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AGS | WORKBENCH

Workbench 2025.1

new release

Workbench 2025.1 Release Notes

Sharper views. Smarter workflows. Shared data.

This release focuses on improving clarity, control, and collaboration across inversion workflows. From LCI inversion with apriori information to support for mixed-format EM data and Evo integration, every update is user-driven and designed to support QC-heavy, multi-stakeholder environments where clarity and control matter.

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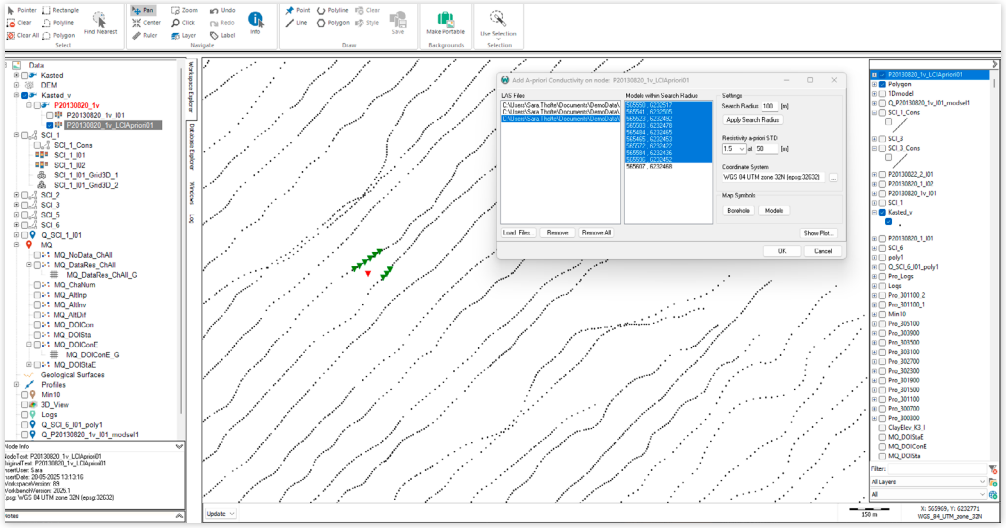
New and improved features in Workbench 2025.1

Apriori information in LCI

Same apriori information as SCI, with flexible execution

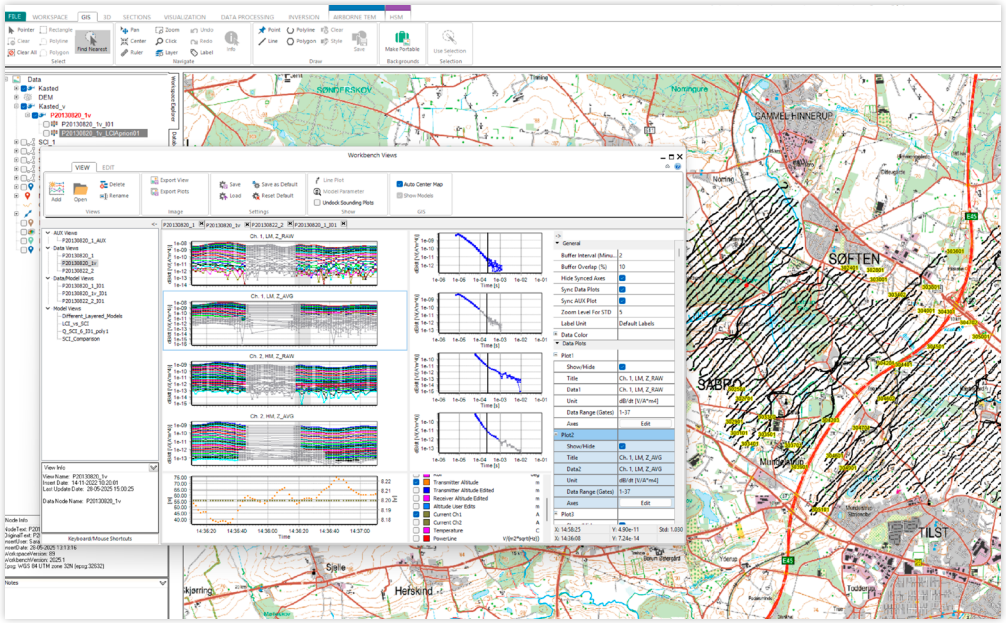
This release introduces apriori information to LCI, matching the functionalities already available in SCI. You can now apply fixed values, bounds, and reference models in LCI, making it easier to align inversion setups across different methods. Set up inversions without immediate execution and take your time to apply appropiate apriori information before running. This supports more consistent interpretation, especially in surveys where SCI isn't suitable, such as those with wide line spacing or limited spatial continuity.



Sharper tools for QC, interpretation, and review

Visualise and compare with more precision

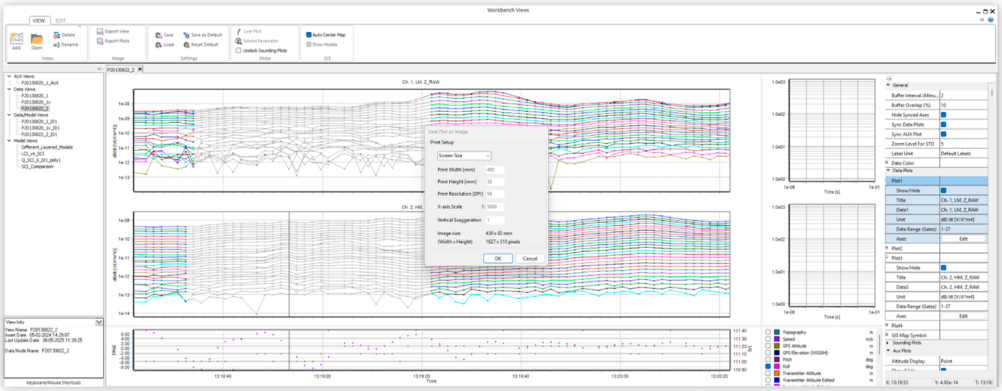
Manual QC and interpretation workflows are now easier to manage and more consistent. Improved synchronisation across the dataplot and GIS, along with synced mouse position across sounding plots, helps maintain spatial awareness while reviewing data. You can now disable specific gates across an entire processing node, and add a second axis (easting/northing) in Views. Views can also be exported with a colour scale, making it easier to interpret and share results. For dual-moment datasets, first and second moments can now be viewed independently—supporting clearer QC of multi-moment data.



Improved Views display and export

Small changes that reduce rework

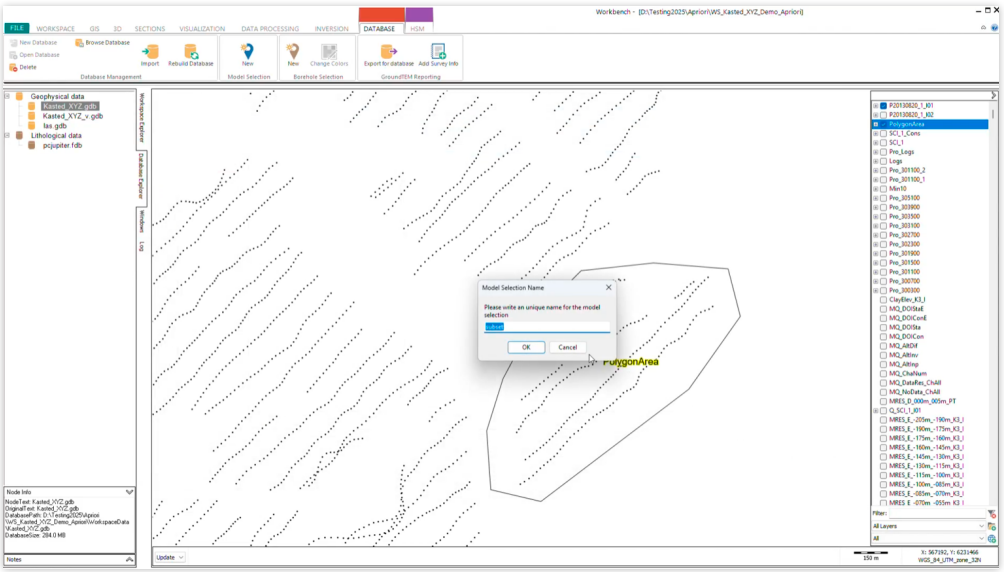
Display preferences—like colour scales, interpolation, and axis preferences—can now be saved and reused across projects, then reloaded later, saving time and reducing rework. Charts can be exported with fixed scale and resolution, and keyboard shortcuts (W/S) make it faster to move through data selections. Inversion stats are now accessible directly from the chart view.



Model selection and export

Export sub-areas without reinverting

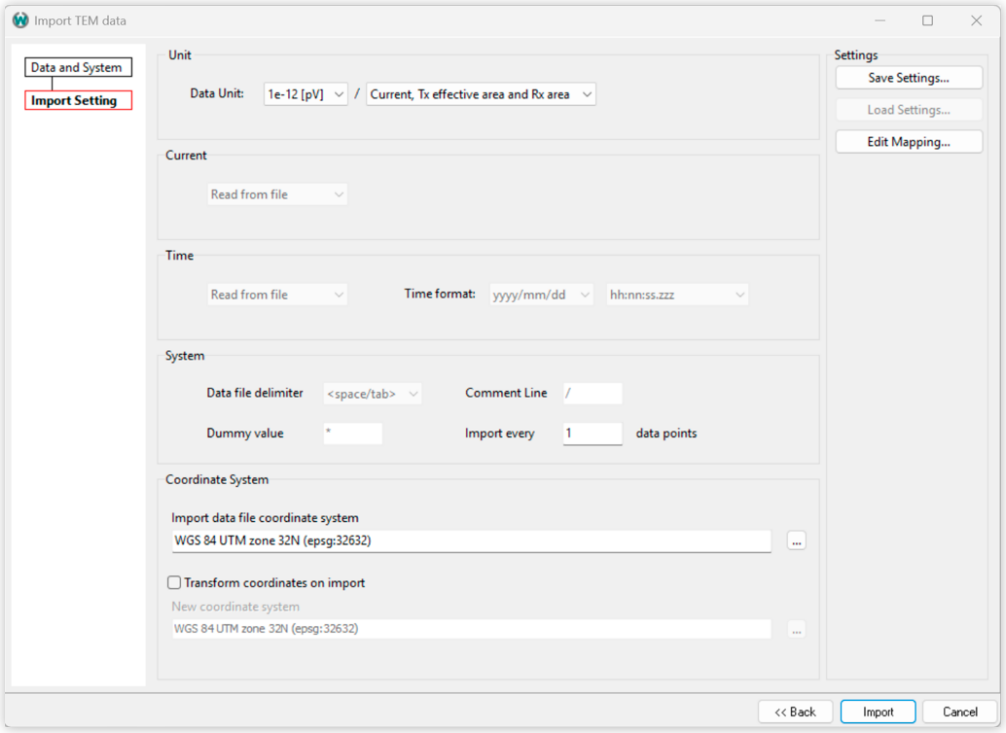
This update introduces more flexibility when preparing results for delivery—especially for large surveys or multi-client projects. You can now select model areas using polygons, not just rectangles, giving you more control when isolating regions for export. Whether preparing a delivery for a client or reviewing a subset internally, you can export just what's needed—without rerunning the inversion. This supports phased delivery schedules and avoids duplicating modelling efforts.



Inversion setup and data import

Reduce manual setup with smarter defaults

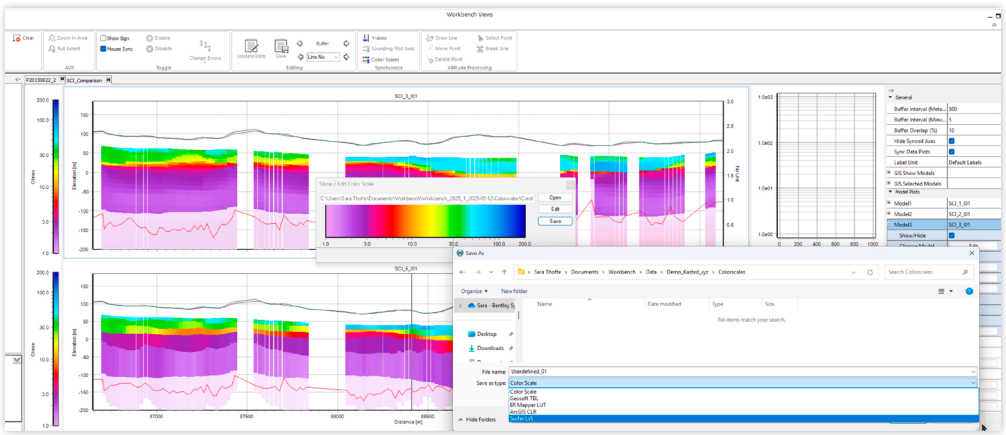
Setting up inversions is now faster and more consistent. The default coordinate system is automatically set to match the active workspace, reducing setup steps. For xyz data you no longer need to specify approximate current level, making it easier to create your own geo-file. These changes simplify the import process and help maintain consistency across projects.



Colour scale compatibility

Match visuals with Surfer outputs

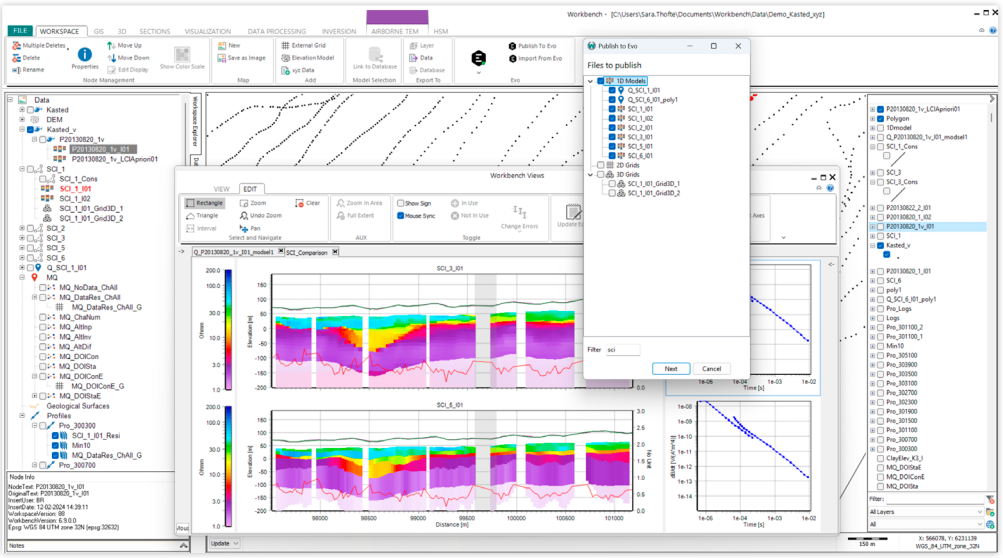
You can now import and export colour scales in LVL and CLR formats, including support for version 3 CLR files used in the latest Surfer installations. This ensures that colour schemes created in Workbench carry through when viewed in Surfer—making it easier to compare results and maintain visual consistency across platforms.



Evo integration—geoscience objects

Share geophysical objects through Evo

Workbench now supports publishing and importing 1D models, 3D grids (regular and tensor), and plan grids via Evo. This makes it easier to share geophysical data across Leapfrog, Oasis montaj, and Workbench—supporting integrated workflows and reducing duplication. It's a key step toward more connected interpretation and delivery.



Summary of new features

- Support for Bentley login
- All apriori options for SCI are now also available for LCI inversions. Setup LCI without running it immediately to apply apriori.
- Increased accuracy for topography when adding 3D grids to profiles.
- Views:
  - Mouse sync tool now also works on sounding plots.
  - Added option to show Easting and Northing coordinates simultaneously on X-axis.
  - Currents for individual channels for TEM xyz data are now shown as separate Aux properties.
  - Use shortcuts 'W'/'S' to move to next/previous interval of the same size during interval selection.
  - After interval selection for sounding creation, sync selected data on sounding plot to data plot.
  - Sync between dataplot and GIS now works interactively when selecting data points in the data plot.
  - Improved handling of Aux unit axis when plotting on two axes.
- Model selection: Possibility to create a model selection based on polygon.
- TEM SCI: Allow mixing of formats tTEM, tTEM2, and sTEM.
- sTEM: Station and line numbers now available as map labels.
- TEM data theme: Separate themes created for each data channel.
- TEM inversion: Log entry added when sounding is discarded due to missing GPS.
- TEM/FEM inversion: Option to create sections from line numbers.
- TEM xyz import: Default to map coordinate system.
- TEM import:
  - TxApproximateCurrent no longer mandatory (when importing data in xyz format).
  - *.gex* file from *.ge2* now uses higher precision for gate parameters.

- TEM export to Geosoft GDB: Allow export of soundings without data for all moments.
- SPIATEM: Topography can now be added to processing nodes.
- Depth slices:
  - Sync axes on all plots via right-click menu.
  - Option to keep aspect ratio between x and y axes.
- 3D grid export to VTK: Export DOI values and ensure correct parameter naming.
- Sections: 'View Data' now includes standard DOI line on model plot.
- CLR colourscales: Support for version 3.
- Colourscales: Export supported as *.lvl* format.
- ERT inversion: Exclude disabled datapoints when calculating characteristic resistivity.
- TEM export to Standalone DB: Add EPSG field.
- IP inversion: Max value of C parameter increased from 0.6 to 0.9.

Bug fixes

- Views:
  - Prevent Shortcuts window from disappearing behind main window.
  - Ensure Update Edits updates average sounding plots when raw data changes.
  - Correct unit display in Model View for sTEM LCI inversions.
  - Fix display issue with additional uncertainty after unit change.
  - Correct speed display for sTEM.
- Fix for number of layers when adding SCI apriori from GIS for IP inversions.
- tTEM2 import:
  - Fix issues when importing additional data to existing dataset.
  - Ensure line file is applied.
- TEM xyz import: Fix for importing more data to existing dataset.
- TEM data theme: Exclude soundings with no data in use from 'Negative data in use' theme.
- TEM processing: Fix for average slope filter removing too much.
- tTEM2 processing: Fix for left/right filter not working properly.
- FEM inversion: Exclude channel if only Phase data is in use.
- ERT processing: Fix for 'Show lines' not working on Data Profile.
- Multiple bugfixes for saving/loading 3D grid settings.
- Fix for incorrect label when exporting 3D grid in conductivity to Geosoft voxel format.
- 3D viewer: Now compatible with updated AMD graphics drivers.
- Sections: Fix error when adding IP parameters.
- Report tool:
  - Ensure newly drawn profiles appear immediately.
  - Fix rare issue with map centre near layer edge.
- General model import: Bugfixes for auto-mapping columns.
- 2D grid import from Geosoft: Fix for slight displacement in resulting grid.
- 2D grid export: Ensure renamed grids are exported with new names.
- Fix for older databases (< 2018) not connecting to workspace.