SEEQUENT



leapfrog | EDGE

Know your resource with Leapfrog Edge

Fully integrate resource estimation into your 3D geological models

Seequent, The Bentley Subsurface Company

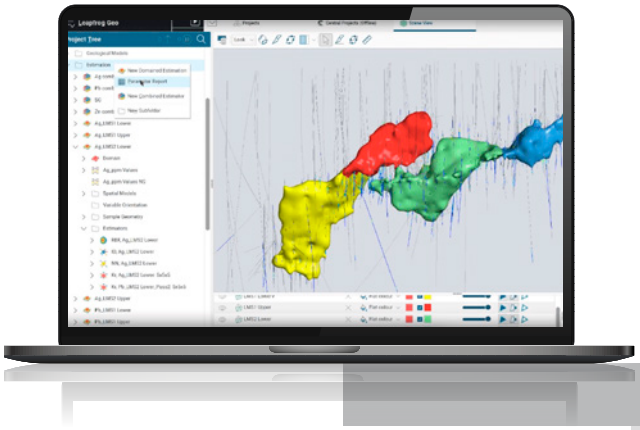
Make confident resource estimations

Combine the visual insights from your 3D Leapfrog models with the industry-standard resource estimation tools you need most – in a streamlined, flexible workflow.

Link to geology

Fully integrate your resource estimation workflow with your geological modelling. Refine or add data at any stage and the changes flow downstream from the geological model to the resource model and everywhere in between.

Work with data using highly visual tools, such as domained estimation object with boundary analysis, variable orientation, resource reporting, and variography block interrogation.





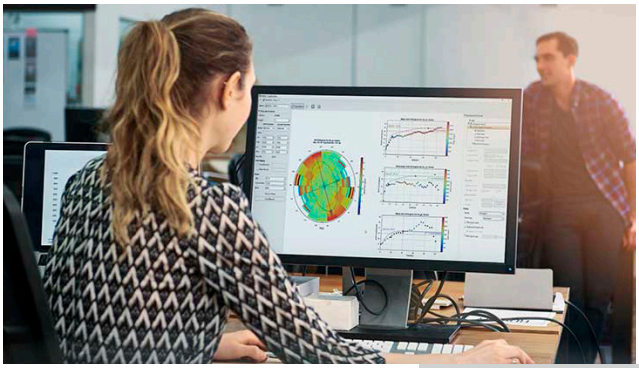
Break down barriers

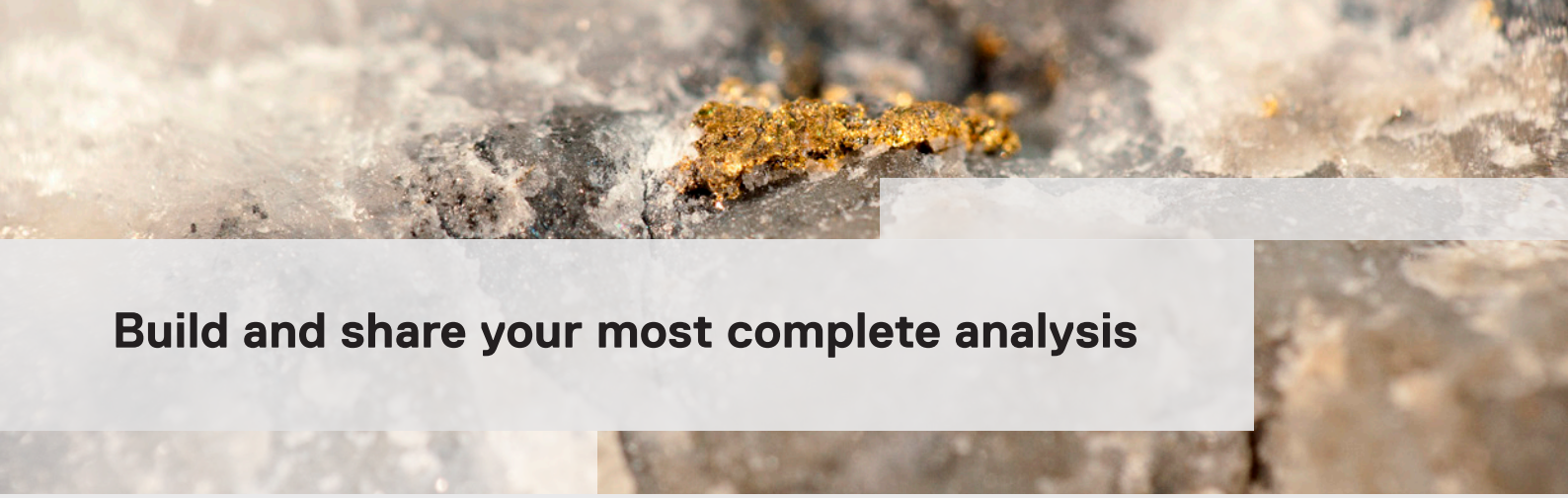
Intuitive, flexible workflows and uncluttered workspaces accelerate the resource modelling learning curve. Hand off block models easily to other teams in common industry file formats.

See data differently

Visualise and interact with your data throughout your resource estimation process. Iterate rapidly and see the results in 3D to gain new insights and guide decision making.

Share cross sections, videos, and interactive 3D models with non-technical stakeholders to help them understand your insights.





Build and share your most complete analysis

Easily incorporate new data into your model and quickly test theories for better decision making and reduced risk. Iterate ideas quickly and watch the changes dynamically update in your graphs and block model.

Domain assessment

Hone your scientific analysis and easily incorporate new information or theories for better decision making and reduced risk.

Test your domaining choices, visualise sampling and grade distribution, perform boundary analysis, and exploratory data analysis. Improve understanding and confidence along the way through interactive contextual visualisation.

Variography with transformed data

Demystify the process of defining 'fit for purpose' variogram models. Easily test the impact of choice of model on output estimates.

Simplify your variography by linking it to the graphic environment. Rapidly fit, adjust, then visualise and directly manipulate models in the 3D scene.

Easily create custom variograms to further check coherency of the spatial model. Automatically back-transform variogram models to normal scores data and create copies to test alternative model choices.

Estimation

Use all the industry-standard tools you need in a highly visual iterative workflow that allows you to easily visualise your results and test hypotheses that hone your decision making. Perform Ordinary Kriging, Simple Kriging, Inverse Distance, and Nearest Neighbour in addition to the RBF estimator.

Simplify the task of validating resource estimates with the Parameter Report. Tabulate and export all estimation parameters with ease for auditing and reporting. Directly export to an Excel workbook for archive or inclusion in reports.

Variable orientation

Improve your grade estimates through better local sample selection and weighting. The Variable Orientation tool provides local control of search and variogram and ensures that these are well adapted to your sample and domain geometry.

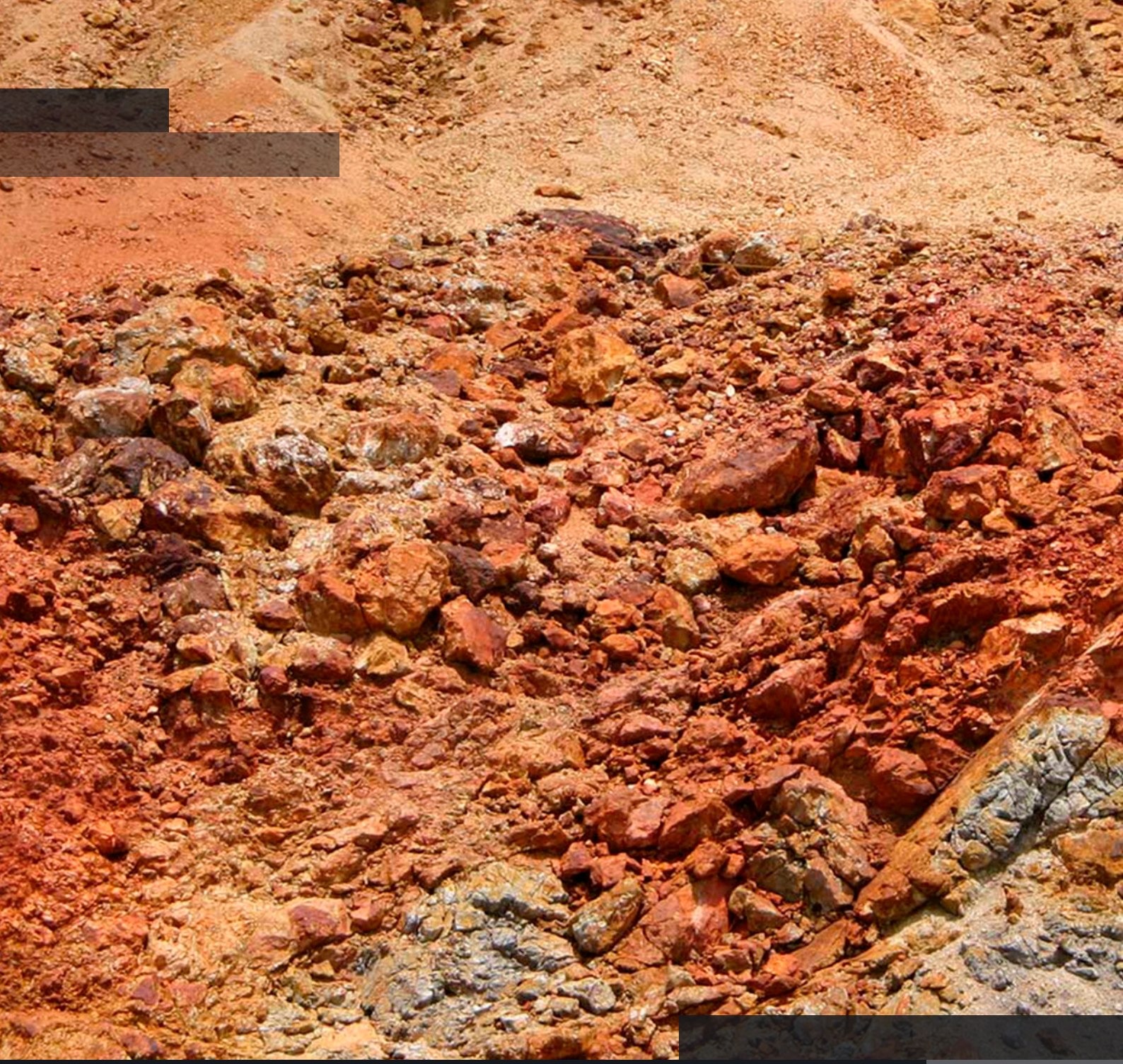
Block modelling

Quickly become competent with filtering and evaluation tools that don't require scripting experience and that also help reduce the likelihood of input errors. Reuse previous calculations to save time and build streamlined workflows for more efficiency. Rapidly upskill your team members and spread knowledge and experience so you aren't overly reliant on one expert.

Reporting and communication

Use 3D models, cross sections, variograms, and graphs in reports to easily communicate your findings and provide evidence of an appropriate estimate.

Collaborate and communicate with team members and stakeholders to better manage risk using Seequent Central for Cloud-based data and model management and Seequent View for sharing visualisations.



SEEQUENT

A better understanding of the earth
creates a better world for all

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