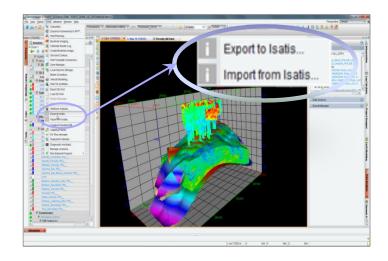# DSG-Isatis Plug-in

Fast access to Isatis powerful geostatistics from DecisionSpace® Geosciences *

The **DSG-Isatis link** is a plug-in extension in Landmark DecisionSpace® Geosciences (DSG) which enables seamless data exchange between DSG and Isatis without the need for external files.

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

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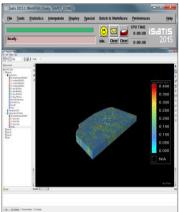

- **Accurate data analysis and quality control** with Isatis one-of-a-kind Exploratory Data Analysis tool.

- **Advanced trend analysis** and **trend modelling**.

- **Refinement of maps** using advanced kriging methods such as kriging with external drift, Bayesian kriging, kriging with inequality constraints or kriging with measurement errors.

- Access to **additional facies simulation methods** such as Multiple-points simulations (**MPS**) or process-based fluvial system simulations (**Isatis' FLUMY**) for more realistic facies models.

- **Advanced parameter settings of plurigaussian simulations**.

- **Assessment of GRV's uncertainties** using advanced simulation methods for continuous properties such as simulation with trend or Bayesian drift simulation; Further powerful post-processing enables quick computation of fluid volumes with spill points analysis or connectivity analysis**.**

Isatis plug-in has been designed using the Halliburton/Landmark DecisionSpace® Software Development Kit and Geovariances **GTXserver** development kit.

Export to Isatis interface

Pillar grids are exported flattened in Isatis

Specifications

- Import **Isatis Point** variables as new **DSG** PointSets.

- Export **DSG PointSets** variables as new **Isatis Points**.

- Import **Isatis Grid variables** to an existing **DSG** regular grid (2D surface).

- Export **DSG regular Grids** as new **Isatis Grid Files** (2D surface).

- Import/Export of **Isatis macro-variables**

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