dGB Earth Sciences

OpendTect Release Notes
v6.6

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Revision History

Version	Date
OpendTect v6.6.0	September 03, 2020

OpendTect

- Improved 2D viewers, annotations and zoom
- Video links under help Menu
- New default color tables for seismic data (OD Seismic 1, 2, 3)
- Added two popular python color tables: viridis and plasma
- Added horizon import from ZMap format
- Improved well import
- Made more import/export windows non-modal
- Scene parent tree items now have checkboxes
- Option to copy survey information to clipboard
- Improved plugin information window
- Improved Position conversion window
- COLOP plugin for operator design for colored inversion, spectral blueing and spectral whitening
- Multi 2D Line Geometry editing made easier
- Exporting 2D Line Geometry from Geometry Manager
- Host ID window provides additional host information
- New window for Managing Firewall rules
- Added a direct link to Python Ecosystem
- Presentation maker is updated to use the Python link
- Added a Python toolbar to launch a chosen Python IDE (Spyder,..)

OpendTect Installer

- Installer shows download size and installation size
- Added icons in the installer to know what are to be installed and updated

OpendTect Pro

- New well data management table
- New well log plot using bokeh visualization library
- New well log crossplot using bokeh visualization library
- Horizon Mathematics
- Support for text in Shapefiles
- Added workflow for merging well logs
- Petrel Direct: Importing and Exporting multiples objects is supported in Petrel Direct
- Petrel Direct: Support of exporting Faultsets as faults to Petrel
- Petrel Direct: Horizons can be exported to Petrel either as Surface or Horizons
- Improved X,Y annotations in Basemap
- Color legend improvements in PDF 3D
- Pointsets and Polygons can be displayed in PDF 3D

Machine Learning

This is completely new commercial product being released in 6.6.0
The new plugin for both operational geo-scientists, experimental geo-scientists and research geo-scientists. The plugin is the successor of our popular Neural Networks plugin, which has been fully integrated into the new plugin.

- Machine Learning links the OpendTect Pro environment to the research world of Python, TensorFlow, Keras & Scikit Learn.
- Machine Learning offers workflows for: seismic, wells, and seismic-to-wells applications.
- Train on real data extracted from multiple surveys
- Includes trained models for off-the-shelf applications such as fault prediction by a U-Net
- Neural Network workflows are incorporated in the Machine Learning Plugin

Dip-Steering

- Phase consistent horizon tracker is improved and also renamed as “Inversion + tracker”
- Unconformity Tracker is renamed as “Inversion tracker”
- Dip Steered Median Filter attribute also computes residual now

HorizonCube

- Users can now display a 3D HorizonCube and a 2D HorizonCube at the same time

SSIS

- Added AIGR and BCFS models
- Full support for a second interpretation order

Faults and Fractures

- Trimming Horizons against Faults option is added to F & F Tools

SynthRock

- Various performance improvements

Well Correlation Panel

- Few display improvements