

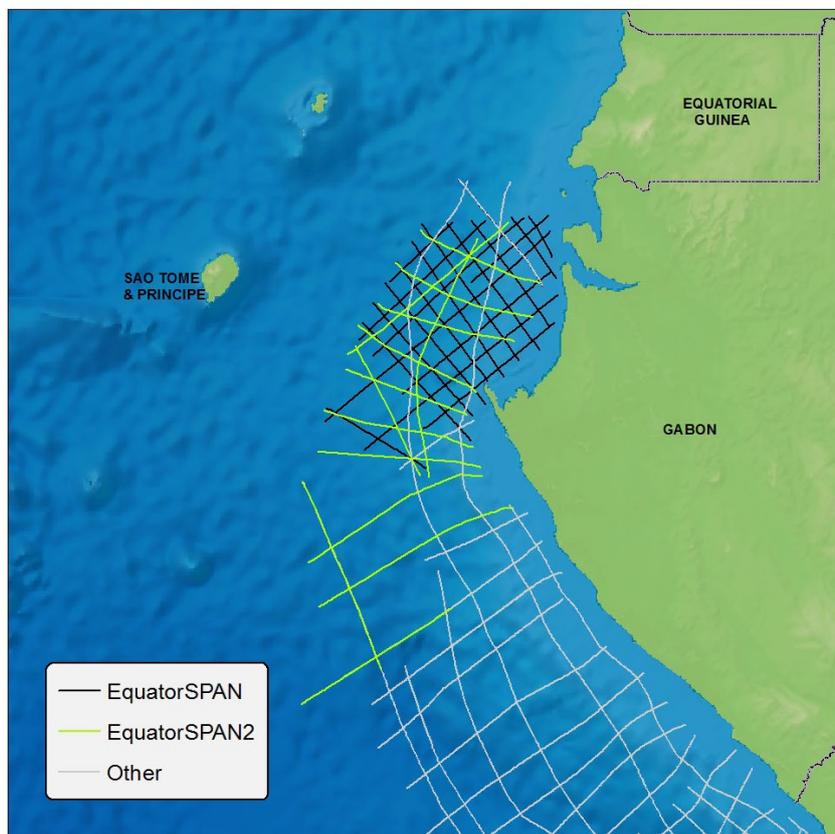
EquatorSPAN

PROGRAM OVERVIEW

With the increasing interest and activity levels of many oil and gas companies in the hydrocarbon provinces of the West African deepwater basins, ION designed EquatorSPAN™, a 2D seismic dataset in the equatorial Atlantic margin in Northern Gabon. The program was developed with the joint cooperation of DGH, Gabon.

Designed to advance the geoscientific understanding of the region, EquatorSPAN reveals the tectonic architecture of the West African Gulf of Guinea margin. The EquatorSPAN program comprises over 2,700 km of new data and provides insight into the area's tectonic fabric and basin formation. EquatorSPAN also provides a risk-reduction strategy for exploration in the region's transform fault margin. In addition, ION recently acquired a new program, EquatorSPAN II, consisting of 2,123 km of infill data offshore Gabon to further increase geologic understanding in the highly prolific area.

Using data from our BrasilSPAN™ and west Africa SPAN datasets, ION geophysicists and regional petroleum geologists are correlating the conjugate ties between these two regions. The data reveals striking similarities in the structural framework of the petroleum systems on both sides of the Atlantic Margin. For this reason, the Africa programs are designed to tie with our BrasilSPAN datasets, making the programs a valuable tool for exploration and production operators in Africa.

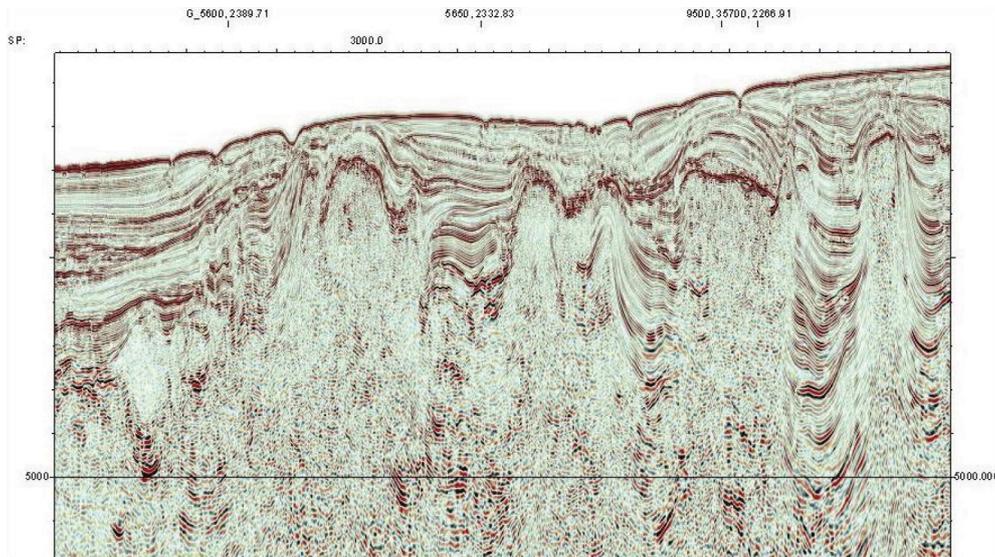


PROGRAM OBJECTIVES

- Understand the crustal architecture of West Africa's Atlantic Margin in order to promote the unrealized hydrocarbon potential of the region
- Improve understanding of basin formation in the region
- Map the lateral extent of salt, transform faults, and the mini-basins along their boundaries
- Solve issues related to hydrocarbon expulsion and timing and the thickness of cretaceous units elemental to the development of new hydrocarbon concepts

KEY COMPONENTS

- Acquisition and processing parameters and workflows were especially optimized for deep imaging objectives
- Rift architecture and good potential revealed in the mini basins to the north
- Significantly improved imaging, stratigraphic detail, and cretaceous sequences can now be clearly identified and tied to the Niger Delta
- Wide spread presence of key hydrocarbon indicators illustrating high potential for deeper discoveries



Line from EquatorSPAN offshore Gabon

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.

BasinSPAN@iongeo.com | iongeo.com/Data_Library