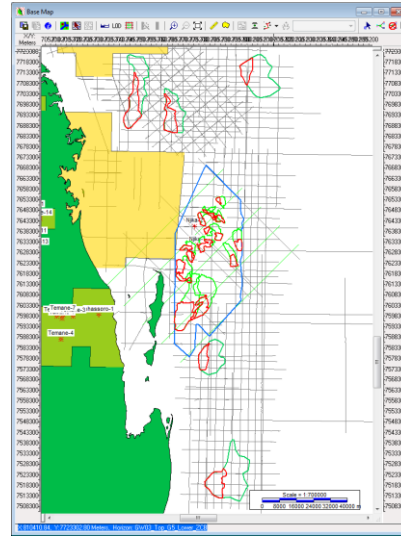
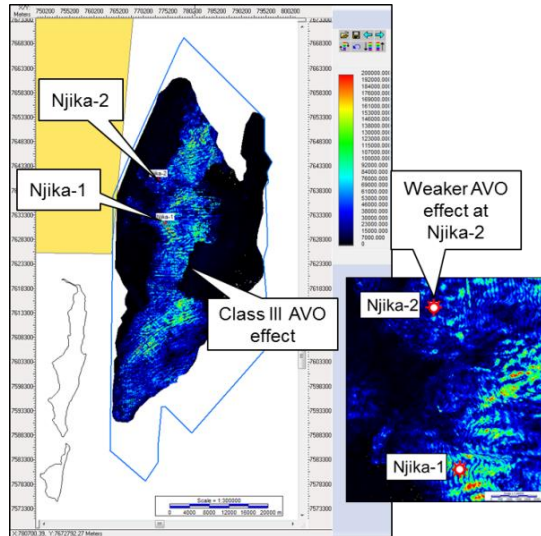
MOZDA 2015 Update – Licensed through INP

Ongoing projects include;

- Mozambique Field Atlas
- Hydrocarbon Shows database
- Geochemical database
- Post well analysis database
- Regional chronostratigraphic interpretation by basin
- Regional Stratigraphy update
- Play definition and play cartoons
- Presence and effectiveness maps for source, reservoir and seal
- Basin Modelling
- Update of the ERCL Crustal Model



Block 16/19 (Njika) 3D Survey Technical Review



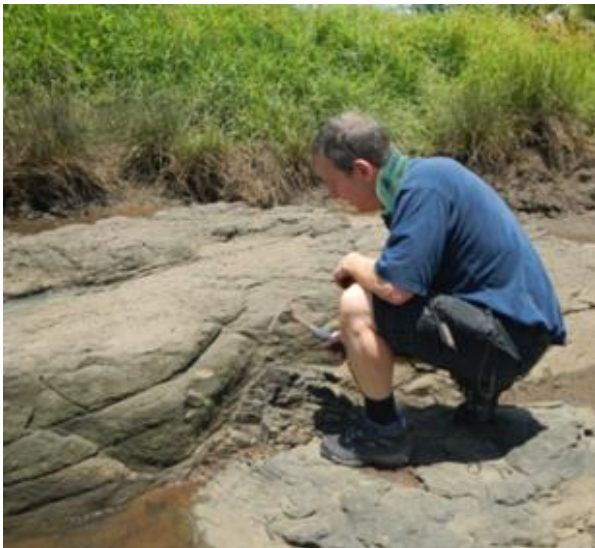
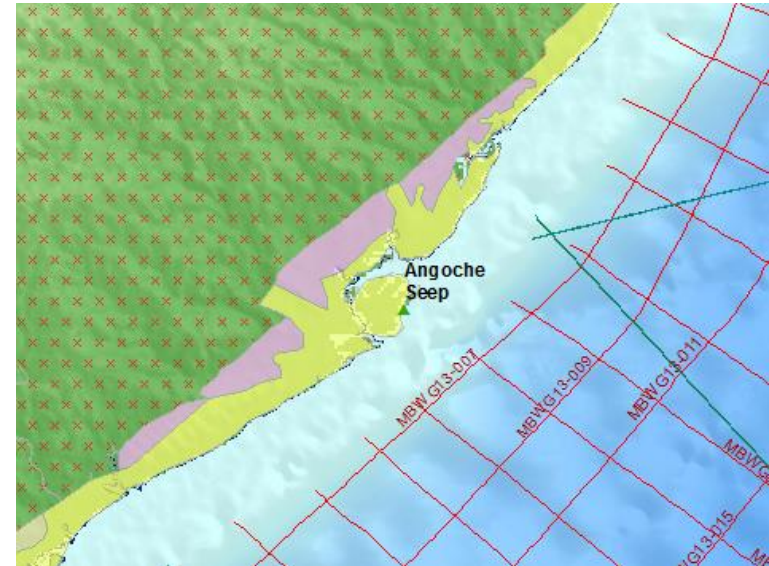
25 New Leads and prospects identified in Lower Grudja & Domo

- Lower Grudja and Domo seismic interpretation & prospectivity completed
- Associated GIS Project
- Accompanying marketing flyer and technical report
- Field Atlas updated with new work
- Data Room Kingdom and Petrel projects prepared
- DUG Project available
- Data Room available for viewing at the ERCL Offices

Field Work - Angoche

Reconnaissance Field Visit to Angoche, Febuary 2016:

- Surface Geology review
- Sample Seep
- Oil Analysis
- Rock sample Analysis



INP Exploration Strategy

- To maximise value creation from the petroleum resources in the country.

INP Future Licensing Policy

- Licensing through open competitive bidding rounds
- Access to data / prepared data packages
- Sufficient time/resources for promotion

6th Licensing Round Areas

- Work is already underway to define the areas
- Companies will be invited to nominate areas of interest
- New Multi Client 3D Program already started with Schlumberger in Angoche Area
- Other Multi Client proposals under evaluation

6th Round Initial Time Frame

- Nominations October 2016
- 2017 License Round

**As given at Africa Upstream
29th October 2015**

Thank you for listening

**Come and See Us at Booth 21
in the International Pavilion**

For further information please visit
www.inp-mz.com
www.ercl.com

