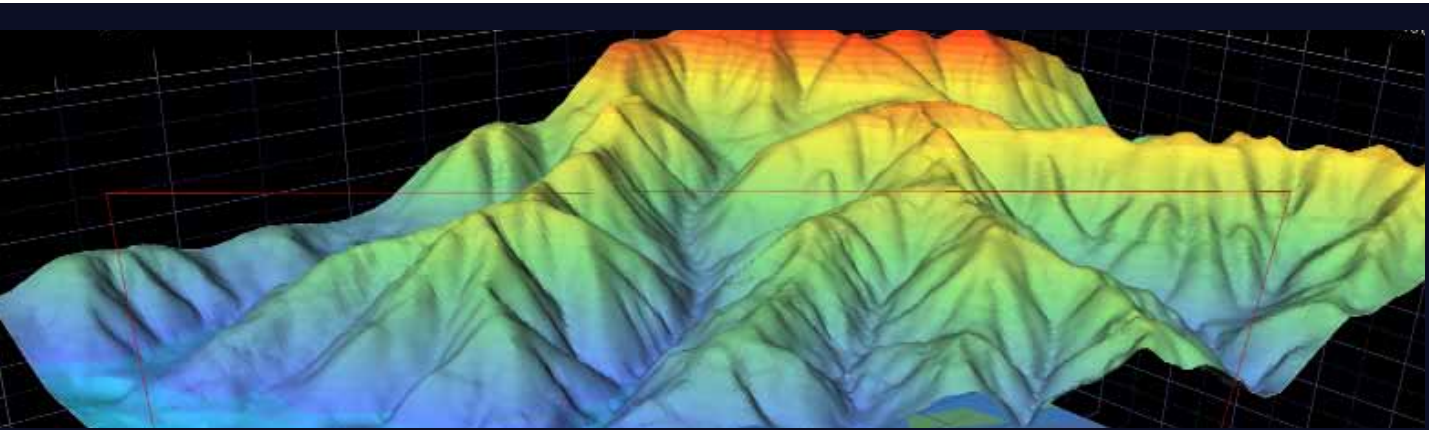


Customer Spotlight

GEOVARIANCES Isatis powered by Open Inventor®

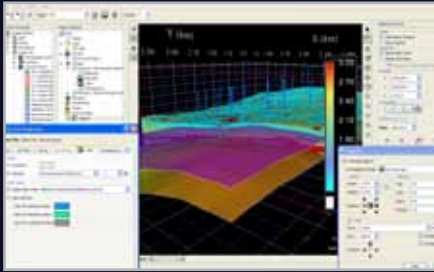
The most complete and reliable geostatistics software



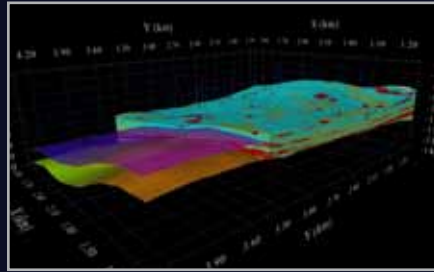
Geovariances is the world leader in geostatistics and aims at providing customers with the most complete solution in geostatistics: innovative methodologies, software packages, consulting and training services in order to take up their challenges in mapping, resource evaluation, volumetric estimation and risk analysis.

Isatis, the most complete and reliable geostatistics software

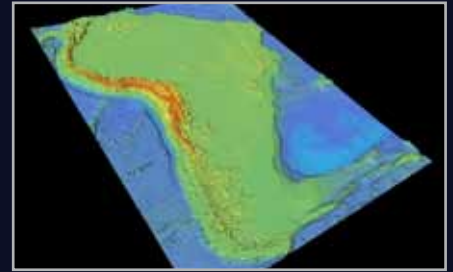
By Jean-Paul Roux, Geovariances



Isatis 3D-Viewer user interface for interactive 3D data visualization.



Model of porosity distribution within a petroleum reservoir.



A data elevation model of South America, including inland elevations and offshore bathymetry.

Today's industrial challenges are to find sufficient mineral and oil volumes to supply the world's increasing demand. Resources are generally deeper and exploration is getting more complex and expensive. Environmental risk controls are a must in a sector where health is at stake and remediation is costly. In this context, state-of-the-art technologies are essential for efficient decision-making.

Isatis, Geovariances' leading-edge geostatistics software, offers geoscientists a wide range of solutions for data analysis, estimation and simulation, and allows for the best interactive analysis and visualization of 3D data with its 3D Viewer module.

Nowadays, at all processing stages, from initial feasibility studies to production control, 3D visualization is essential to validate operations in a workflow.

Isatis 3D Viewer has been developed with Open Inventor® by Mercury library. It provides a wide range of unique advantages such as:

- Availability of advanced modules i.e. Meshviz
- Heterogeneous platforms compatibility (Unix, Linux, Windows)
- C++ API
- Top quality support team and training program

Open Inventor technology is fully integrated in Isatis. It offers sophisticated visualization abilities for in-depth data exploration and control in 3D. Data values and coordinates are instantaneously recovered from the Isatis database and displayed by clicking on the 3D graphic object to take faster and better decisions. Open Inventor allows for a great flexibility in the representation (clipping along any 3D plane, flexible slicing, wireframes, iso-lines, iso-surfaces, transparency, stereoscopic view,...).

In order to face the increasing size of data volumes (e.g. seismic data), we need more and more high-performance tools such as VSG's new module Meshviz XLM, which completely lives up to our customers' expectations.

Images: Geovariances

About Open Inventor®

Open Inventor® by Mercury provides the power and functionality of OpenGL® at an object-oriented level. Its extensible architecture, its large set of advanced components, including seamless integration between visualization and GPU computation, provide developers with a high-level platform for rapid development of the most demanding 3D graphics applications.

About Geovariances

Geovariances is the world leader in geostatistics and aims at providing customers with the most complete solution in geostatistics: innovative methodologies.



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