A screenshot of Geovariances' Isatis.neo's interface

Geovariances makes geostatistics accessible

In mid-2019, **Geovariances** launched Isatis.neo, its new generation software solution in geostatistics.

With Isatis.neo, Geovariances says it offers its customers all the functionalities available in its historical and flagship software solution Isatis, but in a completely new intuitive and user-friendly Windows-native interface. Users will continue to benefit from the quality of the algorithms Geovariances is recognized for, while improving their efficiency in their work.

The new design of Isatis.neo's user-interface should help a more significant number of users to implement geostatistics. Whereas Isatis (coming from the Unix world) required users to open several successive dialog boxes to set up parameters fully, Isatis.neo reduces the amount of software manipulation thanks to carefully streamlined applications and functionalities.

To meet the specific requirements of the mining industry even better, a special version of Isatis.neo, Isatis.neo Mining Edition, has been made available. The software groups the power of its predecessors, Isatis and Minestis (workflow-based software for mineral resource estimation), offering advanced functionalities for comprehensive geostatistical studies and a pre-configured workflow for an optimized way to resource estimation and classification (including ore control and reconciliation).

This dedicated version enables thorough data exploration, complex geological and geometallurgical analysis, fast and reliable in-situ and recoverable resource estimation, extensive uncertainty and risk analyses through conditional simulations, and workflow automation.

In particular, Isatis.neo includes:
- A new integrated and interactive application for Exploratory Data Analysis,
- Sub-blocked modeling,
- A powerful calculator with Python syntax,
- Enhanced automation possibilities through
- A word processing editor to quickly produce study reports

Users can also find one-of-a-kind tools, such as a powerful machine learning-based application for the automatic definition of geological and geometallurgical domains or an original technique for robust resource classification. "That makes Isatis.neo Mining Edition a comprehensive, flexible, and scalable software solution in geostatistics that meets the whole resource team needs. With Isatis.neo, mining companies will share a single software solution between headquarters and mine sites, geostatisticians, resource managers and geologists, and external consultants. It becomes easy for resource managers to set up and automate the estimation workflows that will be used by mine geologists for the daily update of resources."