

# Geocap

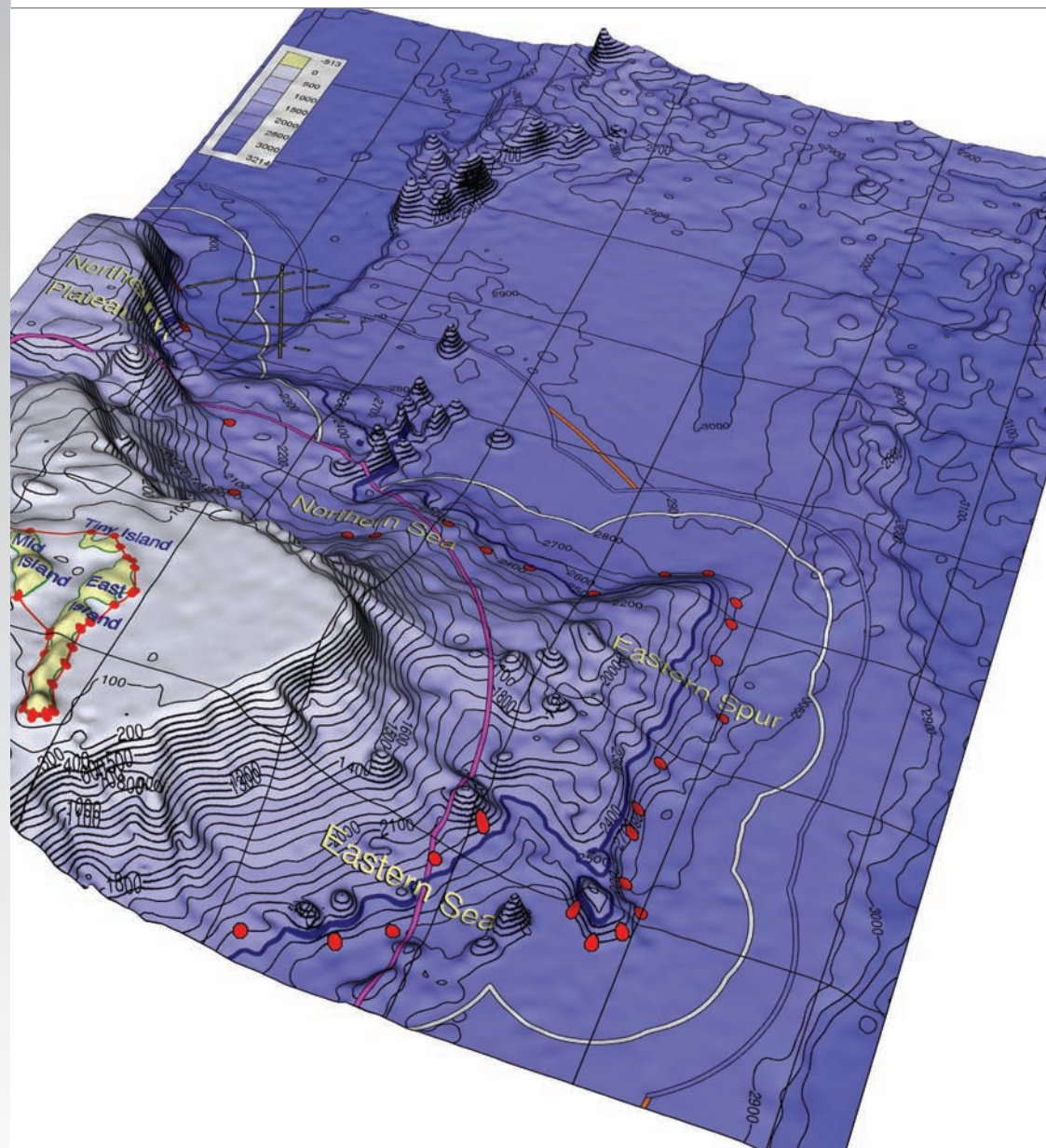


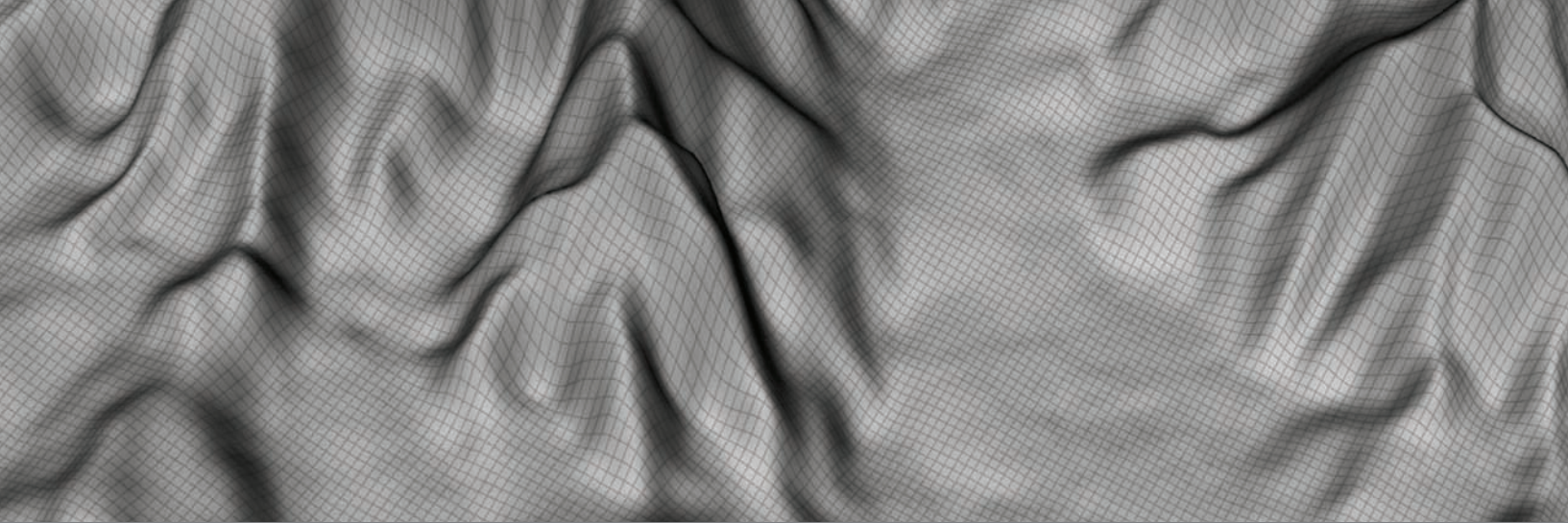
## Features

- Geodetic transformations
- Multibeam xyz gridding
- Bathymetric profile analysis
- Foot of slope analysis
- Seismic analysis
- Depth conversion
- Sediment thickness calculation
- Geodetically correct distance line generation
- Outer limit line generation
- Area calculation
- Equidistant and weighted Treaty lines
- PDF-3D export
- High quality plotting
- Presentation workflows and movie output

## Shelf

Geocap Shelf is a 3D toolbox with everything needed for continental shelf delineation in accordance with The United Nations Convention on the Law of the Sea (UNCLOS), Article 76.





### Import formats :

- ASCII
- SEG-Y 2D
- Shape
- GMT NetCDF
- DXF
- JPG
- Irap Binary and ASCII
- Databases incl ArcSDE and Oracle Spatial

### Export:

- PDF3D
- Movie(\*.avi)
- Shape
- ASCII column
- Irap ASCII and Binary
- VTK
- Arc/Info ASCII Grid
- GMT NetCDF
- GeoTiff / jpg / png
- Dxf
- Map plots
- ...and several others

### System requirements:

#### Platform:

Windows 7, Windows Vista, Windows XP, Linux

#### RAM:

1GB minimum, 2GB recommended

#### Graphics:

512 MB



# Geocap Shelf

### Line generation

Generate user defined distance lines (60,100, 200, 350 nautical miles), equidistant or negotiated lines between countries, and others to create the final outer limits.

### Foot of slope analysis

Use bathymetric profiles for estimating the base of slope zone, gradient analysis, and maximum change in gradient.

### Seismic analysis

Perform 2D seismic interpretation and depth conversion. Create sediment cross-sections and calculate sediment thickness (1% of distance to foot of slope).

### Image georeferencing

Georeference and drape images on terrain. Vertical georeferencing of seismic images is also supported.

### GeoPresentation

Create interactive presentations with Geocap's workflow tool.

### Plotting

The PostScript plotting tool will create amazing maps to include in the UN submission.

### PDF3D

Include 3D data in documents and distribute as an interactive PDF with free Adobe® Reader

### AreaGenerator

AreaGenerator includes 10GB of global data and allows extraction by lat-long coordinates. Projects are built using any available coordinate system.

### Scripting language

Flexible and powerful interaction with project data is possible with scripting language for visualizing, data manipulation, and creating user interfaces.

### Mathematical functions

Design custom formulas to process data according to specified requirements.

