



GLOBE 3D : an new 3D toolset for Geoscience data processing

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Within EUROFLEETS project, and linked to EMODNET and GEOSEAS european projects, GLOBE (GLobal Oceanographic Bathymetry Explorer) is an innovative and generic software combining all necessary functionalities for cruise preparation, for collection, linking, processing and display of scientific data acquired during sea cruises, and for export of data and information to the main marine data centres and networks.

The first version was delivered by the end of 2012 and was dedicated to MBES (Multi Beam Echo Sounder) data processing, but is designed to accept further functionalities such as image and video. It can be used onboard during the survey to get a quick view of acquired data, or later, to re-process data with accurate environmental data.

Technically, the concept of the software relies on Eclipse RCP for the hosted client, Java and Nasa World Wind for the 3D views.

The version shown at EGU will present several key items :

- 3D visualisation : DTM multi-layers from EmodNET, WaterColumn echogram, Seismic lines, ...
- Bathymetry Plug-In : manual and automatic data cleaning,
- Photo/Video Plug-In
- Navigation
- WMS/WFS interfaces.