

Seabed Survey Data Model

Data Model User Group

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Oil and gas exploration and production (E&P) companies aim to manage seabed survey data based on sound geo-information management principles and practices. Historically, geographical features interpreted from seabed survey have been delivered in unstructured CAD files that have led to many difficulties in the management of survey data. These issues include the fact that data from different surveys has been difficult to integrate and share with joint venture partners.

In view of these needs, the International Association of Oil and Gas Producers (OGP) Seabed Survey Data Model (SSDM) task force was formed in 2010 to define a standard GIS data model for seabed survey. The SSDM template is provided in Esri geodatabase format as most E&P companies widely utilize Esri software for geo-information management and mapping, however, in principle the SSDM can be implemented on any GIS and transferred via an open GIS data exchange format.

Data Model Development:

The OGP Seabed Survey Data Model (SSDM) Task Force was formed in 2010 to define a standard GIS data model for seabed survey. This model can be used as a deliverable standard between O&G companies and survey contractors, as well as a sound data model for managing seabed survey data at an enterprise level within O&G companies.

Downloads – Design Templates

Version 1 of the SSDM package may be downloaded [here](#).

User Forums

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