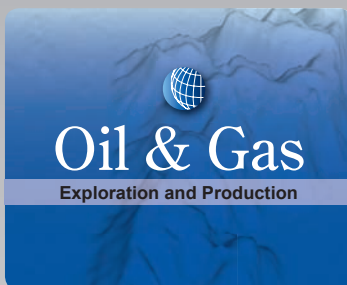


# Geocap

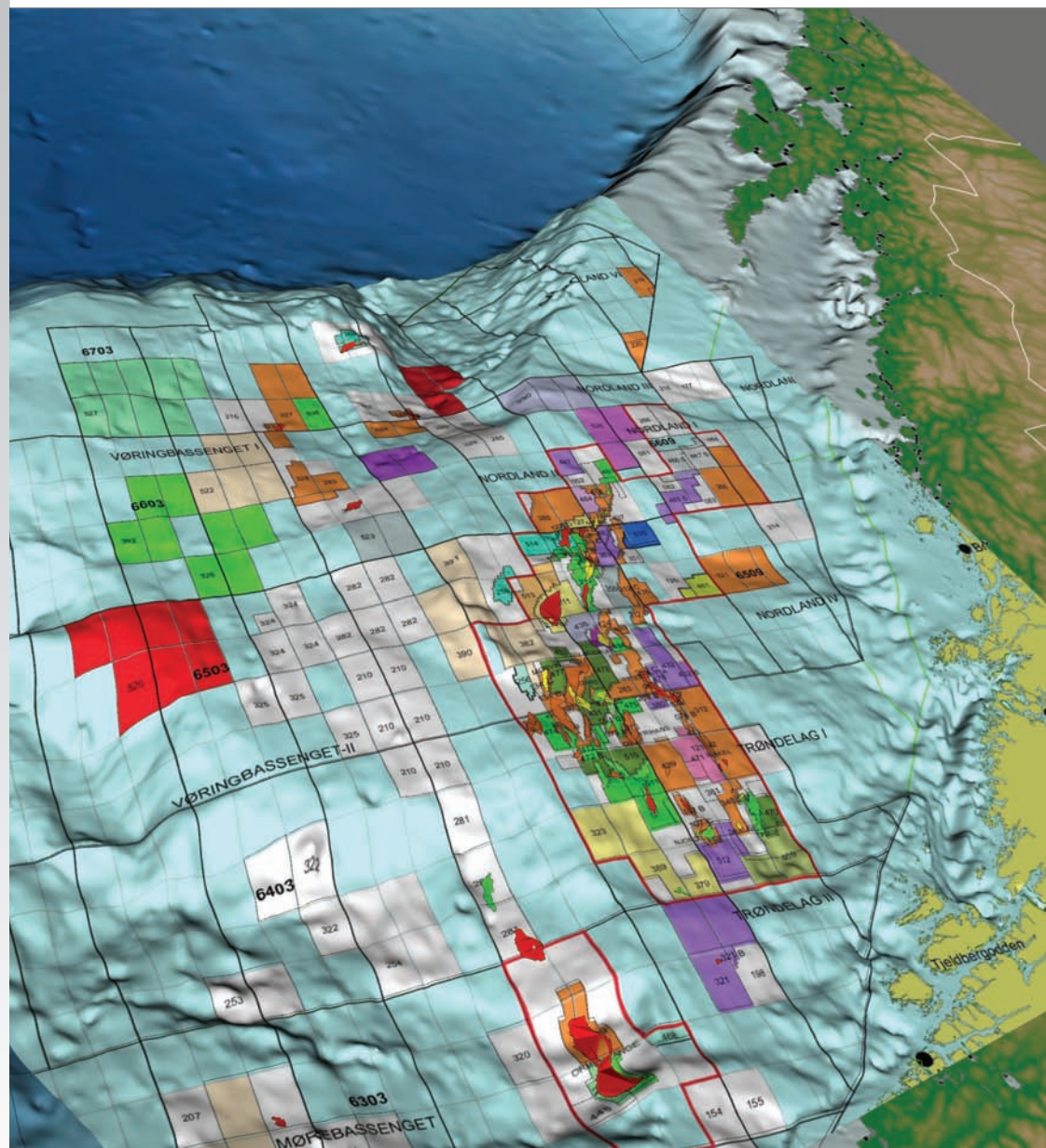


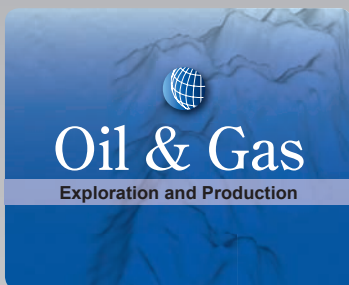
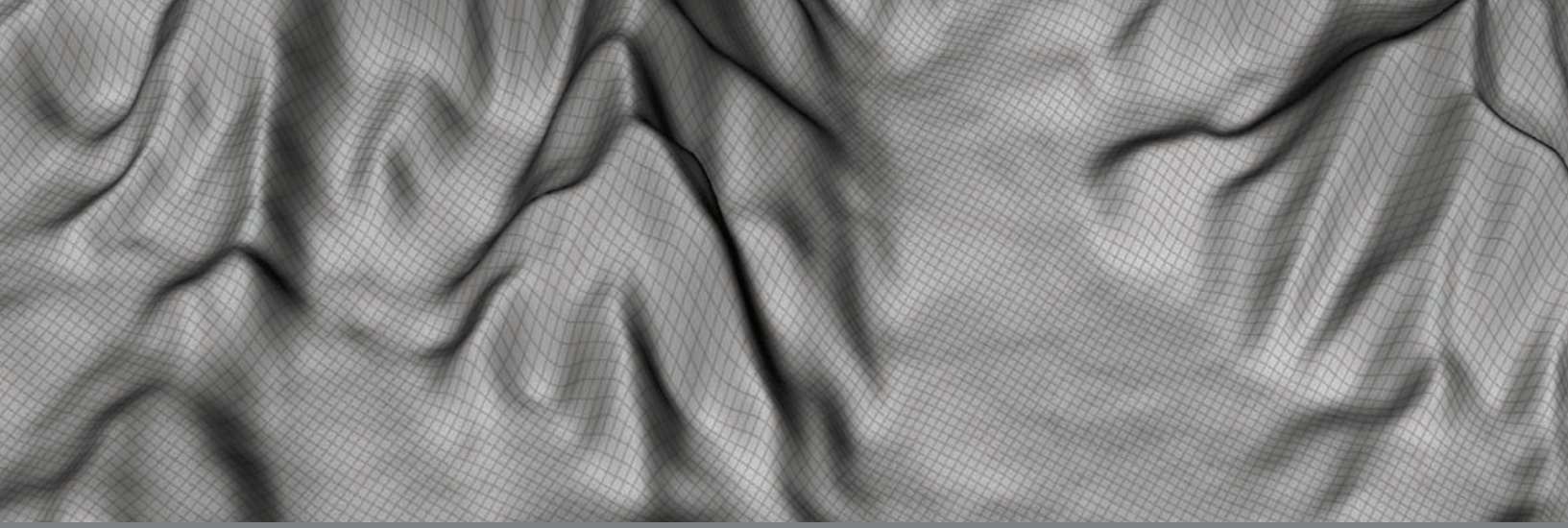
## Features

- Stacking velocity handling and analysis
- Velocity cube generation and manipulation
- Depth conversion of surfaces and seismic
- Well planning and well log display
- Eclipse simulation models
- Layer models
- Volumetrics
- Cross sections of reservoirs and layers
- Prospect analysis
- Drainage areas and flow analysis
- Combining grids using ramps

## Oil & Gas

Geocap Oil & Gas contains functionality for work with Exploration and Production. The Oil & Gas module is used by geologists, geophysicists and reservoir engineers, either as a primary system or as a supplementary tool. Key benefits include great sources of functionality and customized work routines for improved productivity and efficiency.





### Import formats :

- ASCII
- SEG-Y
- Shape and DXF
- GMT NetCDF
- JPG / png / Geotiff
- Irap Binary and ASCII
- Navigation and well formats
- EM data (ASCII/SEG-Y/Multifield)
- Velocities
- Interpretations
- DB incl ArcSDE, Oracle Spatial

### Export:

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

### System requirements:

#### Platform:

Windows 7, Windows Vista, Windows XP, Linux

#### RAM:

1GB minimum, 2GB recommended

#### Graphics:

512 MB



## Geocap Oil & Gas

Some feature highlights;

### Mapping and presentation graphics

Geocap performs high quality mapping and image export. Map various attributes with custom color bands, textures, or continuous color tables. Any display can be used with workflows to create presentations, including 3D flight tours that can be exported as movies. Windows and viewports may be connected for comparative analysis.

### Gridding of points, lines and faults

Geocap has many sophisticated gridding algorithms and can handle fault lines and planes.

### Volumetric

Geocap can provide volumetric routines for all cases from early prospects to complex reservoirs with multiple compartments and zones.

### Prospect and risk evaluation

The Prospect Analysis module in Geocap performs monte-carlo simulation of recoverable oil and gas volumes in a reservoir model. All parameters

connected to calculating recoverable oil and gas can be modeled as uncertainty distributions. The prospect analysis module will calculate a volumetric distribution for recoverable oil and gas instead of just one volume number.

### Stacking velocity handling and analysis

Geocap can handle mis-ties between crossing lines and perform analysis to secure data of high quality for use in gridding and depth conversion.

### Velocity cube generation and manipulation

Geocap provides elegant methods for creating velocity cubes from stacking velocities and check shot wells. The velocity cube can be manipulated into alternative forms for special usage like interval velocities and depth cubes.

### Drainage areas and flow analysis

Geocap has an advanced algorithm for drainage area calculation that enables the user to specify criteria for area size and alignment. One can combine and split areas and produce drainage curves around the patches of drainage areas.

