



Exploration Analyst

Petroleum Play, Mineral & Carbon Storage Assessment

Exploration Analyst is an extension to Esri's ArcMap and ArcGIS Pro software for performing petroleum, mining and CCS favourability analysis; resource assessment; and block, lease and company ranking. Exploration Analyst is designed specifically for oil and gas, minerals and CCS departments, providing essential tools for the energy resource exploration geoscientist.

USES

Exploration Analyst allows you to apply PBE workflows to help streamline your exploration process:

- Create play chance maps to identify play fairways & sweet spots.
- Create favourability maps for CCS aquifers and mineral exploration targets.
- Validate play chance maps against well results.
- Analyse basin/play activity and resources.
- Estimate basin/play yet-to-find volumes.
- Rapidly screen acreage to prioritise blocks/leases and assess competitor positions.

BENEFITS

- Focus exploration at the play or aquifer level, rather than the prospect level, to discover previously unseen exploration opportunities.
- Make better decisions by validating prospect probabilities against the spatial distribution of play chance.
- Make better decisions by validating prospect volumes against play history and maturity.
- Increase efficiency during bid rounds by using multi-criteria analyses that enable you to quickly focus on the best acreage.
- Gain cost savings by focusing expensive geoscience resources more appropriately.
- Improve communication between teams, disciplines, and management by presenting fully auditable results in summary reports and maps.

