

Intelligence

Global Seeps

Offshore Oil Slick Database

Oil slick information is valuable to oil exploration companies for the detection and monitoring of natural seepage and oil pollution on the ocean's surface.

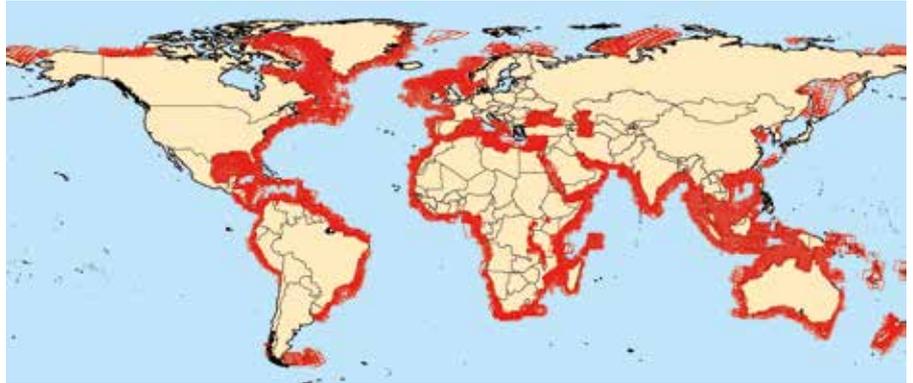
Global Seeps is a non-exclusive database of offshore oil slicks, constructed by systematically screening the world's offshore basins. Global Seeps data is a cost-effective resource for risk-ranking prior to new exploration regions and for baseline oil pollution mapping.

Covering approximately 60 million km² of offshore basins, the database is continuously updated. New areas are screened and existing areas are updated as part of a rolling programme and new acquisition can be programmed according to user request.

Key Benefits

Derived using both archive and newly programmed satellite imagery, Global Seeps is the definitive off-the-shelf offshore oil slick database for the worldwide exploration industry.

- Minimum dual coverage data
- Accuracy - high-resolution Synthetic Aperture Radar (SAR) data ensures all slicks are captured
- Slick characterisation - identifying natural seepage and man-made pollution
- Scalable and future proof – upgraded with new data and new areas
- Availability – GIS-ready results delivered direct to the customer
- Airbus Defence and Space (DS) can host the dataset making it available to multiple users across an organisation using secure web access
- Annual subscription services available



Global Seeps worldwide coverage - 20,000 scenes covering approximately 60 million km² of offshore basins

Key Applications

- Screening of frontier basins
- Risk-ranking prior to new exploration
- Obtaining spatial characteristics of the oil slick over areas of existing production
- Planning surface geochemical programmes
- Seismic planning and integration
- Tool to link geological interpretation from onshore to offshore
- Environmental monitoring: environmental risk assessment, impact statement or full environmental baseline

Data Specification

The database is delivered as a plug & go GIS product and is available on a local, regional or global licence - it contains the following deliverables:

- Scene interpretation results including scene outlines, metocean interpretation details, ship traffic and rig/platform information
- Slick interpretation results including slick source points, slick vectors, probable slick type and confidence levels
- Digital geo-coded calibrated data for the full scene at 100m resolution
- Slick subset images at 25m resolution

Near real-time tasking with rapid delivery of slick locations to vessels in the field

Airbus DS and Advanced Geochemical Imaging (AGI), offer a joint service involving near real-time satellite tasking and slick interpretation, combined with geochemical sampling teams at sea using the AGI slick sampler kits.

Geochemical sampling of seepage slicks can add another level of information to this data, helping to add confidence & allowing a greater understanding of the nature of the seep. Slick locations are sent directly to the vessels directing them to probable seepage slicks in order to obtain successful samples to validate and characterise the petroleum system.



With more than 20,000 scenes directly available and over 25,000 potential seepage slicks identified, Global Seeps is a cost-effective tool for risk-ranking in new exploration regions and for baseline oil pollution mapping.