2021

PALEOSCAN™

PATCH NOTES

2021.2.1
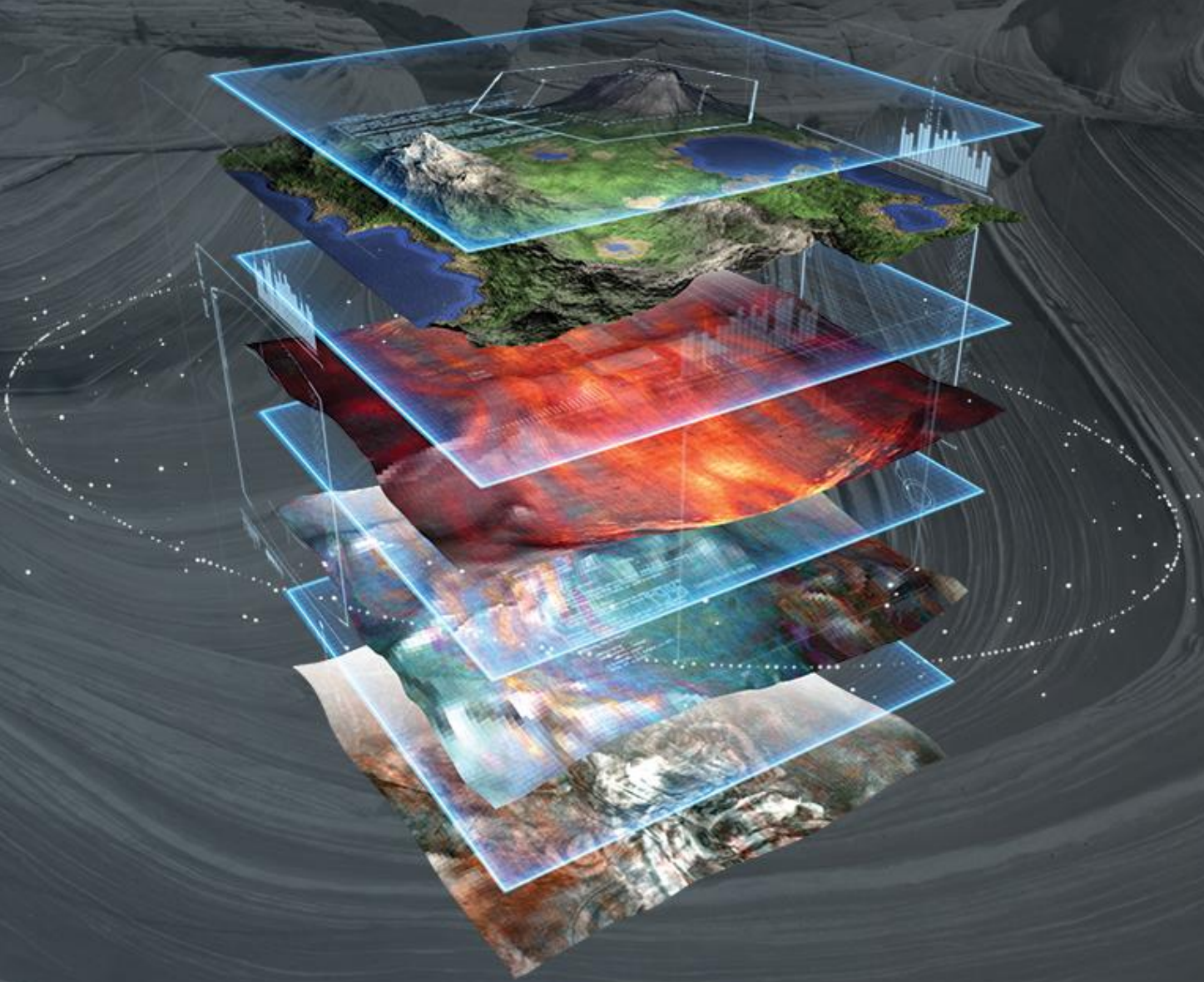
Integrated Seismic Interpretation Software

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PaleoScan™ 2021.2.1

PaleoScan™ is a new generation of 3D seismic interpretation software, where geoscientists build a geological model while interpreting seismic volumes. With this new release, Eliis continues to innovate in seismic interpretation and brings more tools to interpret larger seismic datasets, with added speed and precision.

The 2021.2.0 version includes all updates counted in the last version and features, new and improved tools, for a better support of data constraints.

- The **new AVO attributes** are available (R squared, Synthetic Angle Stack, Envelope Far Near Far),
- The **Envelope Derivative 1st & 2nd** have been added to the attributes related to Volume, 2D Line, Horizon and Horizon Stack Attributes - Real time for Volumes and 2D Line,
- The **Amplitude Balancing** tool is available in Volume module list,
- The **Polarity attribute** was enriched with the display of real values,
- The **new Smoothing** options are available,
- The **Optimization** on different tools is available
- The **Visualization and Interface** of different parts are available
- The **OpenWorks®** Data Link is improved in this version.

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This document lists all the new features and upgrades implemented in PaleoScan™ 2021.2.1. A detailed description of each tool can be found in the "User Guide" or on the web site (www.eliis-geo.com).
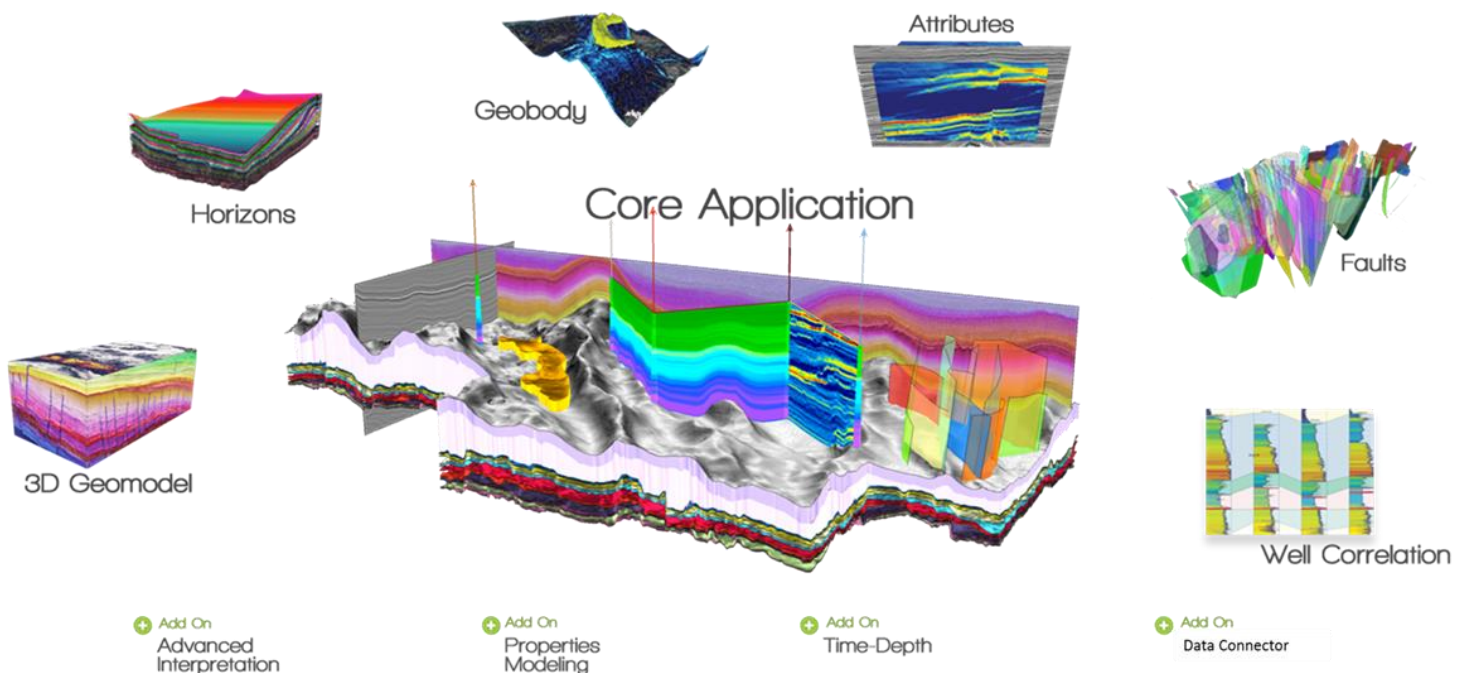
New Features & Improvement

Feature	Description
Attribute Real Time	Real time attributes are now classified by attribute type and alphabetic order.
3D Attribute	Thinning attribute preview has more consistent window size values
2D Attribute	The name of saved real-time on 2D Line is now taking the attribute label
Well	Well import as shapefile has been completed with KB elevation and KB unit as optional information
Platform	The tooltip background colour was changed to be more consistent with the dark mode display setting

Maintenance

Feature	Description
Horizon Stack import	Mapped data on exported Horizon stack is now preserved at the horizon import
3D Horizon Import	Fix incorrect Horizon import where coordinates where not associated to the correct data values
Well Import	Enhance the well import buy preserving the updated information in the different fields in case of switching between multiple wells
Data Exchange	Remote icon is now correctly updated when overwriting existing volume
3D Fault Export	Improve the warning message in the Message window in case of not exported fault
Color Bar	Color Bar renaming is now working
3D Viewer	Fix issue where the 3D viewer was displaying object from closed viewer
3D Viewer	Interval values selection on Color Bar is now working correctly for 3D viewer
2D Line Set	Fix issue related to 2D Line Set creation when 2D Line has no value. Now, these values are not taken into account when Normalization option is used
2D Line Set	Output name for 2D Line Set extraction was updated to be consistent with other dialogs
2D Line Set	For Real Time attributes, the Color spectrum is now correct for all the intersections

Arbitrary Line	Fix crash related to arbitrary line Along Well display
Channel Blending	Fix issue on saved horizon after using channel blending. Now the saved colors from blending are well restored
Data Mapping	Fix issue related to data mapping on 2D line from GeoModel where Color Bar was not correct
3D Horizon	Fix regression introduced on Interpolation and Propagation tools. The options are now working
3D Horizon	Fixed crash on 3D Viewer when editing 3D Horizons
3D Horizon Stack	Enable the deletion of Horizon Stack created from cross-plot
3D Horizon Stack	Fix corruption of Horizon Stack when using space at the end of the name
Isochore	Fix isochore calculation error when computed on superimposed geobodies
Geobody	Fix issue on the domain of Geobody extraction. Now when extracting from Horizon Stack in Depth, the Geobody is also in Depth
Geobody Classification	Fix issue on exported values for Geobodies in Depth domain where volumetric were not accurate
GeoModel	Fix domain object compatibility on 3D GeoModel creation. Now a domain check is done to accept Volumes and Horizons with the same domain only and avoid computation issue
GeoCellular	Clear warning message when trying to assign color bar to GeoCellular grid
Spectral Decomposition	Fix issue on the Frequency which was not well updated when changing input volume
Time Depth Conversion	Improve warning messages in the Message Window and the Domain Conversion dialog for better understanding of converted faults
Well-Tie	Fix crash on Seismic-Well Tie while editing CRS project
Well-Tie	Removing duplicated values when saving Time-Depth of Seismic-Well Tie
Well Marker	Fix issue on the well marker display in log viewer when vertical unit was different from TWT. Now the original unit is correctly displayed with markers
Log Viewer	Fix log display issue where maximum value was not well-displayed
Log Viewer	Fix issue on incorrect color display on log area when zoom-in or zoom-out
Session	Fix issue on the restoration of Strati Viewer in the same saved state
Session	Fix incorrect color display in the session preview for restored session
Python Plug-in	Fix crash on Python plug-in imported from folders with special characters
OpenWorks®	Fix crash on the volume transfer from OpenWorks® to PaleoScan™

Licensing

PaleoScan™ 2021 can be downloaded from the [Eliis web site](#). A personal user account is required. If you do not have a login and password to access to the Eliis extranet, you can apply for one by completing this [form](#).

Eliis provides you a free 30-day temporary license to evaluate PaleoScan™ 2021. The temporary license will give you full access to the software with all add-on modules.

Project Compatibility

The PaleoScan™ platform is compatible with all PaleoScan™ projects.

Forward compatibility:
Projects saved with previous versions of PaleoScan™ can be updated to PaleoScan™ 2021 when the projects are being loaded.

Backward compatibility:
Projects created with PaleoScan™ 2021 can also be opened with previous versions (2020 or 2019). However, some new object properties might not be readable by earlier versions.

Hardware Requirements

PaleoScan™ is a Microsoft Windows® stand-alone software, running on PC equipped with a 64-bit processor with the minimum requirements equivalent to the below mentioned items:

- CPU: 6-Core
- RAM: 16 GB
- Operating System: Windows® 7, 8 or 10 (64-bit)
- Graphic card: 512 MB NVIDIA® / ATI® graphic card
- IDE devices: Hard disk with fast rotational speed (> 7200 rpm)