

Petroleum Data Model

Data Model User Group

Join the [data model user group](#) if you are an existing ArcGIS customer and want to learn more about design and architecture of personal or enterprise Geodatabase and become a part of Esri's growing data model community.

Spatial enabling business information provides users in the Exploration and Production Industry the ability to display and query data using map based user interfaces that are directly associated with business data. The E&P Industry has developed and widely implemented a standard data model since 1991. In 2002 an Industry sponsored project developed a methodology to link the PPDM relational database with the spatial functionality in the ESRI Geodatabase.

Linking relational data from the PPDM data model with a GIS gives geoscientists the ability to display PPDM business objects on a map quickly and efficiently. This enables the rapid retrieval of information for wells, well tests, land parcels, facilities, seismic lines, and other features. Methodology and scripts have been created to maintain the Geodatabase and dynamically generate linear referenced events along a well path.

The documentation is available to the public at the [PPDM Spatial Project Site](#). Please go to PPDM Lite 1.0 for more information on how to spatially enable PPDM. A Geodatabase instantiation can be found at [PPDM LITE](#).

User Forums

Visit the [Esri data model discussion forum](#) to share your ideas, thoughts, and questions with other users.

Downloads - Case Studies

These Case Studies are a good starting point to learn about best practices for this discipline. These project examples include sample geodatabases, map documents, and documentation.

- [Penwell Case Study](#) (.mdb, .ldb, .doc) - zip format, 187 kb
- [Penwell Case Study](#) .pdf - pdf format, 1166 kb
- [Petroleum Data Model Presentation](#) pdf of ppt - pdf format, 5382 kb

Downloads - Design Templates

The Design Templates are the result of the community-based design process. The general concepts and terms for this discipline are described here. Tools and examples to create a template data model are also included for advanced users.

- [Tips and Tricks for Data Models](#) - URL format