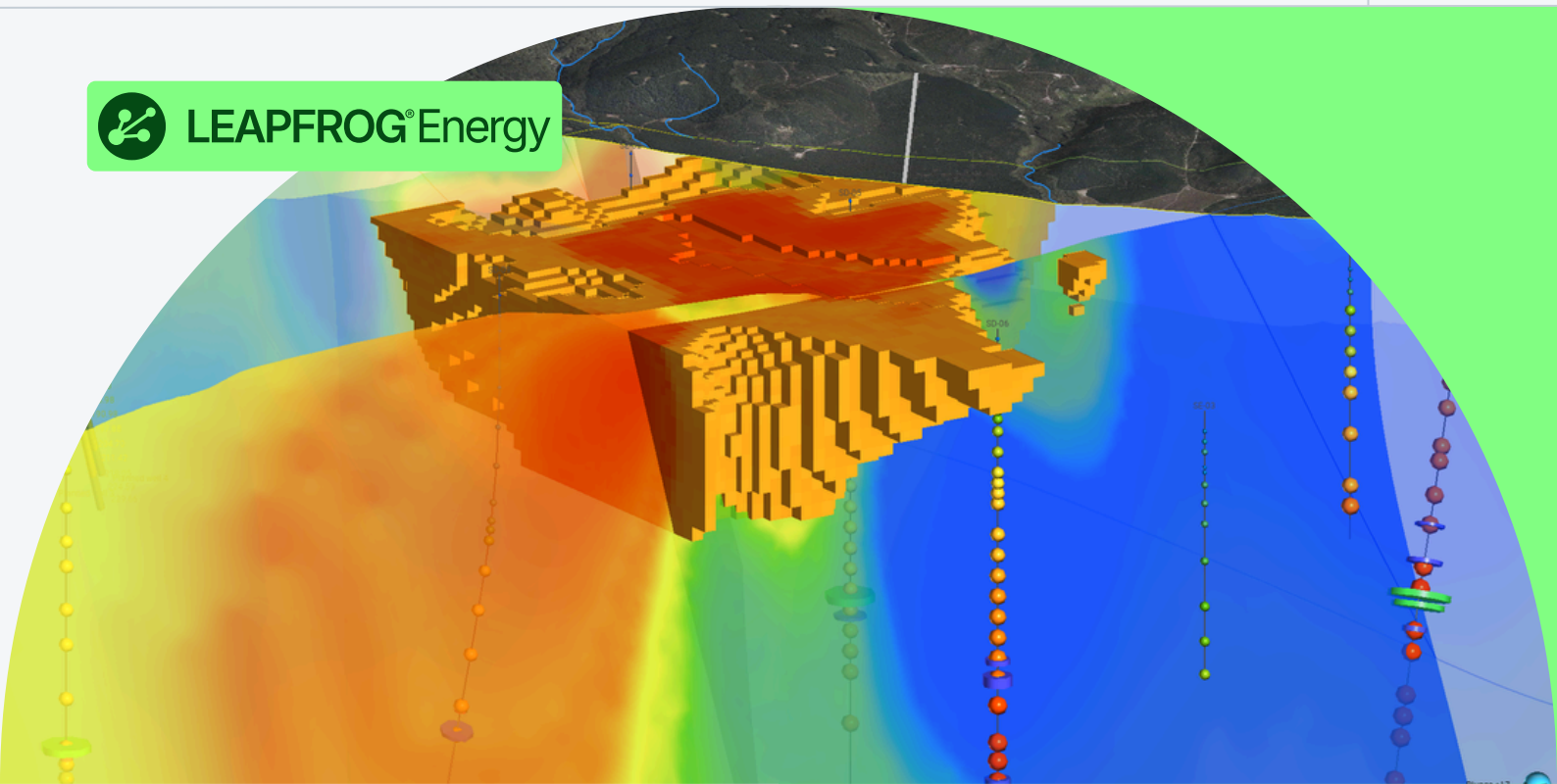
New release

Leapfrog Energy 2026.2

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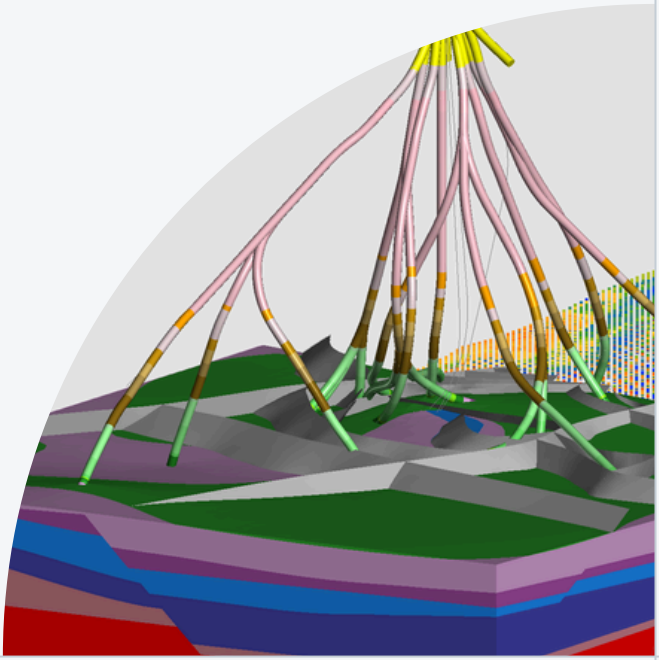
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1. Release overview

Leapfrog Energy 2026.2: Better subsurface models, grounded in data

Building on 2026.1, this release streamlines drilling, geological interpretation and model validation for energy projects.

Plan wells more efficiently and build surfaces that better honour logged and sampled data, helping teams update their subsurface understanding as new information arrives.

2. Leapfrog 2026.2 highlights

2.1. Faster well planning, from target to trace

Every new well can improve your understanding of the subsurface. Leapfrog Energy 2026.2 connects model validation with drill targeting, helping teams move quickly from geological targets to practical surface well fan designs and make better-informed drilling decisions for energy projects.

Additional improvements to well data and well planning workflows in Leapfrog Energy are listed in Sections 3.1 and 3.2 of this document.

2.1.1. Fan planner: Rapidly design well fans from a single collar location

Planning a well fan from a shared surface collar previously meant creating each well individually - a slow, click-intensive process. The new fan planner in Leapfrog Energy lets you design the entire fan at once.

Pick subsurface targets by clicking in the scene or using existing points, such as imported points or polyline points, and Leapfrog Energy builds the planned wells from the shared collar. Use Alt+D to add targets with fewer clicks. As your geological interpretation changes, retarget individual wells or move the collar while keeping target points anchored.

Account for expected well deviation by applying lift and/or drift across the fan. Leapfrog Energy calculates the starting dip and azimuth each well needs to reach its target. Adjust individual wells using the 'Collar & Target' planning mode where different deviation values are needed. Live statistics for well count, total metres and minimum, average and maximum length help you check the drilling programme against budget as you plan.

Planning fan drilling is now faster and easier. Together with the grid planner introduced in the previous release, the fan planner expands Leapfrog Energy's tools for creating well plans in bulk.

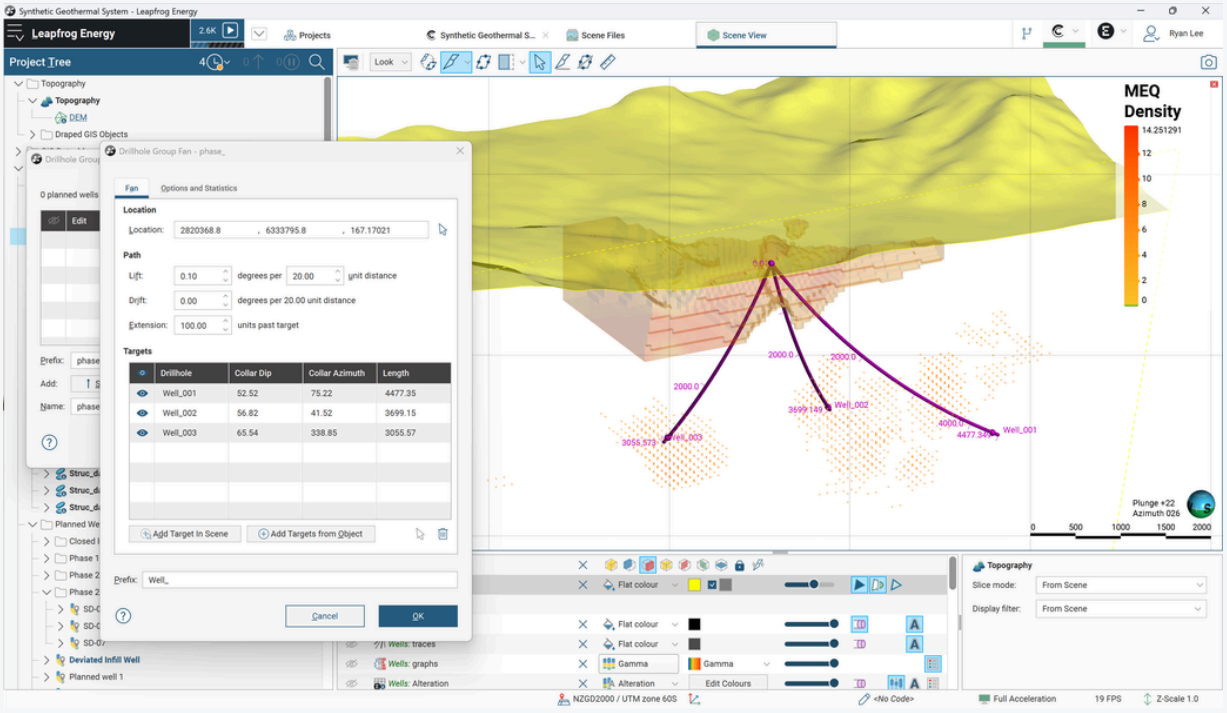


Figure 1. *Planning wells from a single pad.*

2.2. Geological modelling that captures the resolution of your sampling data

This release delivers major advancements to geological surfacing across veins and stratified sequences. By making fuller use of your well data, from adding additional data to veins to retaining valid intervals in faulted wells, your surfaces stay faithful to what you actually drilled and logged, reducing manual polyline edits and workarounds.

Leapfrog Energy 2026.2 also includes a range of additional productivity and modelling improvements, listed in Section 2 of this document.

2.2.1. Build better veins from all available data

This release expands vein modelling beyond hanging-wall and foot-wall contacts. You can now add additional data to veins, such as secondary logged lithologies and other internal observations from wells, so that vein geometry reflects all available data rather than the vein contacts alone.

Using the new “Add Other Contacts” option, additional contact datasets can be added to an existing vein and classified as “Internal”, either manually or by using “Auto classify internal segments”. These internal points constrain the vein walls, preventing surfaces from cutting through rock known to occur within the vein and ensuring vein geometry better honours observed geology.

The workflow remains transparent and easy to manage. Additional contacts and their associated points are grouped alongside primary vein contacts in the project tree, vein edits can be exported and imported together, and the surfacing dialog clearly identifies which controls are influencing the resulting geometry.

By allowing additional data to contribute directly to vein construction, Leapfrog Energy helps produce more representative vein volumes, better preserves known geological features and increases confidence in downstream subsurface models.

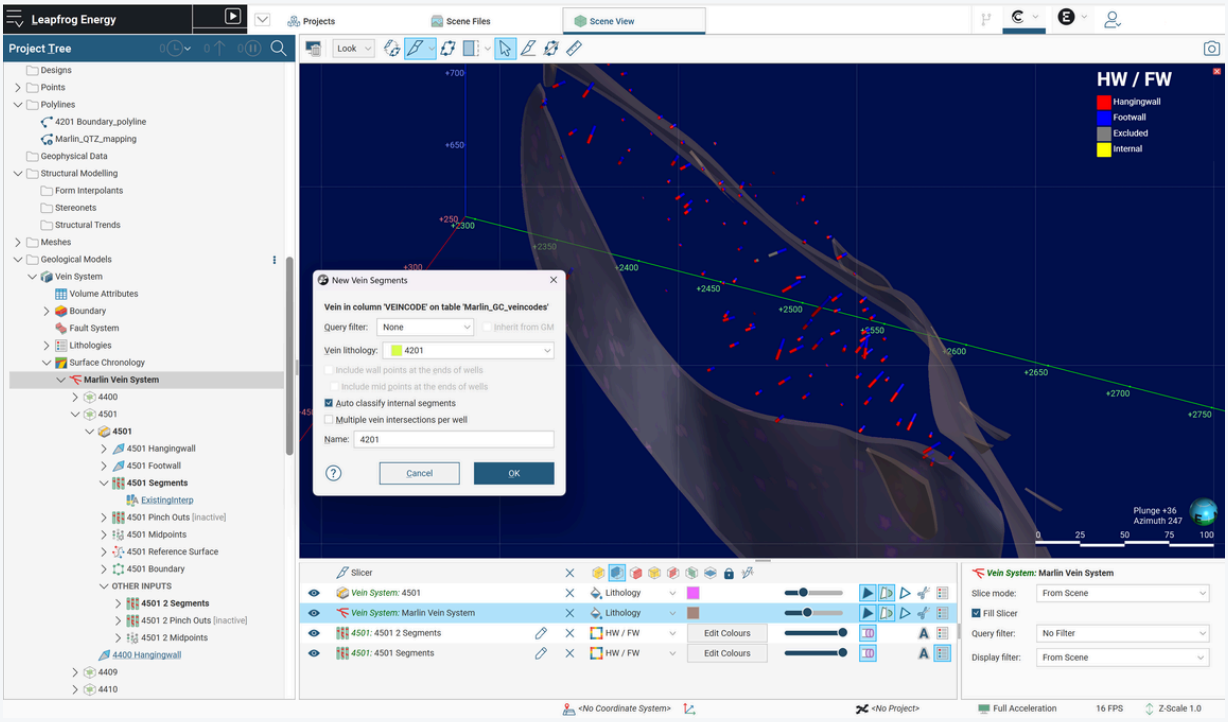


Figure 2. *Internal vein segments auto classified.*

2.2.2. Advanced stratigraphic modelling: Deliver cleaner, more reliable surfaces grounded in your drilling

Building on the Advanced Stratigraphy sequence engine introduced in 2026.1, this release adds workflow improvements that help you get more value from your well data, reduce rework, and produce surfaces that better honour geological observations.

Getting started with Advanced Stratigraphy is now easier. New Advanced Stratigraphy sequences can be created directly from an existing Basic Stratigraphy, automatically inheriting its ordered lithology list so you can take advantage of advanced stratigraphic modelling without rebuilding your sequence from scratch.

Your stratigraphic surfaces can now better reflect what your wells encountered. A new “Surfaces avoid well segments” option, enabled by default for new sequences, prevents modelled surfaces from cutting through logged intervals where a different lithology is present.

In structurally complex or faulted settings, out-of-order intervals no longer cause an entire well to be excluded. Instead, only the invalid interval is removed, allowing the remaining valid sections to continue contributing contacts and thickness statistics. New “Fully valid wells” and “Partially valid wells” reporting makes it easier to understand how much of your well data is contributing to the model.

You also have more control over how interpretation influences geometry. Offset surfaces within an Advanced Stratigraphy sequence can now “Prioritise input data points over offset limits”, allowing trusted contacts to be honoured while smoothly blending back to the defined thickness constraints away from wells.

Missing-contact and pinch-out points can be reviewed individually in the 3D scene and selectively included or excluded from surface generation, with those decisions retained when wells are re-logged.

New visualisation tools make it easier to identify trends and diagnose issues. Stratigraphic contact surfaces can now be coloured by thickness-related values to highlight areas of thickening, thinning, or pinch-out.

A new “Contact Younging” view displays younging direction at each contact point, with “Magnitude” used as the default scale, helping identify overturned or inconsistent sequences.

For geostatistical workflows, Advanced Stratigraphy sequences can now be selected directly as top-level inputs to “Variable Orientation”.

By making it easier to get started, honour well observations, control how interpretations influence surfaces, and diagnose stratigraphic behaviour, these improvements help you build more geologically realistic stratigraphic models with less manual intervention and greater confidence in the results.

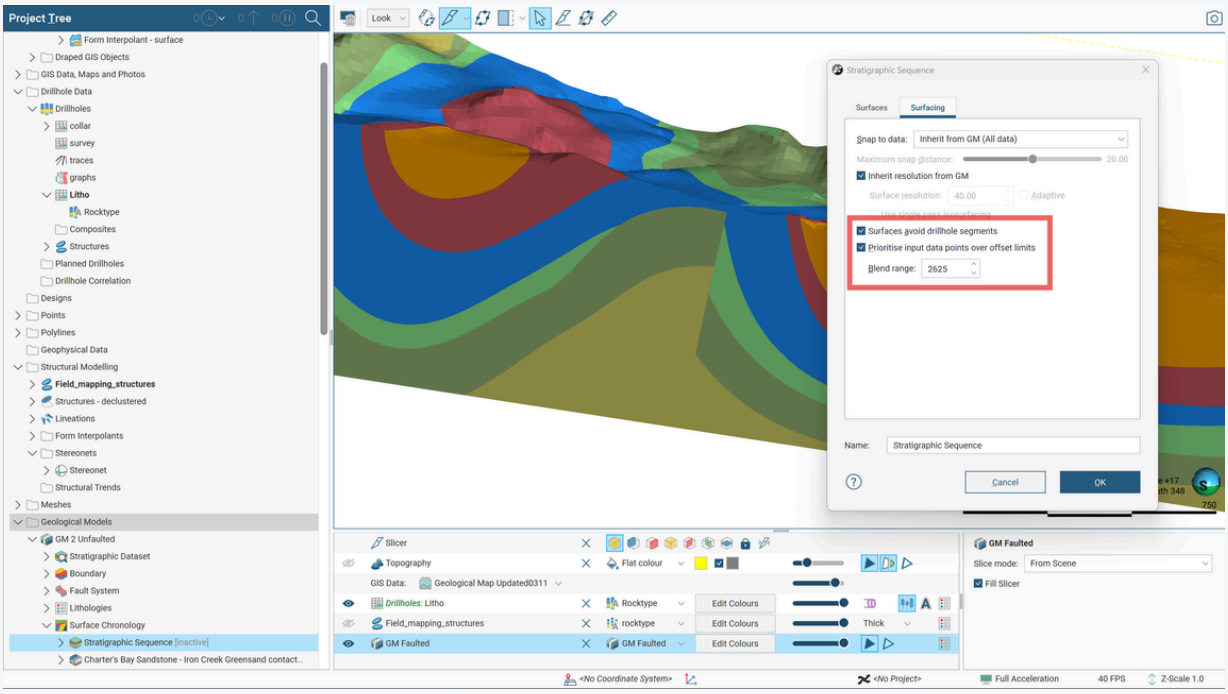


Figure 3. *New surfacing controls in the Advanced Stratigraphy surfacing tab.*

2.3. Block modelling

2.3.1. Evaluate block models on wells

Evaluate block model columns directly onto wells and planned wells. On existing wells, modelling geologists can compare model predictions against logged and sampled well data to assess model performance and investigate local differences. On planned wells, evaluation gives an early view of what the model predicts along proposed well paths, helping guide drill targeting, identify opportunities to reduce uncertainty and design more effective drilling programmes. By connecting drilling and model validation, this feature improves confidence, transparency and decision-making throughout the subsurface modelling workflow. Evaluated results are now managed in a dedicated Evaluated Columns category for a more streamlined experience.

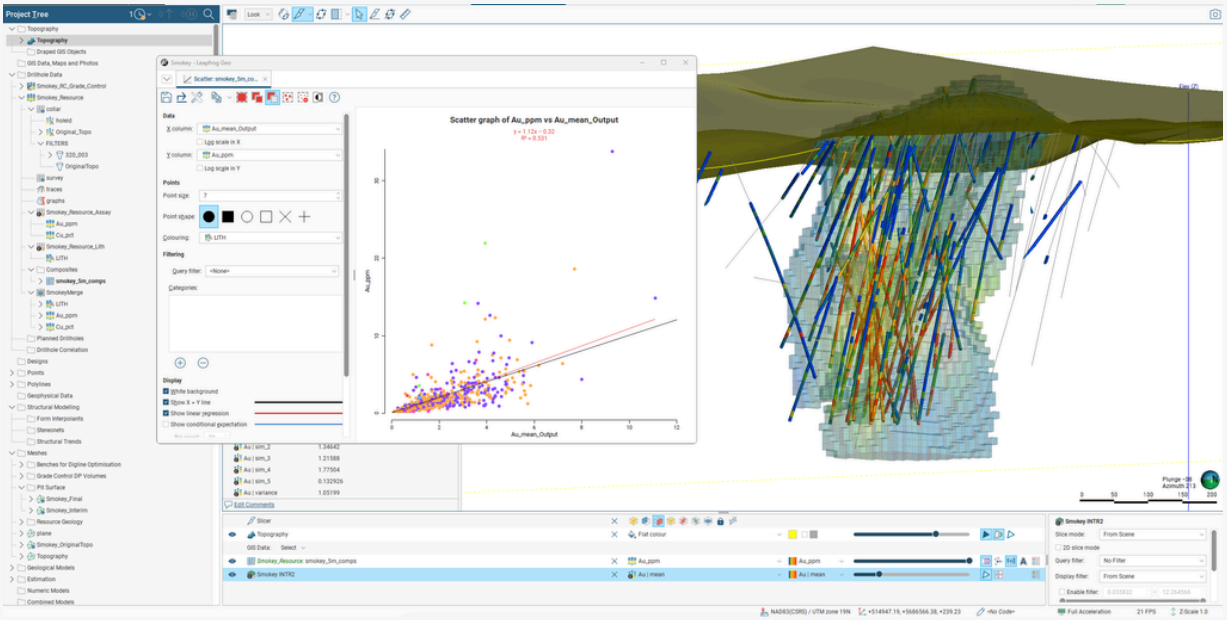


Figure 4. *Block model values can now be evaluated onto wells and planned wells, enabling a variety of workflows to validate and interrogate your block model estimates.*

3. What's new in Leapfrog Energy 2026.2

3.1. Well data

Feature	What's changed
Wells	
Evaluate block model on well data	Evaluate numeric and category block model columns onto interval tables, merged tables and composites. You can compare estimates directly against the source data, and the values dynamically update as the block model changes
Evaluated columns are now grouped in the project tree	Well evaluated columns now sit under Evaluated Columns, separate from regular columns, with icons identifying their source model
Evaluate numeric interval values onto points and structures	Evaluate numeric interval table columns onto downhole points, survey points, and structural data. With this you can, for example, colour structures on a stereonet by the values of the surrounding logged interval. The Evaluated Category Column menu is now called Evaluated Intervals Column.
Create RGB to hex colour calculations on more point types	The RGB to Hex Colour option is now also available for calculations on interval midpoints and downhole points.
Imago link	
Imago workspaces are now optional in the link settings	Leave Workspace blank to view well imagery across your entire Imago subscription, including imagery stored across multiple workspaces.

3.2. Well planning

Feature	What's changed
Well planning	
Fan planner: Rapidly design well fans from a single surface collar location	Plan a fan of wells to several targets from one surface collar location. Pick and adjust targets directly in the scene, move the collar without losing targets, and apply lift and drift across the fan. Live statistics show well count, total metres and well lengths as you plan.
Evaluate block model on planned wells	Evaluate numeric and category block model columns onto planned wells to see the estimated values and domains along each planned well. The values dynamically update when the block model or the well plan changes.

3.3. Geological modelling and meshes

Feature	What's changed
Geological modelling	
Use internal contact data to constrain veins	Add additional contact data to veins using Add Other Contacts, then manually or automatically classify internal segments to prevent vein walls from cutting through known internal rock.
Create Advanced Stratigraphy from Basic Stratigraphy	Create an Advanced Stratigraphy sequence directly from an existing Basic Stratigraphy, inheriting its ordered lithology list.
Prevent surfaces cutting through wells with Advanced Stratigraphy	Prevent stratigraphic surfaces from cutting through logged well intervals using the new Surfaces avoid well segments option.
Prioritise contact in offset surfaces with Advanced Stratigraphy	Prioritise contact points over thickness limits when generating stratigraphic offset surfaces.
View contact younging direction and Magnitude	View younging direction at every contact point in an Advanced Stratigraphy sequence, with vectors scaled by magnitude by default.
Colour advanced stratigraphic surfaces based on thickness	Colour stratigraphic contact surfaces by thickness-related distance values, applied automatically where a lower contact exists.
Retain valid intervals from partially valid wells with Advanced Stratigraphy	Exclude only out-of-order intervals while retaining valid sections of each well, with separate counts for fully and partially valid wells.
Filter missing and pinched out points for a surface in an advanced stratigraphic sequence	Include or exclude individual missing-contact and pinch-out points from surface generation, with selections retained when wells are re-logged.
Multi-select fault chronology reordering	Select and reorder multiple faults at once in the geological model fault chronology, making complex fault networks easier to manage.
Better CSG point location error naming	Identify surface chronology CSG build errors more easily with points named by their full geological model, fault block, and chronology path, while keeping the error dialog open as you navigate the scene and project tree.
Structural modelling	
Bulk polarity editor	Select multiple structural disks in the scene using stroke selection, then set, invert, or flip their polarity in bulk, with full undo and redo support.

3.4. Geostatistics

Feature	What's changed
Estimation	
Define outlier restriction by distance or percentage	Set outlier restriction as custom distances along each ellipsoid axis, as well as a percentage of the search ellipsoid. This lets the restriction volume have a different shape from your search, for example to match your block size, or use the same distance across multiple passes. Distances also show in the parameter report and the estimation changelog.
Select Advanced Stratigraphy sequences for Variable Orientation	Select Advanced Stratigraphy sequences directly from the Stratigraphic Sequence option in a Variable Orientation, without using Other Mesh.
Estimation ellipsoid scene shape is easier to find on a copied estimator with a new domain	Ellipsoids are now located at the centre of a new domain that has been copied, even if the domain is located elsewhere.
Block model user interface changes	Block models (except variable z) have an updated right-click menu and evaluations tab. “Triggers and Evaluations” is now “Columns and Evaluations”, and an additional unit column has been added.
Set units on block model columns	Assign a unit to any numeric block model column in the Columns and Evaluations tab. Leapfrog suggests one based on the column name. Units show in scene details and statistics graphs, and are selected automatically in reports.
Track estimation dataset changes in the changelog	The estimation changelog now records changes to estimation dataset settings and parameters, so you can see how a dataset has changed over time.
Declustering Values columns removed	The Declustering Values columns have been removed from Data Preparation, estimation datasets and domained estimators. Declustering weights are not affected.
Capping improvements in Data Preparation	Several improvements to capping: • Filter the scene to show capped or uncapped values from the Capping tab. • Capping graphs now show the cap value beside the capping line, including in copied graphs. • Interrogate Estimator labels values as Capped when the estimation dataset uses capping. • The Capping Comparison table's "No. cap" column is renamed "Samples capped".
Faster variable orientation estimation	Neighbourhood searches for estimators that use variable orientation are now faster, especially with highly anisotropic search ellipsoids.

3.5. Sections

Feature	What's changed
Sections	
Multi-object editing	Update formatting and display settings across multiple section objects at once.