Abstract

ArcGIS in the Oil and Gas Exploration Workflow

Track: Petroleum

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An oil and gas exploration portfolio contains a multitude of data on potential hydrocarbon prospects. Major challenges in managing such a portfolio are ensuring data is kept up-to-date, a consistent evaluation is applied throughout and data are available for the ongoing prospect evaluation process. In PDO's Frontier Exploration, ArcGIS software-based portfolio management tools have been introduced to address these challenges. PDO’s vision and ultimate aim is that the GIS environment can be used as an effective data and knowledge management system throughout the exploration workflow.

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