

Blue Marble to Showcase Lidar Processing Capability

Blue Marble Geographics will be exhibiting at the upcoming Esri Federal User Conference in Washington D.C., USA. Blue Marble will showcase Global Mapper and its newly enhanced Lidar features including a significant improvement in the ability to load and classify massive amounts of Lidar point cloud data, jumping from supporting files that contain tens of millions of points to those that contain hundreds of millions of points.

Global Mapper 14.1 provides an increase in Lidar processing and display speed, which is beneficial for previewing data before creating a gridded surface or terrain model. Version 14.1 includes several options for filtering data during import and rendering point clouds to reflect return type or intensity. Improved metadata access provides a detailed statistical breakdown of the point cloud and customisable point size improves on-screen display. Global Mapper Package (.GMP) files are now able to store Lidar point clouds in a special compressed format, much smaller than uncompressed LAS data and on par with the best compression formats available today. This promotes efficiency in Lidar data archiving and sharing between other Global Mapper software users.

The Esri FED UC is the perfect venue to showcase Global Mapper, said Danielle Caron, Blue Marble federal account manager. The latest enhancements that have been introduced into Global Mapper v14.1 significantly enhance loading speed, and the processing and exporting of massive Lidar point clouds. Global Mapper is also a key tool for federal government users as it was developed to the USGS' specifications and is widely used by DOI, DOD and many branches of the federal government.

Version 14.1 introduces a host of new functionality to the digitiser tool including a new option to create a coverage area (concave hull) for loaded or selected point features, a tool for creating a line "skeleton" from area features, and many additional enhancements and improvements. A new water level analysis function for better flood plain modelling and a tool for creating Voronoi/Thiessen polygons for the spatial analysis of loaded point features may also be found in this release. Global Mapper 14.1 includes support for many new file formats such as GeoMedia MDB, DWG 2013, MapBox, MBTiles, and RMaps SQLite files for use on Android mobile devices. There is also a new OTF reader available for an additional license.

<https://www.gim-international.com/content/news/blue-marble-to-showcase-lidar-processing-capability>
