



The **Petrel-Isatis link** is a plug-in extension in Petrel™ software (Schlumberger) which enables seamless data exchange between Petrel™ and Isatis.

The link, fully integrated in Petrel™, is fast and simple to use. It allows the export of Petrel™ data to Isatis or the loading of Isatis data into Petrel™ in just a few clicks, saving considerable time in data manipulation.

The **Petrel-Isatis link** proves to be essential to the Petrel™ user who wishes to fully benefit from **Isatis powerful geostatistics** for:

- **Accurate data analysis and quality control** with Isatis one-of-a-kind Exploratory Data Analysis tool.
- **Structural modeling** and uncertainty assessment guided by seismic.
- **Facies modeling** using simple or advanced stochastic simulations (including the plurigaussian or the multiple-point geostatistics) to model complex geology.
- **Petrophysical modeling** and uncertainty assessment guided by the seismic and the geology.
- **Uncertainty quantification:** Isatis provides a unique range of stochastic simulation algorithms and post-processing tools to compute risk curves, P10-P50-P90 scenarios, as well as probability and quantile maps on volumes.
- **Building geostatistical workflows** using Isatis powerful batch procedures to easily set up production workflows and automate their execution.

It has been designed using the Schlumberger **Ocean** development framework and Geovariances **GTServer** development kit.

## SPECIFICATIONS

- Import **Isatis Point** variables as new **Petrel™** PointSets.
- Import **Isatis Surface** variables as new **Petrel™** surfaces.
- Import **Isatis Grid variables** to an existing **Petrel™** pillar grid.
- Export **Petrel™ Pillar Grids** as new **Isatis Grid Files**.
- Export **Petrel™ Surfaces** to **Isatis** with their properties.
- Export **Petrel™ Boreholes** as **Isatis Lines Files** with their attached properties (*Logs* and *Facies*).
- Export **Petrel™ Upscaled Logs** as **Isatis Pseudo Vertical Wells**.
- Export **Well Makers** to **Isatis Points Files**.
- Use with **Petrel™** 2016, 2017 and 2018 (64bits).
- Can be used either interactively or in a workflow.

