

Geovisionary: tools for visualising ATLASdata

Annual General Meeting
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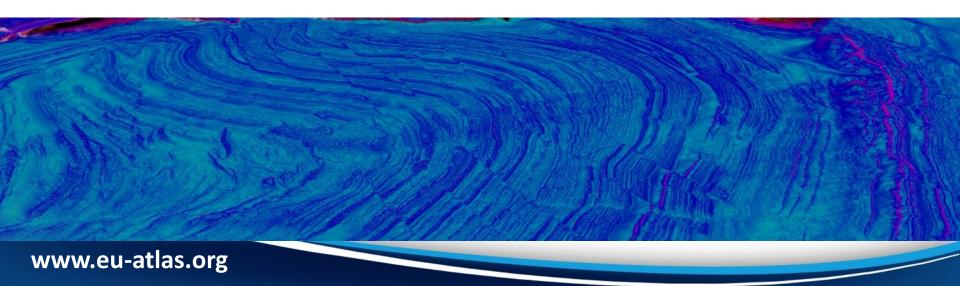


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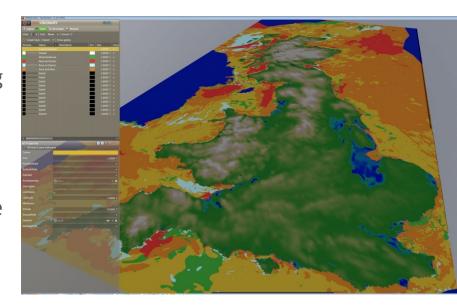
Summary

- Introduction to Geovisionary software
- Software capability/applications
- How can we use Geovisionary for ATLAS
 - Case Study overview





- Software tool for visualisation of spatial data
- Developed by BGS with Virtalis Ltd. (v3.)
- Originally for field reconnaissance
- For viewing, interpreting, and communicating large volumes of high resolution data
- 3D stereoscopic environment or office PC/laptop
- Georeferenced and non georeferenced image files, GeoTIFF, JPG, TGA, SRTM, most formats of GOCAD, GSI3D – GXML, LiDAR point cloud data surface or points and Enhanced Compression Wavelets.
- Add-in for ArcGIS which links GIS with Geovisionary – connection between GIS and 3D virtual landscape







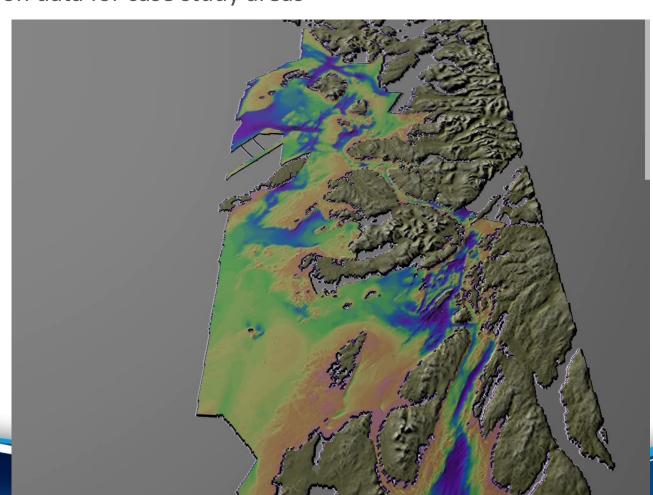
Users

- Mining and Oil industries subsurface interpretation
- Environmental
- Urban planning
- Onshore-Offshore mapping
- Communication and engagement
- Largely used for subsurface, terrestrial applications.....



Detailed high resolution data for case study areas

test122.wmv





• Drape mapping and images – eg. features or habitat regions

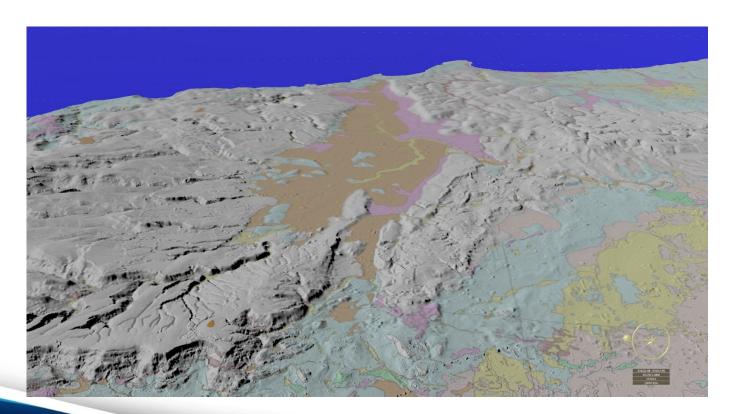
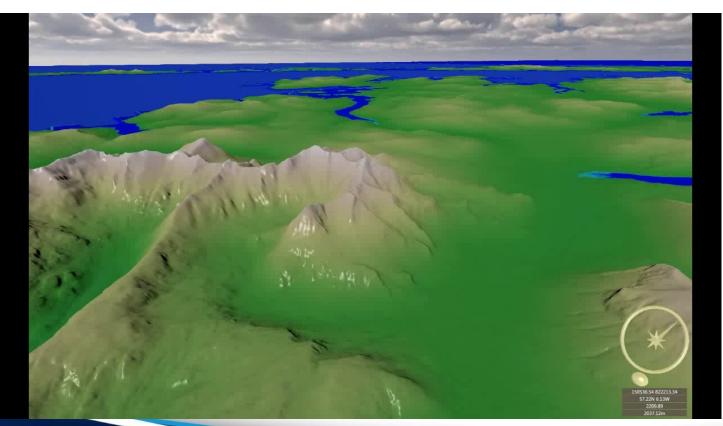




image drape.wmv





photo_example.wmv





- Add objects equipment, infrastructure, biota?
- Water column data –follow currents?
- Dissemination interactive experiences
- Tool for communicating science/maps
- Cruise video summaries





 General case study flyover to show project areas – outreach atlas 20140721 v1.wmv



A trans-Atlantic assessment and deep-water ecosystem based spatial management plan for Europe (H2020-BG-2015-2)

May 2016 – April 2020

ATLAS will explore deep sea habitats (200 – 2000m), where the greatest gaps in our understanding lie, and certain populations and ecosystems are under pressure





For more information:

Geovisionary

http://www.geovisionary.com/

http://www.bgs.ac.uk/research/environmentalModelling/3dvisualisation.html

#geovisionary

Geovisionary for ATLAS:

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