



Exploration Analyst

Analyse Play Chance, Resources and Acreage

Exploration Analyst is an extension to Esri's ArcGIS software for performing petroleum play chance analysis; resource assessment; and block, lease and company ranking. Exploration Analyst is designed specifically for oil and gas exploration or new ventures departments, and provides essential play-based exploration (PBE) tools for the petroleum exploration geoscientist.

USES

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

- Create play chance maps from GIS data.
- Validate play chance maps against well results.
- Create pool size distributions and expected volume statistics (e.g. P10, P50, P90).
- Create creaming curves for plays.
- Assess how data attribute values are statistically distributed.
- Calculate prospect volumetrics.
- Develop and refine play investment strategy.
- Perform multi-criteria block/lease analysis.

BENEFITS

- Make better decisions by focusing your exploration at the play level, rather than the prospect level.
- 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.

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