

2.2.6 (from 2.1.4)

New/Improved features (p:IGI+ and Metis Transform)

- We have changed the way .Any properties and [*] 'any' indicators work in the software. These are now written when data is changed (import, merge, edit) allowing faster reads.
 - This change will also allow us to better manage the property model moving forward.
- We have made several improvements to the artefact manager:
 - we have added the ability to easily move artefacts to user defined folders using a right-click 'Move to' menu item;
 - we no longer scroll the artefact into view when we apply a sample set or palette child artefact – only newly created artefacts are scrolled into view;
 - introduced an "Advanced artefact filtering" option to allow users to select which artefacts are shown, enabling the selection of multiple artefact types;
 - introduced support for delete on user defined (yellow) folders, which will delete the folder and all content;
- Added trend lines to graphs
 - can be shown for all data, or per colour palette item
 - on scatterplots users can select to show both trend line(s) and equations
 - on depth plots the gradient with respect to depth is shown on the equation allow estimates of change with depth
 - works in the case of log axes, where the line is fit and drawn in log space
- Graphs have a new right-click "Copy only graph" which copies the graph without any of the legend entries (Ctrl+Shift+C).
 - Maps also support the Ctrl+Shift+C shortcut.
- Artefacts will now remember the size and position at which they were last opened, with a given screen resolution.
 - When changing between resolutions, e.g. desktop to laptop and back, artefacts will remember their size on each resolution and open at the appropriate size and position.
- The toolbar has been streamlined to support forthcoming features.
- The maps have been improved:
 - added the visual query and clear selection icons to map toolbar.
 - shapefiles can now have their line and fill colours set by attributes in the associated database. User can select which attribute to use.
 - users can set the default colour used for symbols on maps.
 - users can see the well name / sitename on hover over locations on maps.
 - users can select an attribute from the database file to use as a label for elements in a shapefile.
 - users can set the colour of the shapefile label text

p:IGI+ specific features

- We have introduced a new 'machine learning' option for clients who have joined the machine learning partnership.
- We have improved the PCA and clustering model creation to remove the step to name the model before being able to interact with it.
 - The Models menu on the page right click has been rationalised.

- Added the statistics object to the list of filters on the advanced artefact manager search options.
- Statistics artefacts can be created from a page – all numeric properties will be added to the statistics. This provides a shortcut to calculating statistics for all properties on a page.
 - The default size of the statistics window has been changed to show a typical usage/
 - The user can control which statistics are shown on the statistics artefact.

Metis:

- Metis now limits actions that add, edit or delete data in the centralised database to occur one at a time. To improve the scalability and robustness of the overall system, a user (or group of users) may only perform actions that write to the database when no other operation is in progress.
 - Uploading, deleting and harmonising data are now blocking operations. A blocking operation that is in progress will prevent other blocking operations from starting.
 - Querying and exporting are unaffected by blocking operations and can be conducted while blocking operations are in progress.
 - We do not believe this will impact a user's workflow, data changes are typically not done in parallel.
 - Transform and Discover have been updated to conform to this behaviour.

Metis Transform specific features

- Upload to staging will only allow data to be uploaded when no other blocking operation is in progress.
 - Upload to staging should respond to various error cases more gracefully with specific information when failures occur.
- Project merge now displays the largest sample groups at the top of the list. This will allow users to work through the most complex merges first.

Metis Discover specific features

- Harmonise: Data managers can now ensure text values are consistent across Metis via the harmonisation tool accessible via Discover.
 - Data managers can choose a text property and see all of the populated text values. These values can then be edited to ensure data quality and consistency.
 - Harmonisation can also be conducted within a Discover query. Simple query the data you wish to limit the harmonisation to. The tool will then harmonise within this set of samples.
 - Harmonisation is a blocking operation and can only be started when no other blocking operation is in progress.
- Dashboard: A dashboard tool showing if a blocking operation is currently in progress, who started the operation, when it started and the type of operation.
 - The dashboard also shows the Update History, a record of all the uploads, deletes and harmonisations that have occurred over a 7 or 30 day period.
- Property selector preference: When selecting a property the default combo-box selected can be defined. Users who prefer to start straight from the property combo-box can now choose to do so!

- Added rectangle drawing tool: This makes it easier to draw rectangles, rather than being limited to drawing only polygons.

Property model

- We have added a number of molecular and isotopic properties to better cater for APT and other analyses. The gas model has been revised to cater for APT style reporting of hydrocarbon gases including C6+ and CO2 components. The changes also mean more gas ratios will be calculated where data is available. We've also added ratio properties to improve autograph calculations for the C6 and C& alteration triplots.

Fixes

- We have removed the need to install Direct X9, meaning that p:IGI+ installation should be simpler.
- We have fixed an issue in the table detection in import, that meant table detection did not work when the file had a multiple of 20 columns.
- We have fixed issues with errors in pages (e.g. adding a property, then undoing this; adding new samples to pages with a sample set and sort on).
- We now provide more sensible defaults for the [un] unknown indicator units in the creation of project properties.
- We have simplified the gasoline alteration triplots, by adding specific properties to support their calculation across analyses and indicators.
- We have fixed spelling errors in autographs.

Known issues

- The "Sitka" font family does not work when copying graphs – it displays fine, but the graphs will not copy correctly. We advise users to not use this font family, which has some known issues in Windows
- When a lot of graphs are open at the same time, or after long use of p:IGI+ sometimes you get no points shown on a graph, and a text error message saying "E_OUTOFMEMORY: Ran out of memory (****)". To address this save the project, close p:IGI+, restart, and open the project. We are still exploring the issue
- Occasionally when resizing graph windows the data view can pan unexpectedly. This is a rare event, and we have not yet been able to isolate a fix. If the original zoom extent is saved, then the user can recover to the desired view by opening graph manager (Ctrl+G) and selecting to restore the zoom

Installation issues

- Requires .NET framework version 6.0