Intelligence

Libya Geo-Information
Products & Services for Exploration Companies
Non-Exclusive Datasets

Libya Geological Interpretation Study

This non-exclusive study has been carried out at scales ranging from 1:100 000 to 1:500 000 and is supplied in GIS format. This data is being used for regional valuation, seismic planning and field logistics. The study covers the following key areas:

- Sirte Basin
- Cyrenaica Platform
- Murzuq Basin
- Ghadames/Hamra Basin
- Kufra Basin

Airbus DS also provides detailed studies over block specific areas using high-resolution imagery and Digital Elevation Models.

Regional Base Mapping

Cost-effective off-the-shelf GIS ready data supplied at 1:10 000 scale, utilising up-to-date 1.5m SPOT 6/7 Imagery and 20m Digital Elevation Model. Streaming subscription services also available.

Slick Mapping Database

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

Covering approximately 60 million km² of offshore basins, the database is continuously updated as part of a rolling programme.

Proprietary Datasets

Very High Resolution Imagery and DEMs

Airbus DS can provide stereo satellite imagery down to 0.5 metre resolution including the generation of digital elevation models with a grid spacing of 1 metre. This information now allows us to generate topographic mapping at 1:5 000 scale without the need of an airborne survey.

Environmental Baseline Studies

Utilising a combination of high resolution imagery and our regional base mapping, Airbus DS can provide GIS studies and reports highlighting land cover and infrastructure, in addition to environmental indicators associated with exploration and production infrastructure.

Hydrogeology Studies

Sourcing water resources in remote locations for well drilling and water injection is a key challenge for many oil companies in Libya. Airbus DS' Geo-scientists utilise digital elevation models and both optical and radar satellite imagery to produce GIS hydrogeology studies and reports. Multi-temporal imagery can also be used to evaluate changing hydrological systems over time.

Surface Movement Monitoring

During oil and gas production, subtle surface movements can occur resulting in operational risk and additional costs in geophysical exploration. Airbus DS offers baseline studies on naturally existing in addition to regular monitoring of surface movements induced by ongoing production.