PROGRAM OVERVIEW

The Southern Atlantic margin is one of the southern hemisphere's most under-explored offshore regions. To address the stratigraphic potential of offshore Uruguay, ION has reprocessed 10,000 km of tight grid, 2D legacy data originally shot in 2007 and 2008. This dataset covers almost all of the available acreage in the upcoming deepwater Round 3 Uruguay license round. ION provides a unique comprehensive basin model and geologic evaluation to support acreage evaluation in the upcoming license round.

This recently reprocessed 2D legacy seismic data have resulted in an improved understanding of the syn-rift and passive margin stratigraphic units of the Uruguayan margin. Increased resolution of structural and stratigraphic features has revealed a high density of trapping mechanisms for the Punta del Este, Pelotas and Oriental de la Plata Basin of offshore Uruguay. The upgraded data has also provided better constraints on the interpreted Mid-Aptian source rock interval. Evidence of functioning petroleum systems on the conjugate margin and the along-strike basins of South America indicate a deepwater potential for Uruguay.
PROGRAM OBJECTIVES

→ Predict depth to source rock interval
→ Tie to existing wells and UruguaySPAN™, ArgentinaSPAN™ and PelotasSPAN™ surveys
→ Identify main sediment input points in deep water
→ Improve regional seismic velocity control
→ Improve S/N ratio of existing seismic data
→ Application of advanced demultiple to provide better continuity from shelf to deepwater
→ Increase bandwidth with ION’s WiBand™ deghosting technology

KEY COMPONENTS

→ Provide a coherent seismic dataset across the Punta del Este basin and tie to existing Argentina and Brazil surveys
→ Improve regional velocity models
→ 10,000 km of newly reprocessed legacy data

ABOUT BasinSPAN™

BasinSPAN surveys are geologically inspired, basin-scale seismic data programs acquired and depth-imaged using the most advanced geological and geophysical processing tools available. They provide upstream companies with the ability to evaluate the geologic evolution, deep basin architecture and depositional and structural histories of entire petroleum systems in a region. Our global 2D BasinSPAN library consists of data from virtually all major offshore petroleum provinces providing asset managers significant risk mitigation as they develop exploration and appraisal programs with greater confidence.

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Last updated July 7, 2016