Petroleum Geoscience

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The Petroleum Geoscience team provides impartial geological advice and services in support of hydrocarbon exploration and development activities. These include:

- Detailed understanding of the petroleum potential of the UK and its offshore regions.
- Modelling the geological evolution of the UK Continental Shelf and wider region.
- Evaluating petroleum potential in other countries:
  - Falkland Islands,
  - UAE
  - Isle of Man

Other roles include:

- Regional geological studies,
- Prospect generation and risking,
- Resource assessment,
- Prospect Databases,
- Calculate UK Yet-To-Find reserves,
- Field development studies,
- Regulatory advice, licensing and marketing

Falkland Islands

UK Onshore and Offshore Hydrocarbon Prospectivity

Regional Projects

The BGS have been and continue to be involved in a number of large innovative projects that feature survey/industry collaboration, all of which encourage geological understanding and investment. These include:

- The Faroe Shetland Consortium;
- NAG-TEC (Tectonostratigraphic Atlas For the North-East Atlantic Region);
- The Millennium Atlas;
- 21st Century Exploration Roadmap;

We are currently in partnership with DFID, as extractive advisor for developing countries, which involves building capacity and strengthening other geological surveys i.e. Myanmar, Sierra Leone.

Additionally the team has a wide range of industry and research interests, with skills including seismic & well interpretation, gravity & magnetic studies, source rock geochemistry, basin modelling, stratigraphy, structural geology and sedimentology.