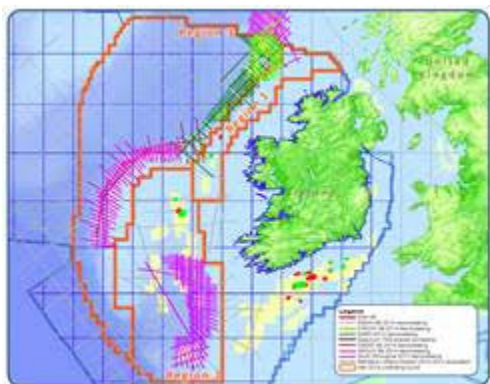


# Joint analysis of hydrocarbon potential in Ireland's Porcupine Basin

## Summary



Airbus Defence and Space and seismic multi-client acquisition and imaging specialist Spectrum G

*14,000 km reprocessed 2D seismic data  
complementing the 2D seismic data acquired by PAD  
(Petroleum Affairs Division)*

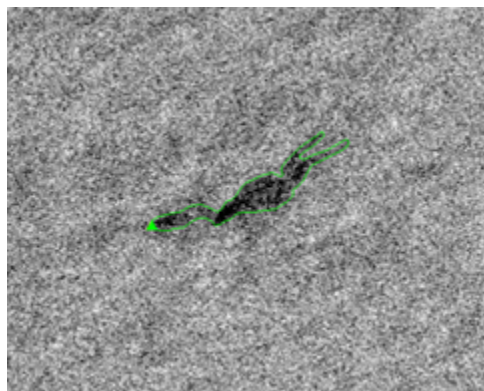
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## Issues & Needs

This joint analysis correlates natural oil seeps identified from radar satellites with 2D seismic data to assist hydrocarbon exploration in this region and is set to provide additional insight into the prospectivity of Irish waters. The analysis draws on the expertise of the individual partners, combining Spectrum Geo's sub-surface seismic information with Airbus Defence and Space's surface seeps data.

Prior to exploration, oil companies need to review as much information as possible relating to the prospectivity within a region... using the most cost-effective and accurate methods available.

## Solution



Spectrum has reprocessed 14,000km of regional 2D seismic data, complementing preceding surveys and integrating gravity, magnetics and well data. An updated extract from the Airbus Defence and Space Global Seeps Database provides sea surface slick locations together with confidence levels based on the analysis of multi-temporal satellite radar data. Results are encouraging with a strong correlation between higher confidence slicks and seismic features.

*Example of oil slick identified in the region*

## Results & Perspectives

These results will offer a new perspective on the hydrocarbon potential in the region, supporting both the ongoing licensing round and future exploration.

## Related Info

### About Spectrum

The Spectrum group provides innovative Multi-Client seismic surveys and high-quality Seismic Imaging services to the global oil and gas industry from offices in Norway, UK, USA, Brazil, Egypt, Australia, Indonesia and Singapore.

### About Airbus Defence and Space

Airbus Defence and Space is a division of Airbus Group formed by combining the business activities of Cassidian, Astrium and Airbus Military. The new division is Europe's number one defence and space enterprise, the second largest space business worldwide and among the top ten global defence enterprises. It employs more than 38,000 employees generating revenues of approximately €13 billion per year.

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