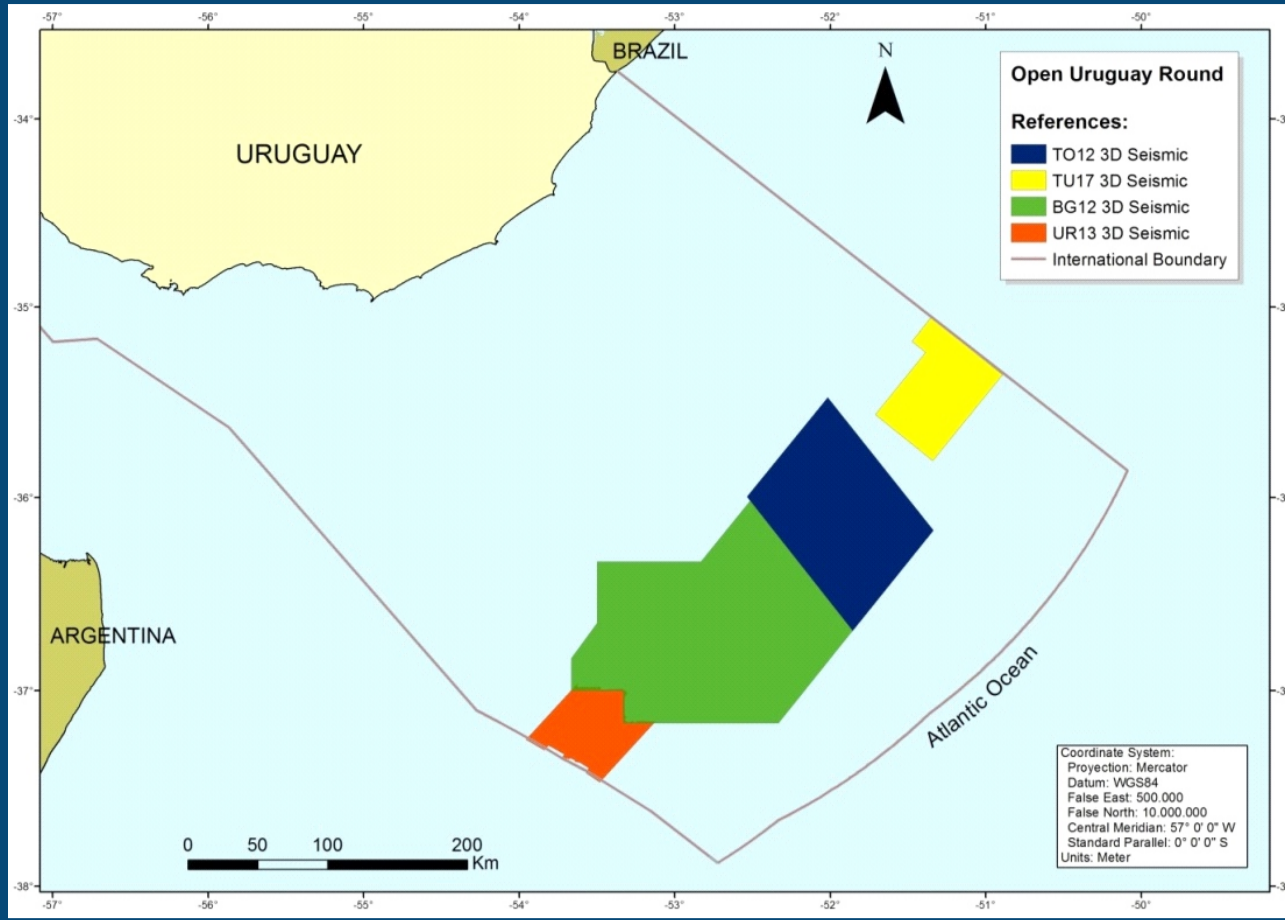
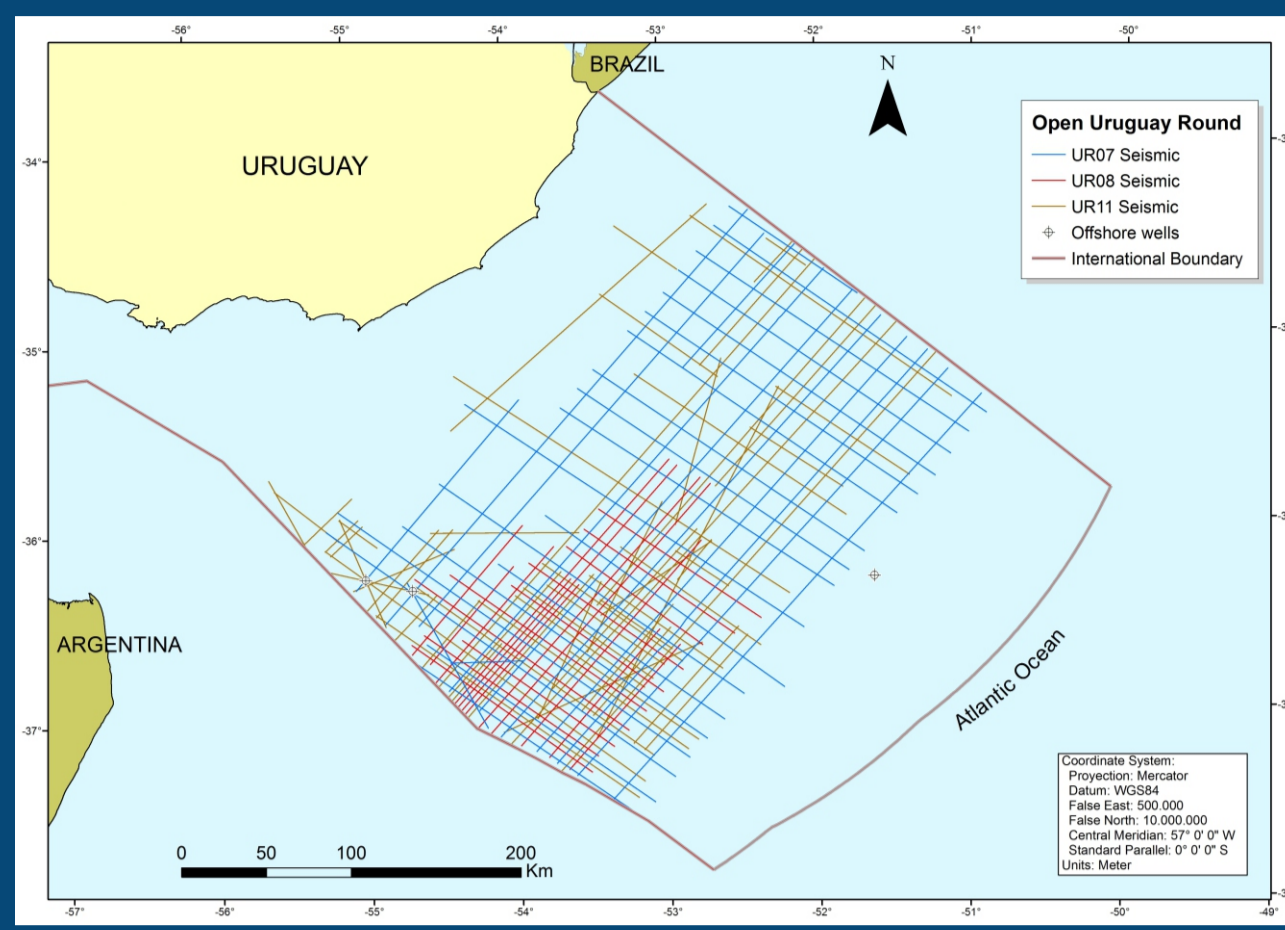


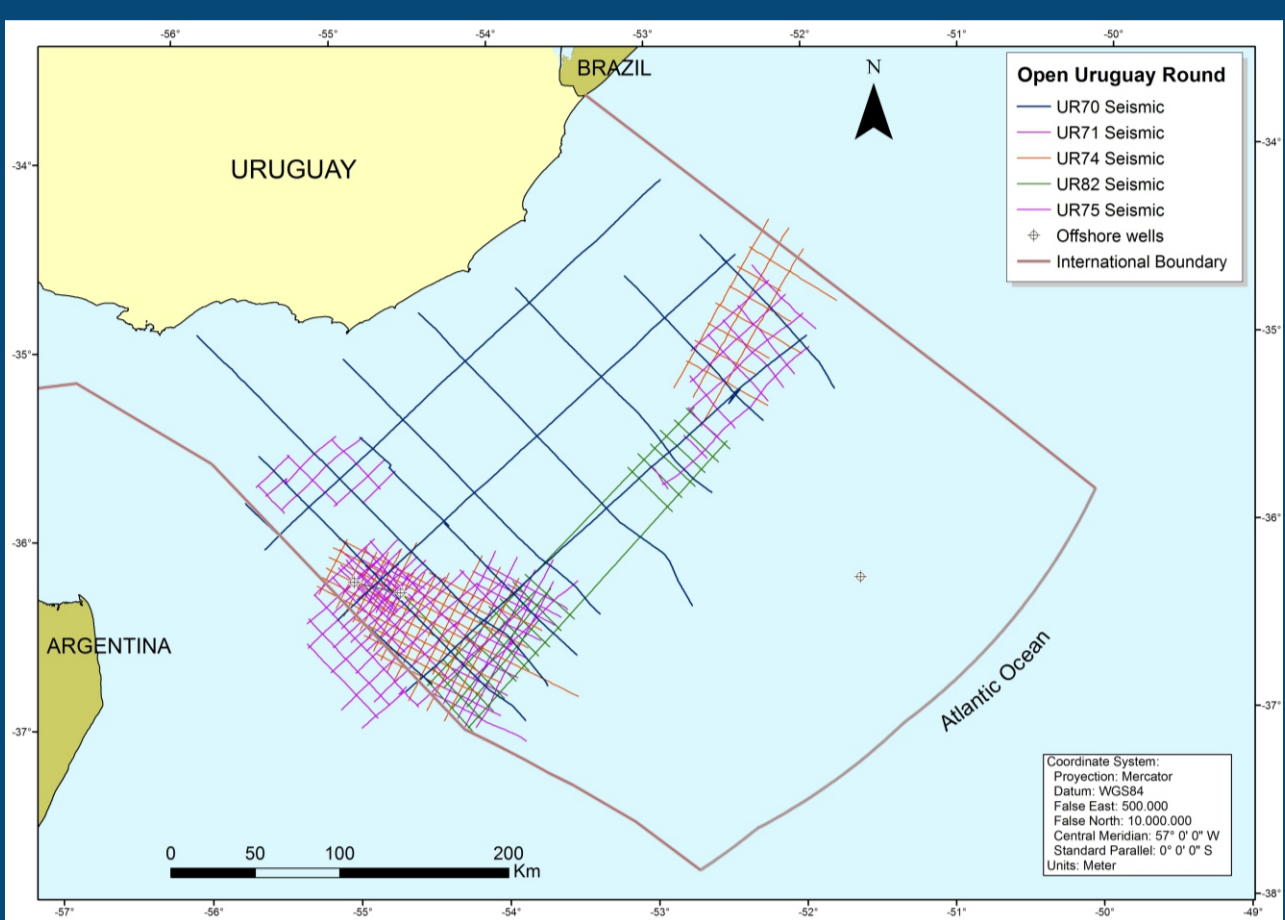
## ANCAP 3D SEISMIC DATA



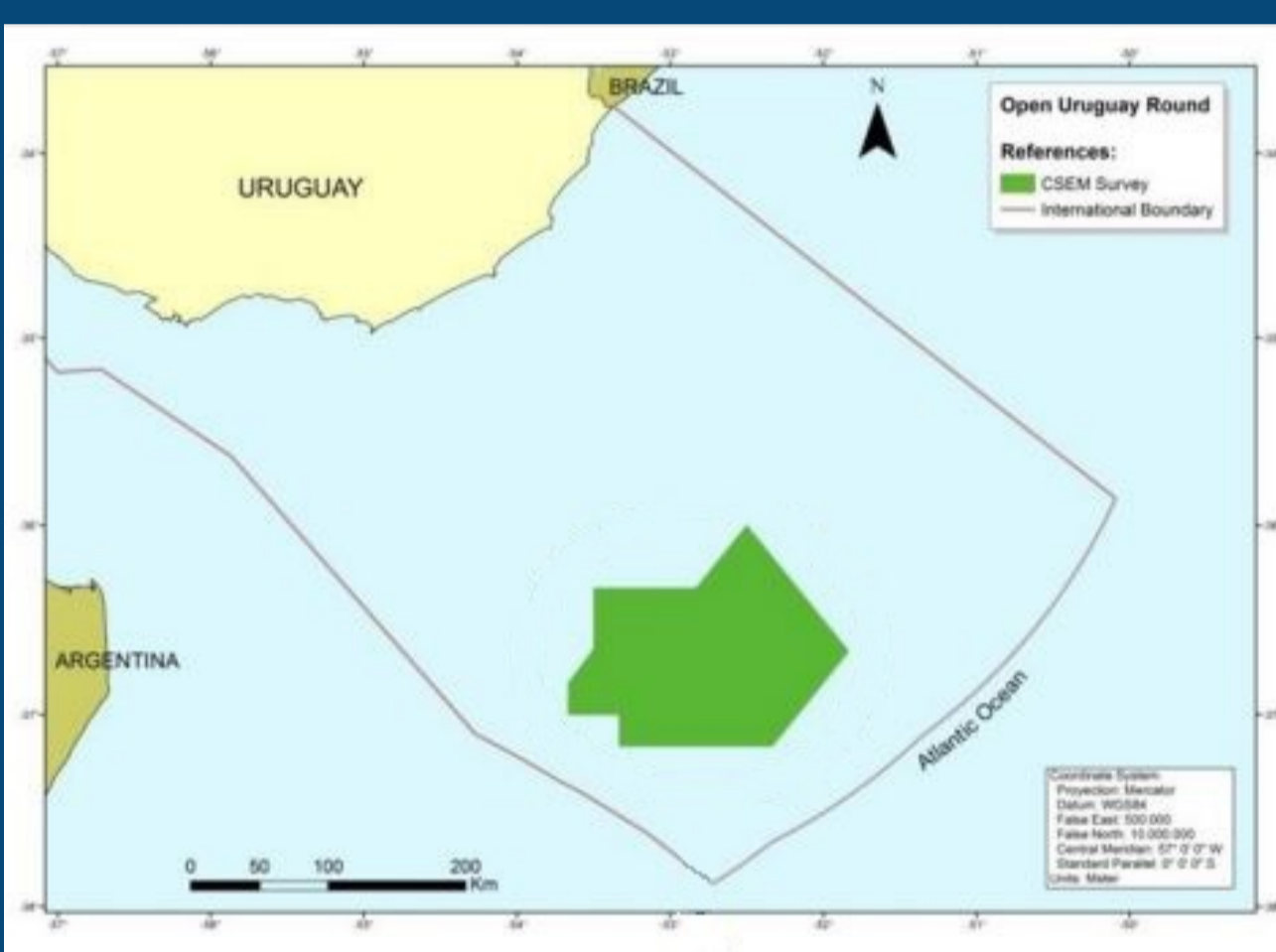
## ANCAP 2D SEISMIC DATA (2007, 2008, 2011)



## ANCAP 2D VINTAGE SEISMIC DATA

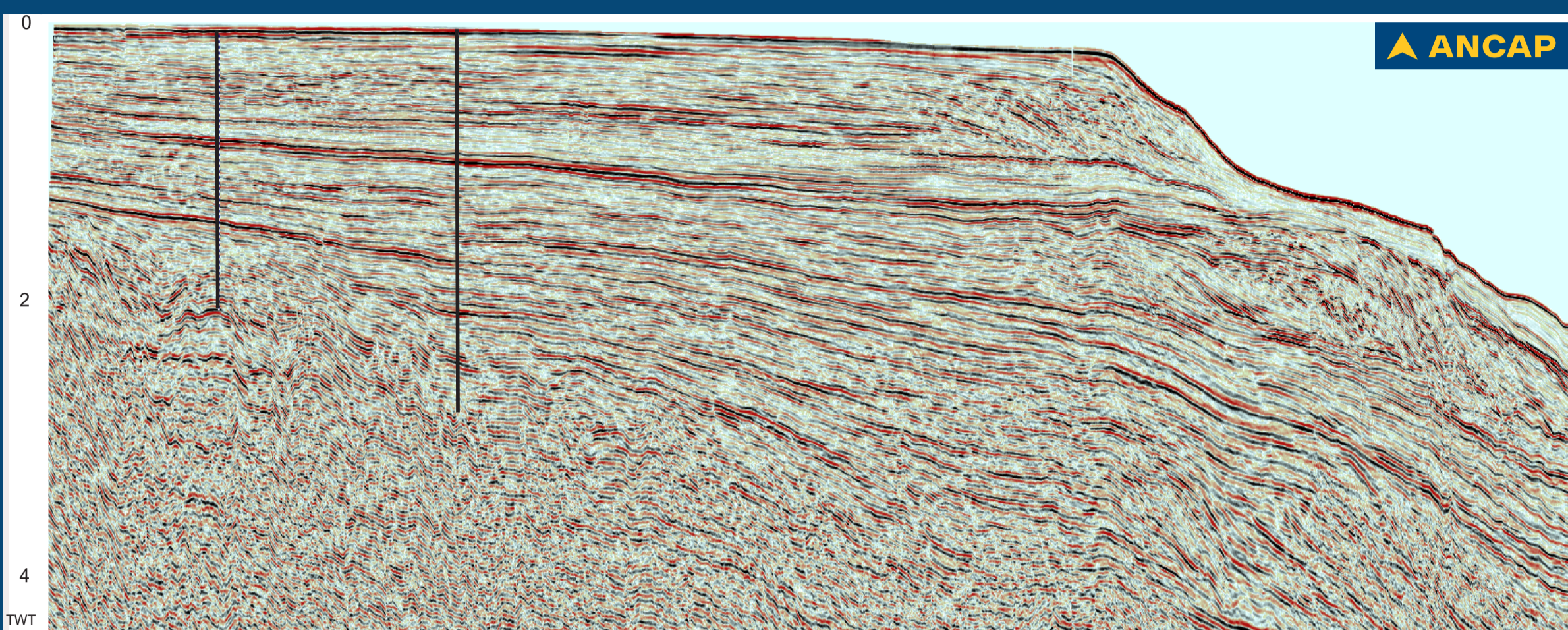
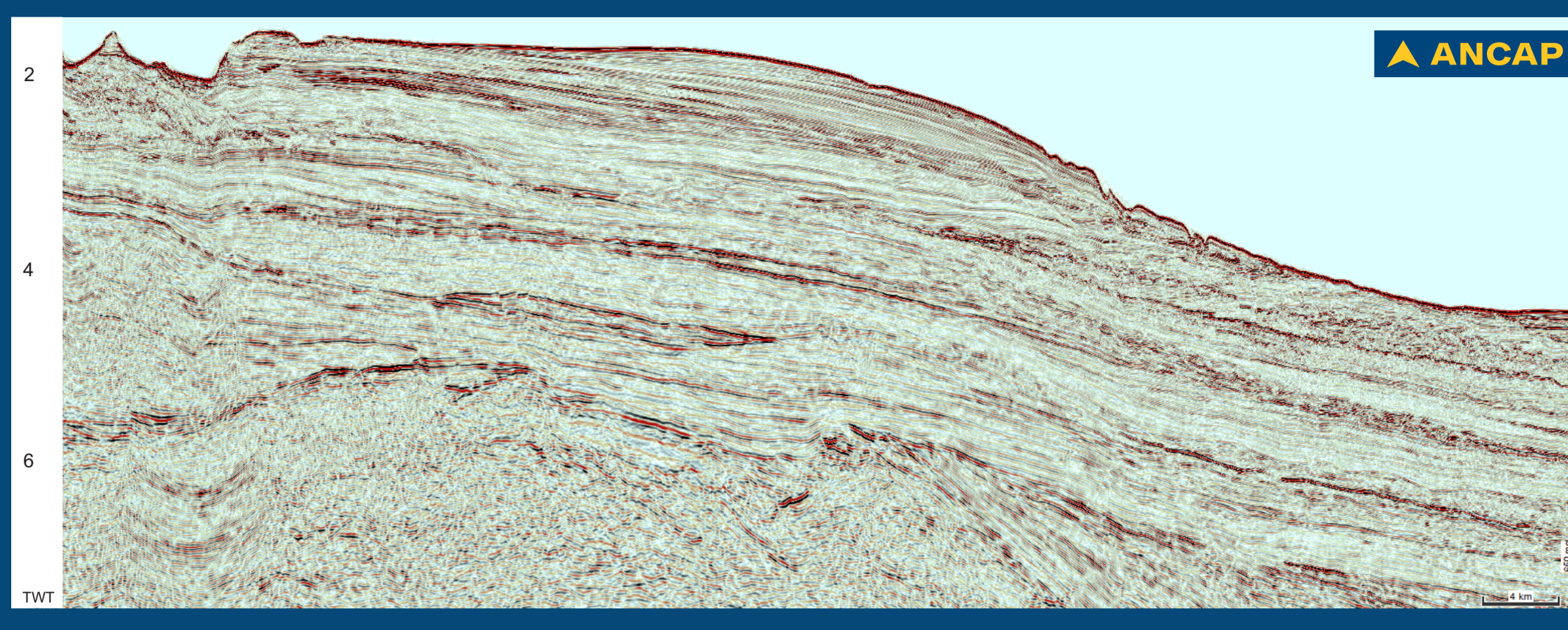
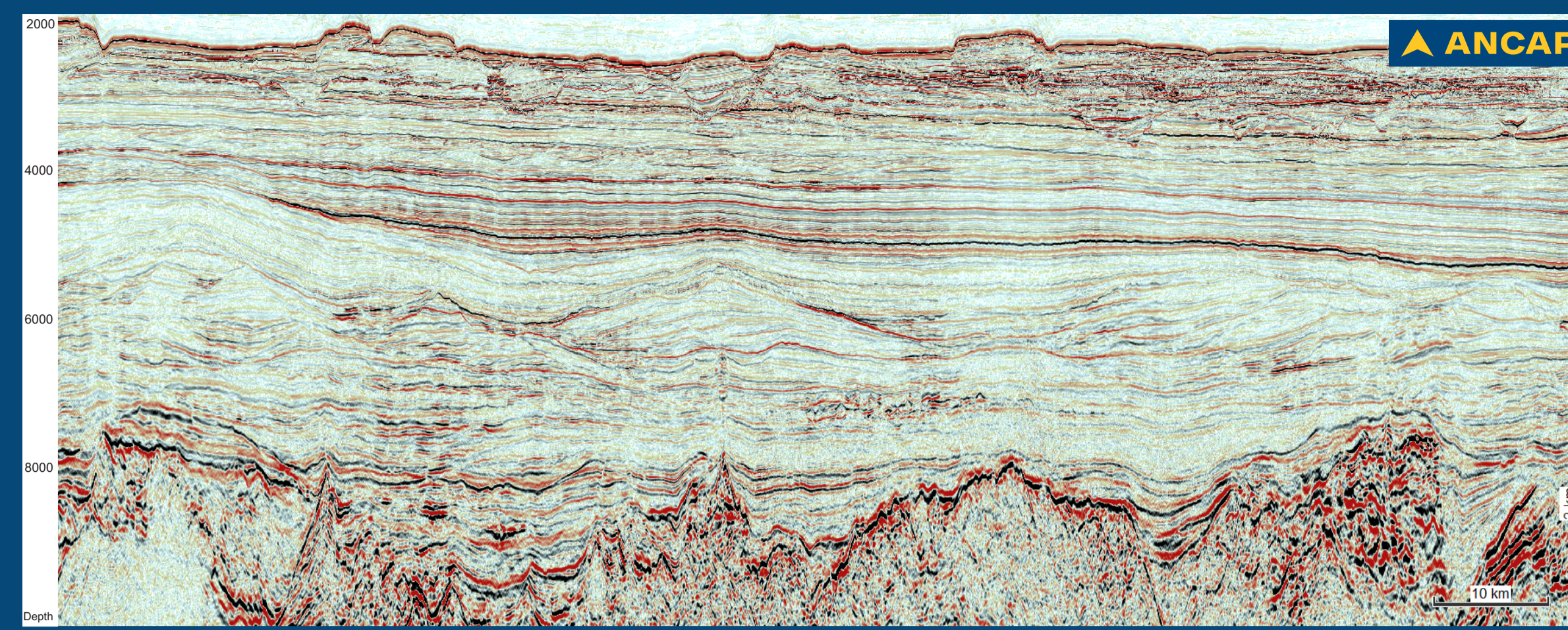


## OFFSHORE 3D ELECTROMAGNETISM



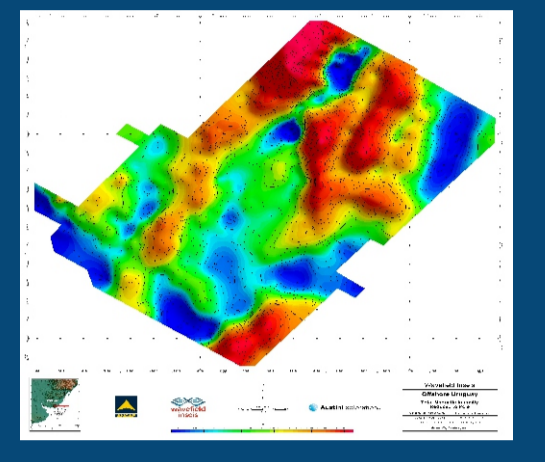
13,080 km<sup>2</sup> of 3D CSEM data acquired between 2014-2015, includes MMT data previously acquired by CSEM survey design

## EXCLUSIVE ANCAP DATA

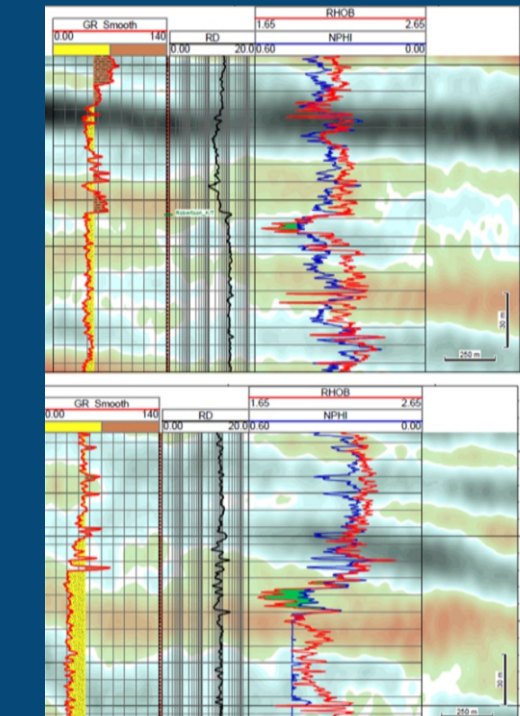


Contact: Pablo Rodríguez, parodrigue@ancap.com.uy

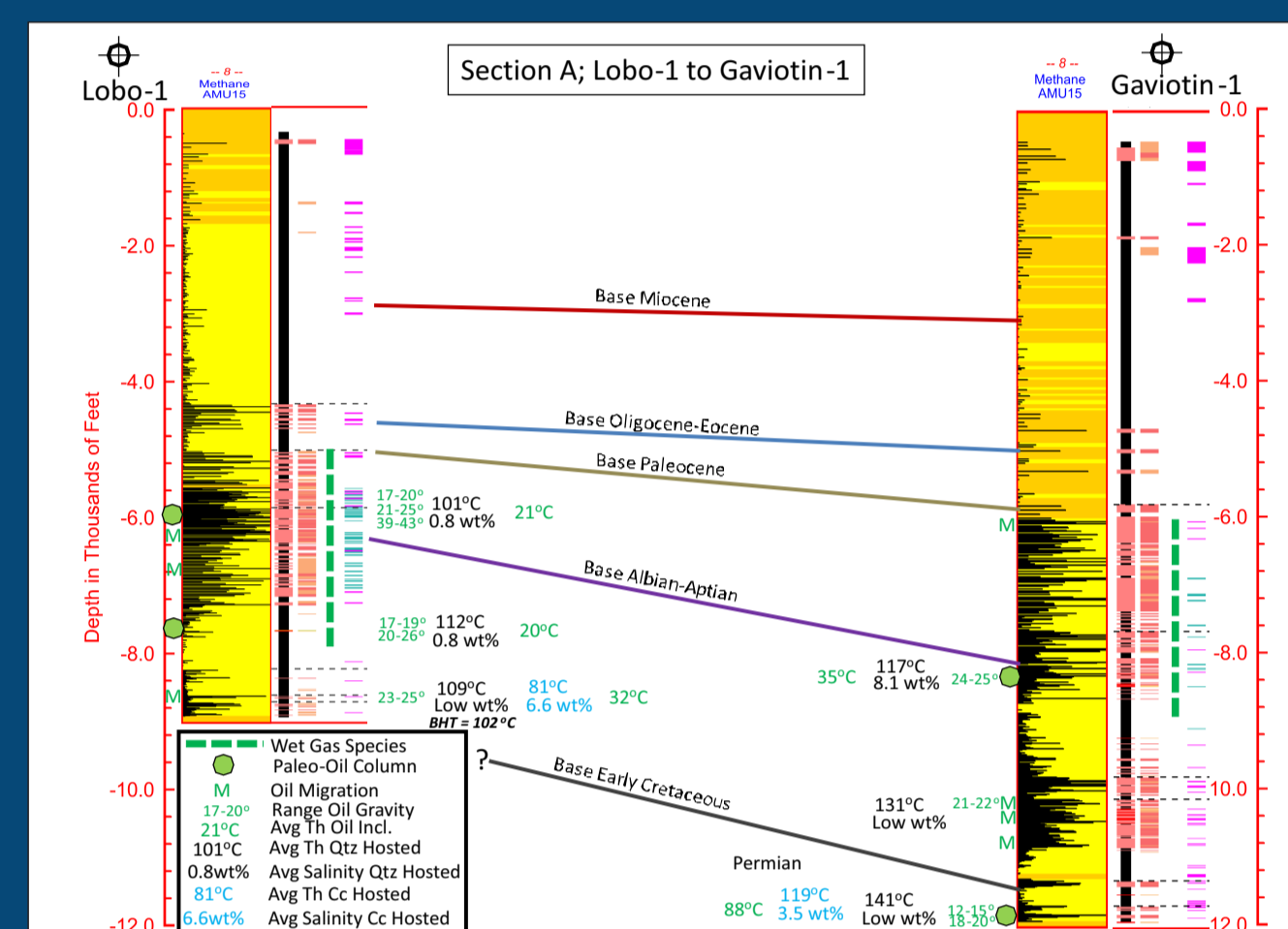
- (2013): 2,082 Km<sup>2</sup> FF. Operator YPF. Acquired and processed by Western Geco.
- (2012-2014): 13,306Km<sup>2</sup> FF, Operator BG. Acquired by Polarcus, processed by PGS.
- (2012-2014): 7,145 Km<sup>2</sup> FF (2 phases), Operator TOTAL. Acquired by Western Geco, processed by Schlumberger and TOTAL.
- (2017): 2,533 km<sup>2</sup> FF. Operator Tullow Oil. Acquired by Polarcus, processed by Western Geco.
- (2007-2008): 6,991 km FF (UR07) and 2,817 km FF (UR08). Operator ANCAP. Acquired by Wavefield Inseis. Processed by Geotrace. PSTM only. Mag & Grav data included.
- (2011): 6,294 FF km (UR11). Operator ANCAP. Acquired by Reflect Geophysical. Processed by Western Geco. PSTM & PSDM. Mag & Grav data included.



- (1970-1982): 11,144 km 2D seismic surveys
- (1976) Lobo X-1 & Gaviotin X-1 wells: Logs & Reports

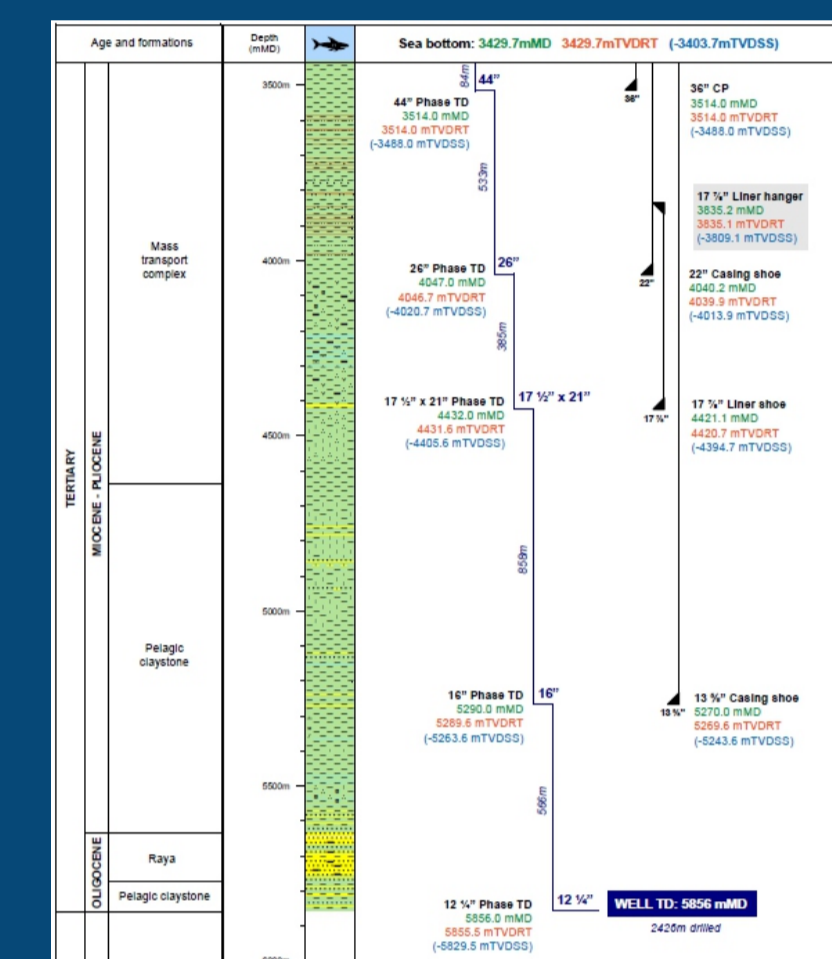


## FLUID INCLUSIONS REPORT



Study of fluid inclusions in Lobo X-1 & Gaviotin X-1 wells, including stratigraphy, petrography, API gravity and oil bio-markers analyses.

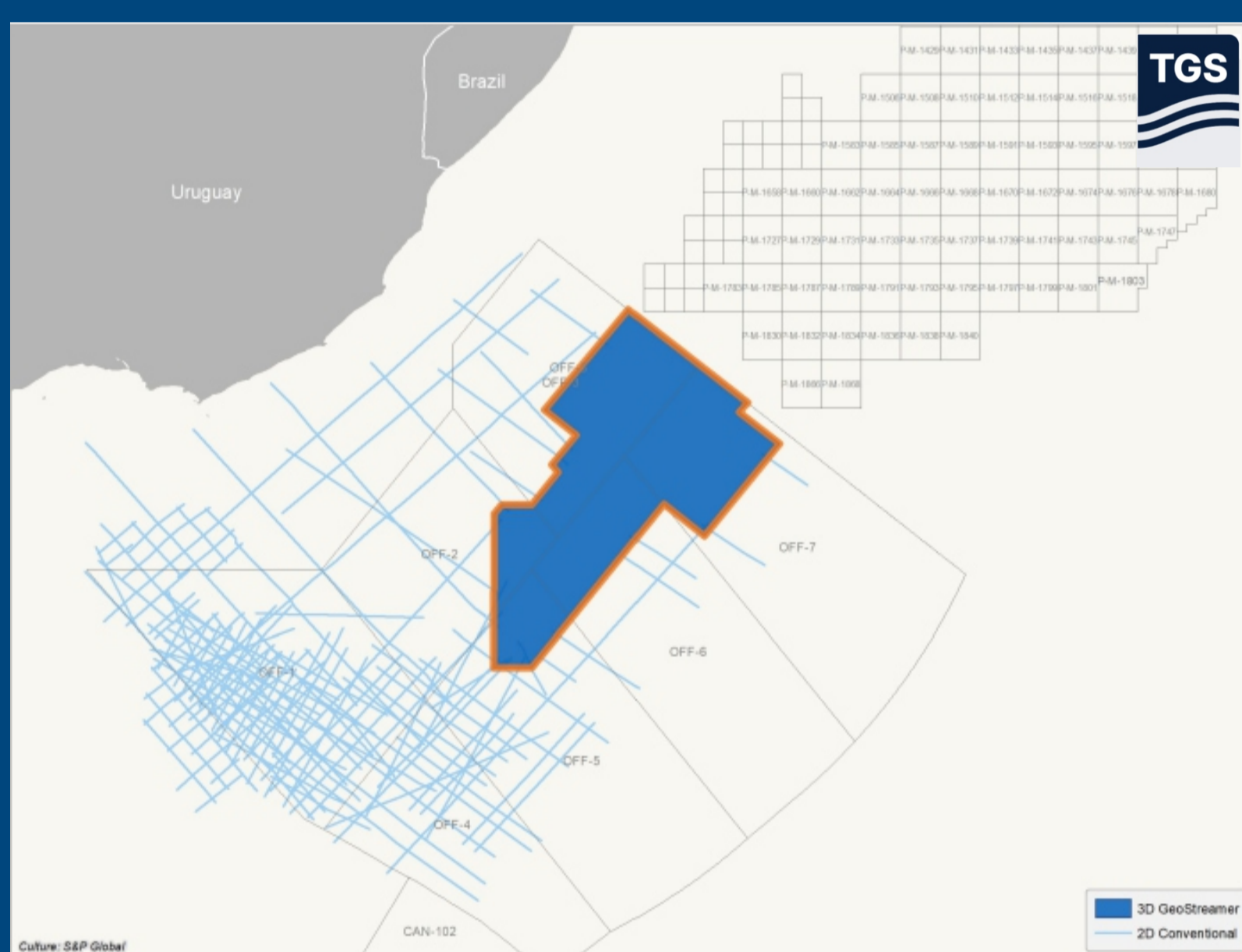
## RAYA X-1 WELL (2016) DATA PACKAGE



Wireline logs (final section), LWD, mudlogging and reports. Final geological and drilling reports. Formation fluids and geochem analyses, cuttings' mineralogy and biostratigraphy.

## MULTICLIENT 3D SEISMIC REPROCESSING BY TGS

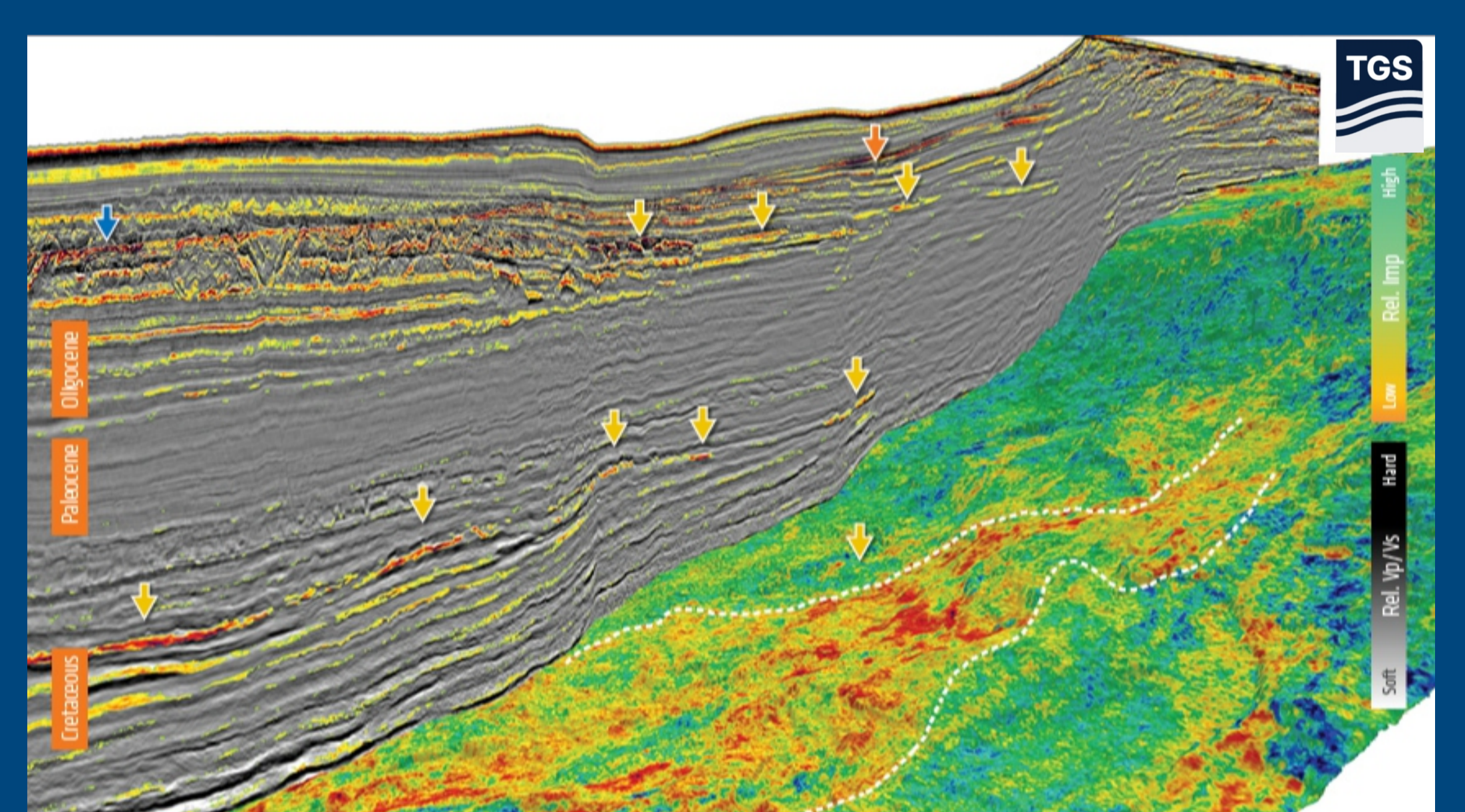
### UR-12 REPROCESSING (TGS)



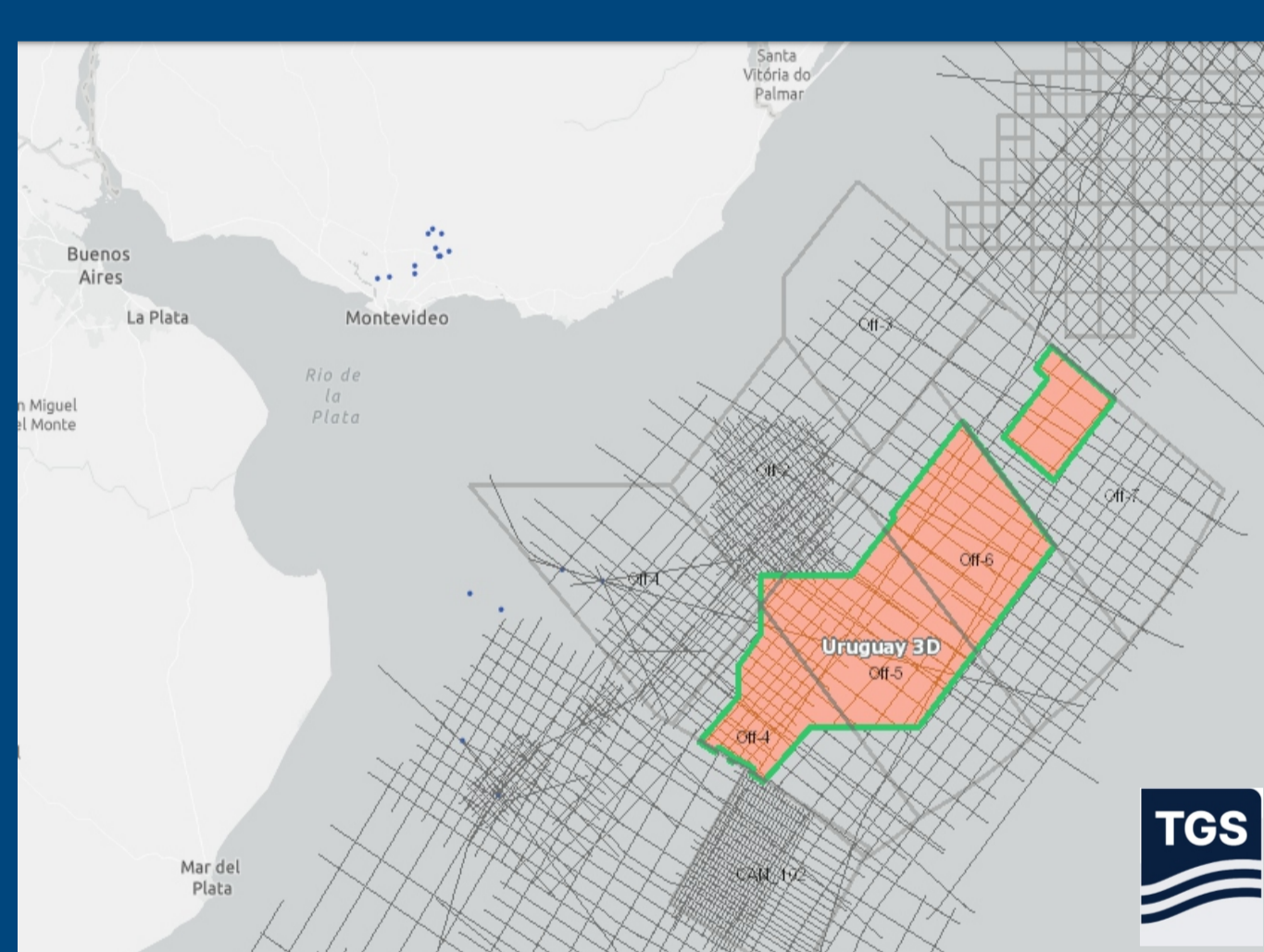
### SURVEY CHARACTERISTICS

**Uruguay 3D GeoStreamer**  
15,600 sq km GeoStreamer survey offshore Uruguay covering a large portion of the Pelotas basin  
The Uruguayan offshore basins were formed during the break-up of Gondwana and later opening of the Atlantic Ocean during the Late Jurassic to Early Cretaceous period. The breakup between Africa and South America formed a rift system in the Jurassic but evolved into a passive continental margin.  
Opening of the Atlantic Ocean contains four major tectonic segments each bounded by major fracture zones perpendicular to the axis of rifting. Offshore Uruguay is located within the southern Austral segment bounded to the South by the Falkland Fracture zone, to the North by the Rio Grande zone.  
GeoStreamer delivers broadband data even under harsh operating conditions due to the deep tow configuration. The TGS GeoStreamer dataset is well positioned to provide further insights into this underexplored region which has significant prospectivity potential.

### IMAGING



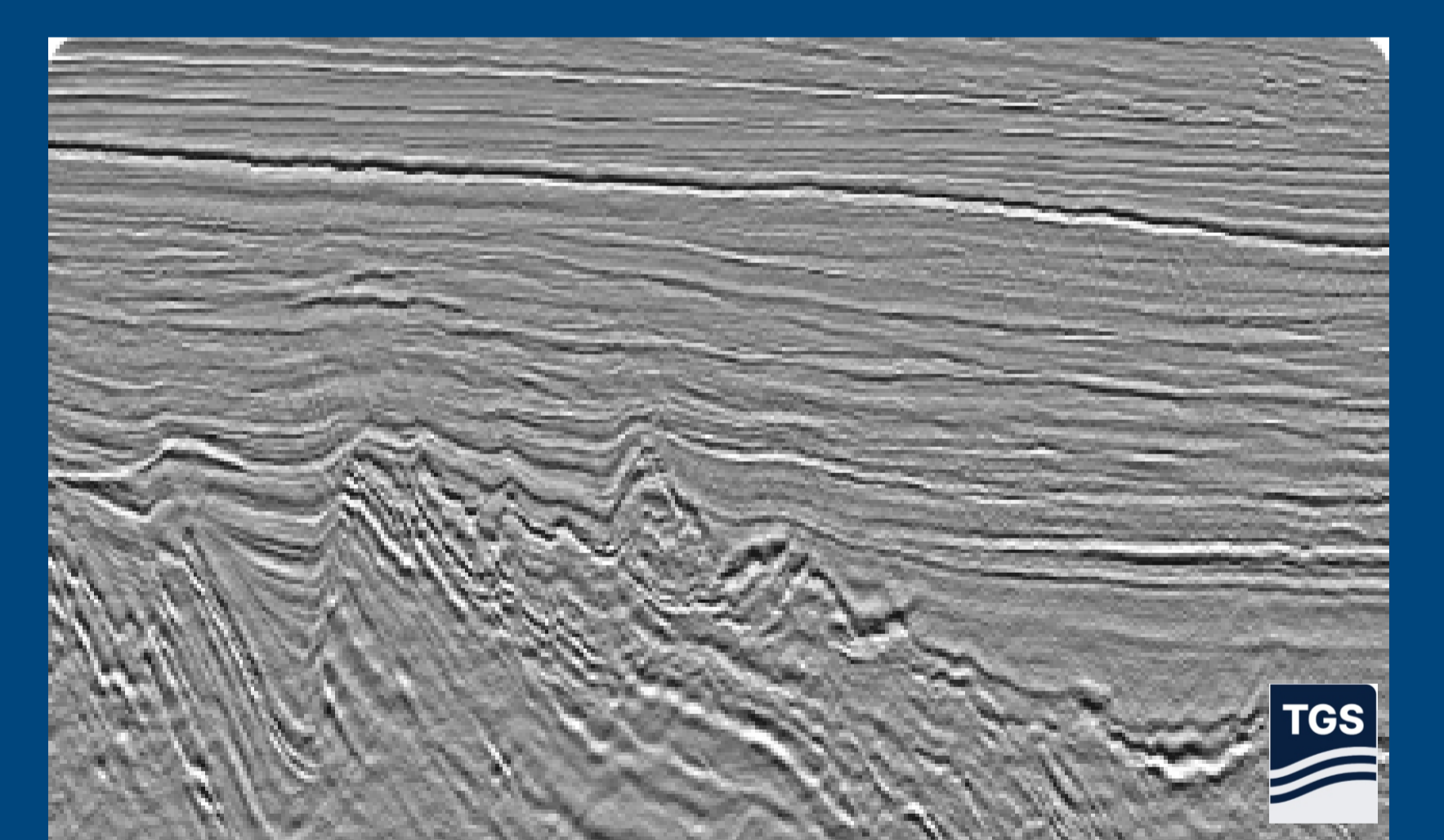
### TANNAT REPROCESSING (TGS)



### SURVEY CHARACTERISTICS

- |   |  |  |  |
|---|--|--|--|
| <b>Tannat 3D Repro</b> <ul style="list-style-type: none"> <li>25,000 km<sup>2</sup> of reprocessed data</li> <li>A contiguous, seamlessly merged 3D data using vintage volumes in slope and deep water setting</li> <li>Regionally integrated and reprocessed using advanced imaging techniques</li> <li>Hosts a library of lead and prospects in the slope and deep water positions</li> </ul> | <b>UruguaySPAN</b> <ul style="list-style-type: none"> <li>~2,800 km of high quality data</li> <li>Depth imaged to 40 kilometers</li> <li>PSDM and PSTM available</li> <li>Regional framework survey provides the basis for a more accurate understanding of the regional geology, plate boundaries and basin architecture</li> </ul> | <b>Uruguay 2D</b> <ul style="list-style-type: none"> <li>10,415 km</li> <li>Provide a seismic dataset across the Punta del Este and Pelotas Basins while tying to existing Argentina and Brazil surveys</li> <li>Captures the limits of the play fairways in offshore Uruguay and images deep water units to develop new play ideas</li> </ul> | <b>Uruguay 2D Repro</b> <ul style="list-style-type: none"> <li>~10,200 km of tight-grid, legacy data</li> <li>Ties and transmits key structural and depositional features and important wells</li> <li>Improves understanding of the distribution of Early Cretaceous source rocks and reservoirs</li> </ul> |
|---|--|--|--|

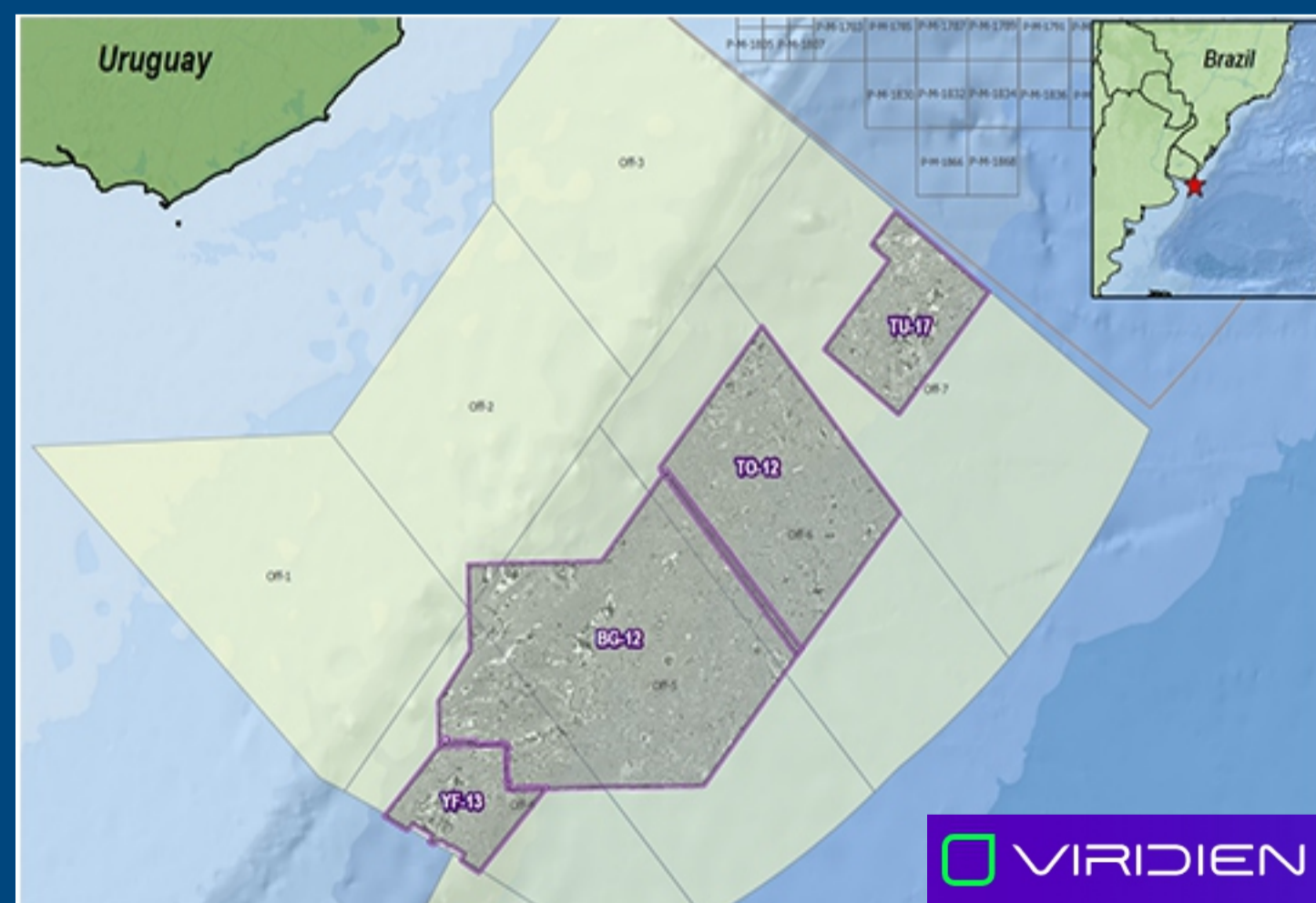
### IMAGING



Contact: Evelyn Sagarra, Evelyn.Sagarra@tgs.com

## MULTICLIENT 3D SEISMIC REPROCESSING BY VIRIDIEN

### VIRIDIEN 3D SEISMIC REPROCESSING



### CHARACTERISTICS

### Uruguay 3D Reimaging

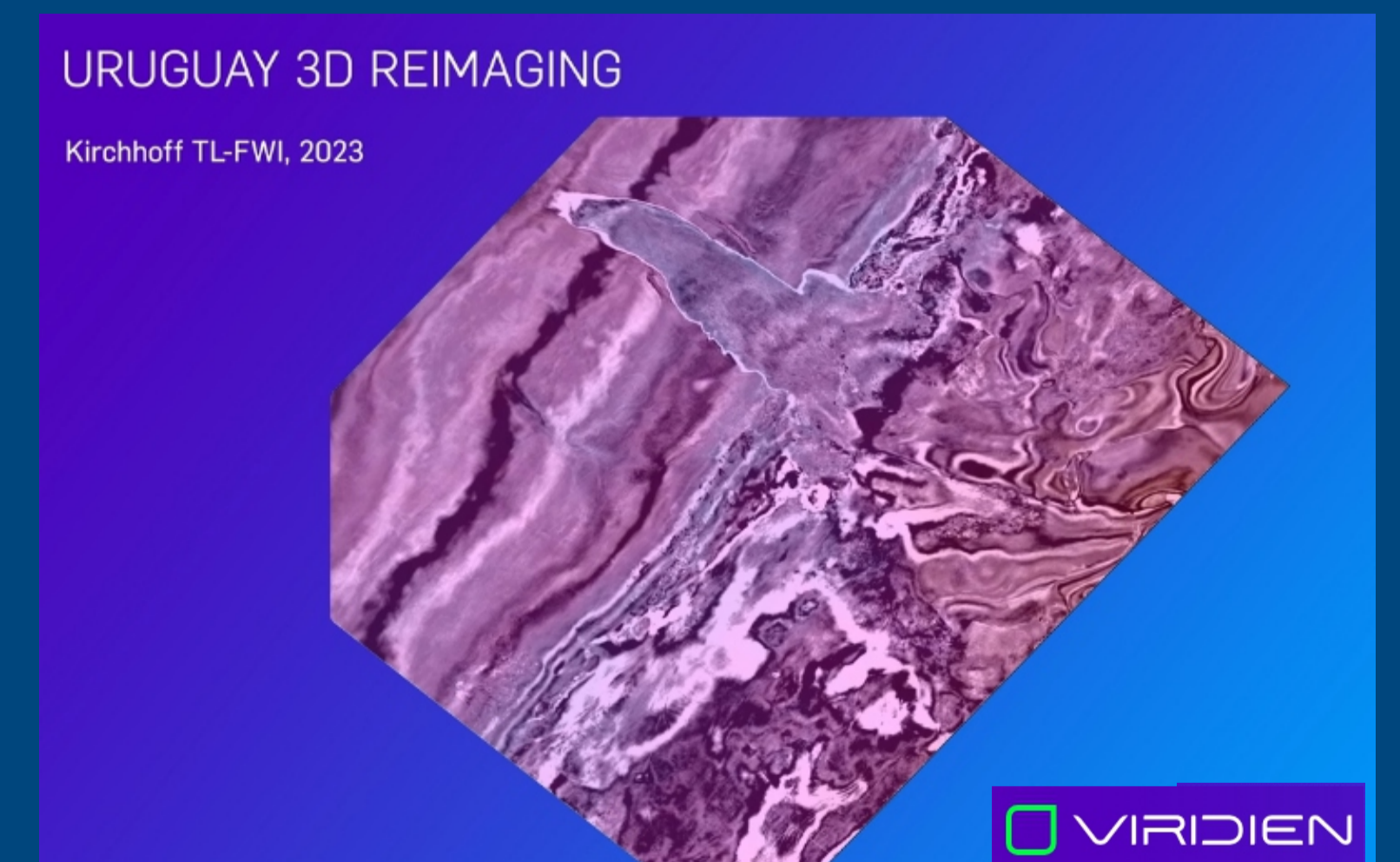
Identify exploration risk and new production targets with high-quality images

Recent discoveries offshore Namibia have shed a renewed light on the Uruguay conjugate margin, where similar formation conditions have reproduced similar plays.

CGG has committed to reprocessing 25,000 km<sup>2</sup> of legacy seismic 3D data offshore Uruguay using the most advanced imaging technologies, such as TL-FWI, to enhance existing data and provide previously unseen details of the deepwater formations of the South American nation.

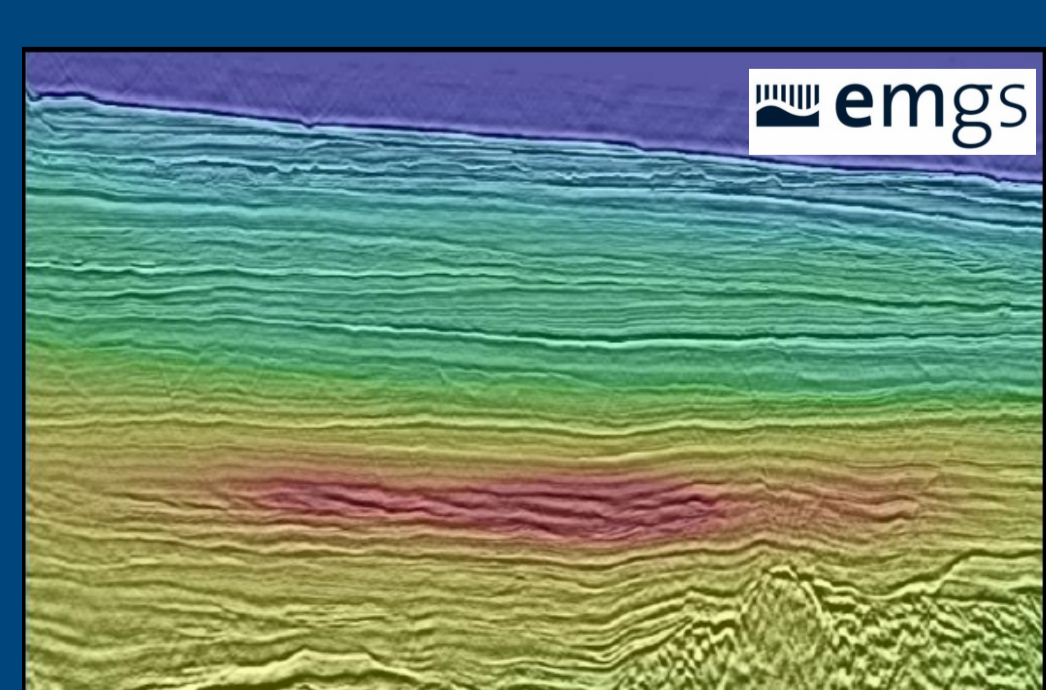
Contacts: Anna Lougon, Anna.Lougon@viridiengroup.com

### IMAGING



## REPORTS AND OTHER MULTICLIENT DATA

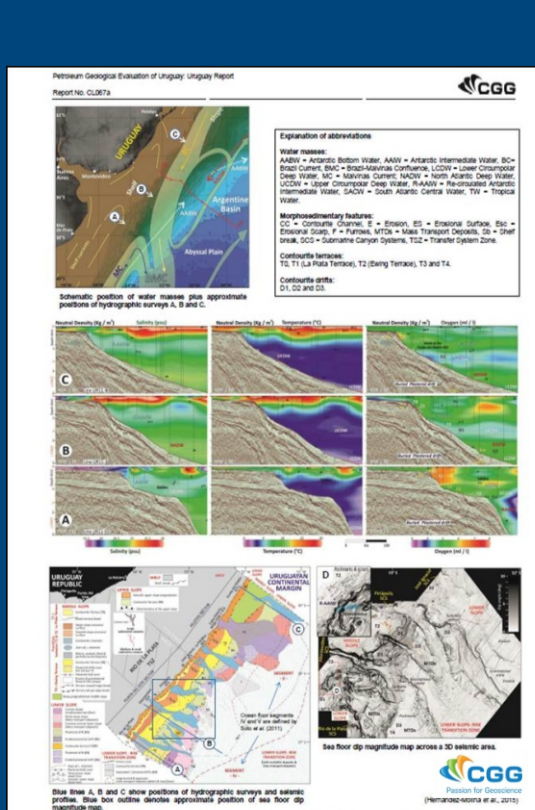
### REPROCESSING OF CSEM



Reprocessing of 13,500km<sup>2</sup> of CSEM acquired by EMGS for BG in 2013

Contact: Lars Petter Solevag, lps@emgs.com

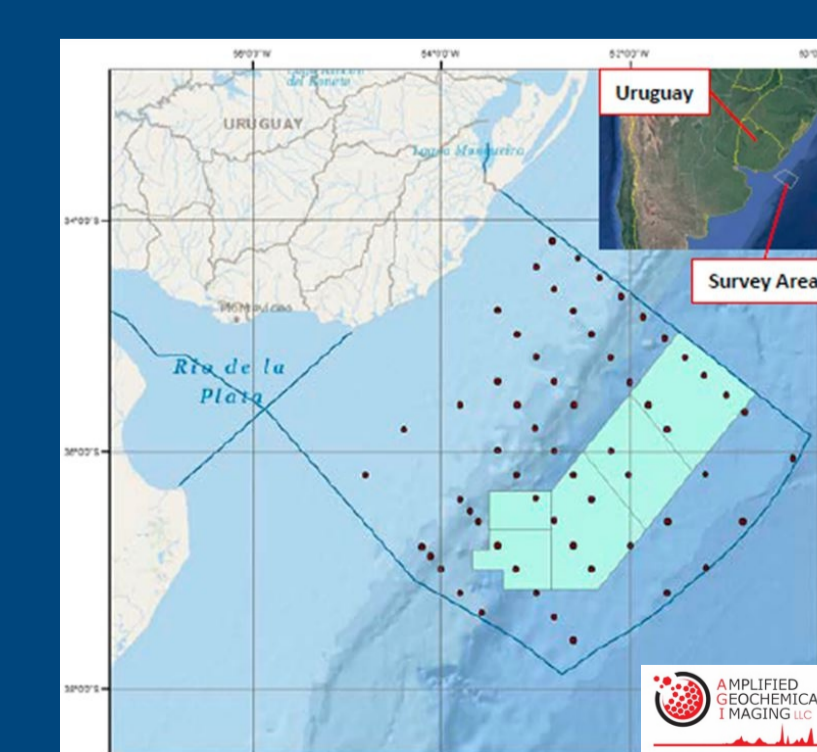
### PRETROLEUM GEOLOGY EVALUATION



- Reports:
- South Atlantic Petroleum Geological Evaluation Uruguay Report (2012).
  - Petroleum Geology in Uruguay: Complementary study of Pelotas, Laguna Merin and Punta del Este Basins (2014).

Contact: Ceri Davies, ceri.davies@viridiengroup.com

### MICRO-SEEPS DETECTION PROGRAM



- Sea bottom sediment geochemical study.
- Evaluation of microseeps and correlation with source rocks, evidence of active petroleum system

Contact: Mark Arnold, arnold@agisurveys.net

