



isatis.neo
GEOSTATISTICS MADE ACCESSIBLE

Mining
edition

The full power of geostatistics within your reach

Isatis.neo Mining Edition is Geovariances' new software generation in geostatistics dedicated to the Mining Industry. We have developed it with only one objective in mind, to provide our customers with all the geostatistics they are used to finding in our flagship product Isatis in a much smarter software solution. The goal is met. With its innovative and intuitive user interface, **Isatis.neo puts the full power of geostatistics within your reach.**

Isatis.neo Mining Edition meets the whole resource team requirements. The software enables **thorough data analysis and visualization, complex geological and geometallurgical analysis, in-situ, and recoverable resource estimation.** It allows you to carry out **extensive uncertainty and risk analyses** that improve your decision-making process. It also offers a preconfigured workflow for an optimized way to **Mineral Resource Estimation and simulation**, including **Ore Control and Reconciliation** (formerly Minestis, now embedded into Isatis.neo).

Building workflows is smooth with Isatis.neo Mining Edition and makes it a scalable software solution that can be shared between headquarters and mine sites, geostatisticians, resource managers and geologists, consultants, and their clients.

It is part of the **Isatis.neo software product line.**

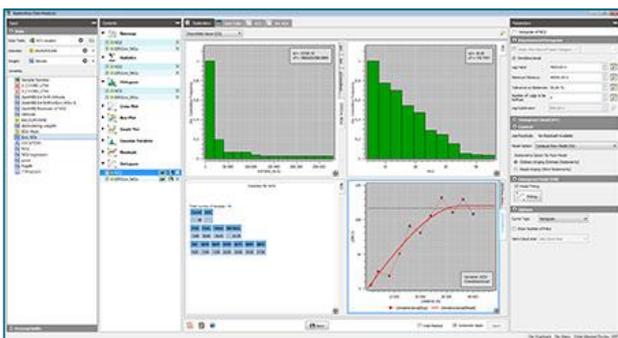
Why Isatis.neo?

- It is designed for **the highest performance**, with an intuitive user interface for ease of use and cutting-edge parallelized algorithms.
- Users **quickly get to grips** with software's use.
- **Workflows can be created and adjusted** to each company's specific processes and automated to streamline teams' daily tasks.
- Geovariances' 30-year expertise in geostatistics-based software development in partnership with the Centre of Geostatistics from the French School of Mines ensures **a robust, reliable and innovative software solution.**

ISATIS.NEO KEY FEATURES

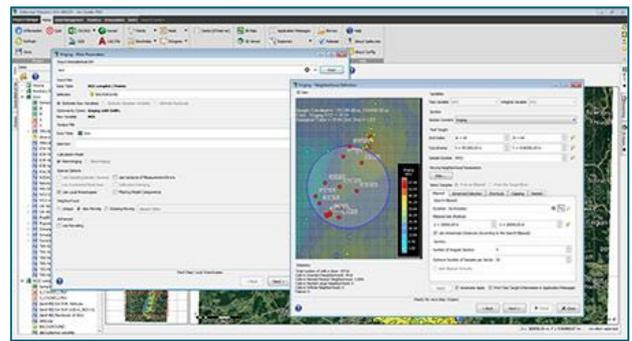
- Integrated and powerful application for Exploratory Data Analysis
- Automatic sample clustering for the definition of geological and geometallurgical domains/units
- Built-in tools for Kriging Neighborhood Analysis, cross-validation, local varying anisotropies, grade capping, model sub-blocking, unfolding
- Industry-standard estimation methods (point, block, simple, ordinary, universal, multivariate, spline, linear kriging, kriging with external drift, with variance of measurement error) and interpolation methods (nearest neighbor, inverse distance, moving average, moving median)
- Conditional simulations and Direct Block Simulations
- Plurigaussian simulations for modeling complex deposit geology
- Uniform Conditioning, LMUC, MIK
- Genuine post-processing of simulations for accurate uncertainty and risk analysis
- Grade-tonnage curves
- Python functionalities and coding
- Scripting procedures for task automation
- Interoperability with data management software (acquire) and compatibility with the industry file format standards
- Integrated word processor application for producing technical reports on-the-go

FULLY EXPLORE YOUR DATA



An integrated and user-friendly application for Exploratory Data Analysis enables the fast computation and display of various statistics (i.e. histograms, box-plots, cross-plots, swath-plots), variograms and Gaussian anamorphosis, just by simple drag and drop of variables. All the inputs users need for kriging or simulation (variogram models, stationarity options, anamorphosis function) are stored in a single dedicated object. It guarantees consistency and makes further parameter setting more straightforward.

QUICKLY GET RELIABLE ESTIMATES



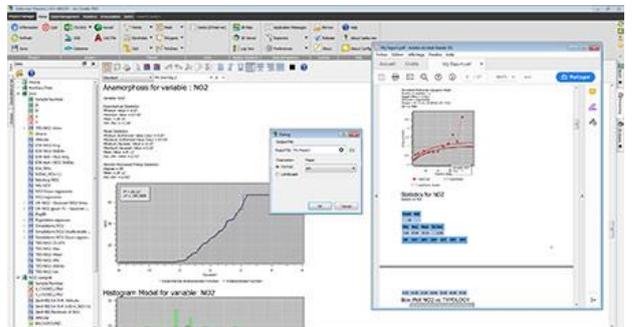
Kriging options are grouped into one single dialog box and selected with a mouse click, which simplifies the settings choices. Systematic naming of output variables, based on a pre- or user-defined convention, saves users time and ensures name consistency across different models.

AUTOMATE YOUR WORKFLOWS



Workflows can easily be recorded in batch files and run again interactively or automatically when new data comes in or to test different scenarios quickly. Batch files also provide perfect support to keep full track of processes for auditing purposes.

QUICKLY PRODUCE YOUR STUDY REPORTS



An integrated word processor facilitates reporting. The tool allows users to copy views, graphics, and message contents to a report as the project progresses. Users can then edit texts to their needs and export the report in pdf or odt format.