

Software release includes major 2D and 3D workflow enhancements

Geosoft has announced the availability of its 2012 Software Release, including updates to Oasis montaj, Target, Target for ArcGIS and GM-SYS Modelling software, and the new release of Geosoft VOXI Earth Modelling, a geophysical inversion software service that generates 3D voxel models from airborne or ground gravity and magnetic data. The 2012 release includes major 2D and 3D workflow enhancements and new capabilities that deliver greater efficiency and flexibility for resource explorers and earth scientists exploring the earth's subsurface.

"Each year Geosoft has continued to make improvements in developing our software technology to support explorers challenged to visualize and analyze more complex structures, deeper under cover, within integrated interpretations," says Louis Racic, Geosoft Product Director. "The 2D to 3D workflow is an important one to get right, and a particular challenge for geoscientists working across GIS and exploration software platforms. Bridging the gap between 2D and 3D is a key improvement area within our 2012 Software Release."

Release highlights

New capabilities and workflow improvements in the Geosoft 2012 Software Release help save time and provide greater flexibility when visualizing multidisciplinary geoscience data in 2D and 3D.

Improved 2D to 3D workflows in Target for ArcGIS: The 2D to 3D workflow enhancements, include new display capabilities, and new section import and export options. Layers, such as interpretation layers from sections or plans can now be easily displayed in their correct geospatial orientation within your 3D view. 2D section interpretations can be exported to a 3D georeferenced file, such as shapefiles or DXF files, to be shared with other 3D applications. 3D vector files, such as open pit outlines, and wire frames can now be easily imported to multiple section and plan maps.

3D Viewer improvements: Geosoft 3D gridding methods have been expanded to include IDW and direct gridding; these new methods better support the 3D gridding of a broad range of data types. Angled clipping of objects in 3D views provides the ability to clip parallel or perpendicular to dataset orientation or geological strike. Geoscientists can set a clipping plane that aligns with any direction chosen.

Expanded GM-SYS 3D density model support: Voxels can be used to define the 3D density variation within GM-SYS 3D model layers. This provides more direct integration with 3D seismic data as the generated density cubes may be used directly in the GM-SYS model.

Software release includes major 2D and 3D workflow enhancements

Published on Electronic Component News (<http://www.ecnmag.com>)

BING Maps imagery: Geoscientists can now add satellite imagery to their basemaps by connecting to the Bing Maps online data source. This is a useful, additional data layer which provides geographic context to maps.

VOXI Earth Modelling

Geosoft VOXI Earth Modelling is a new geophysical inversion software service that generates 3D voxel models from airborne, ground gravity and magnetic data. VOXI Earth Modelling is accessible within Geosoft Oasis montaj and uses the power of cloud computing to rapidly invert large exploration datasets. More information on VOXI Earth Modelling is available at www.geosoft.com/voxi.

Release availability

Online installation of the Geosoft 2012 Software Release is available within Geosoft software and from the Downloads page within the Geosoft online support centre - www.geosoft.com/support. Information on how to request an update DVD is available in the Geosoft Support Knowledge Base.

Visit www.geosoft.com/whats-new for detailed information on what's included in the 2012 Software Release. For general Geosoft software enquiries and local representation, please contact explore@geosoft.com.

Source URL (retrieved on 07/29/2014 - 1:30pm):

<http://www.ecnmag.com/product-releases/2012/04/software-release-includes-major-2d-and-3d-workflow-enhancements>