

A NEW CONCEPT

ULTIMATE GOAL

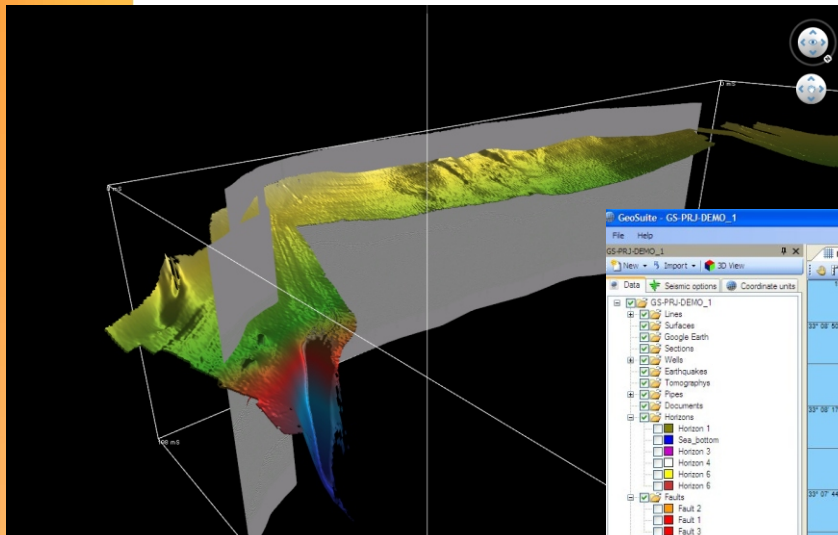
To understand the geological structure and history of an area the interpreter has to think in 3 spatial dimensions that are evolving through time.

3D SPACE

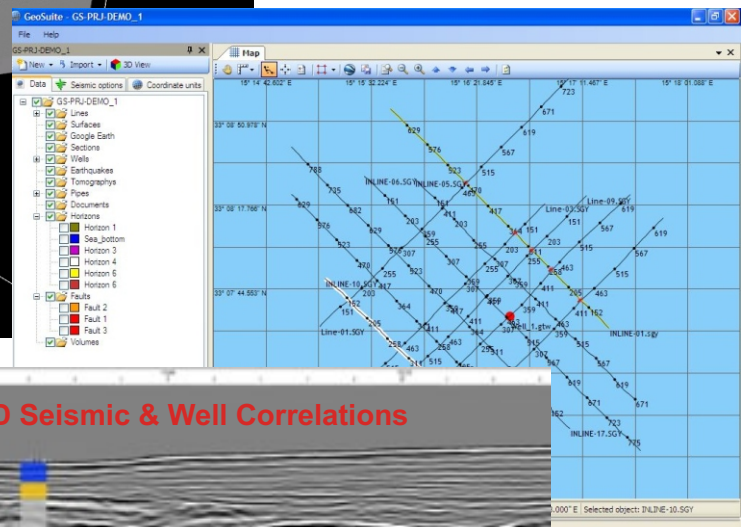
Therefore, the ultimate goal of an integrated geological study is to create a 3D model of the actual situation where all geophysical and geological data can be represented in their true spatial position.

SOLUTION

Geo-Suite offers a comprehensive series of advanced tools using all types of domain information plus geological and geophysical knowledge to help you with complex 3-D data interpretation in **one single software environment**.

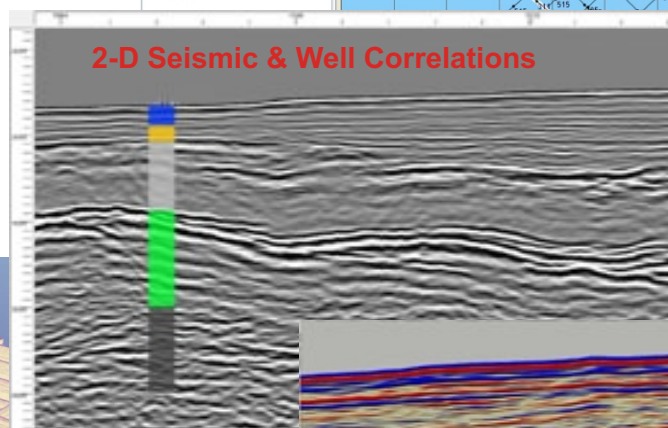
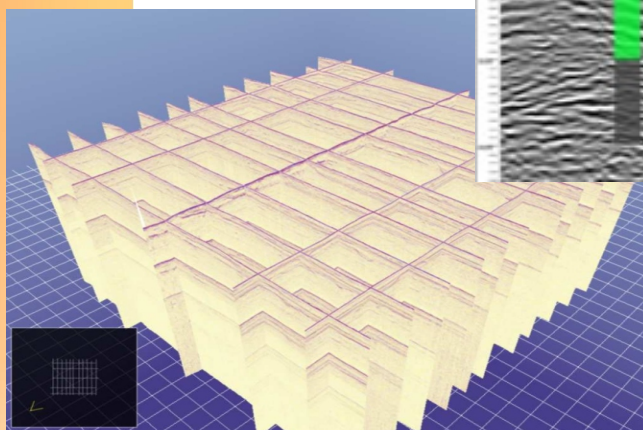


Earthquakes - Tomography

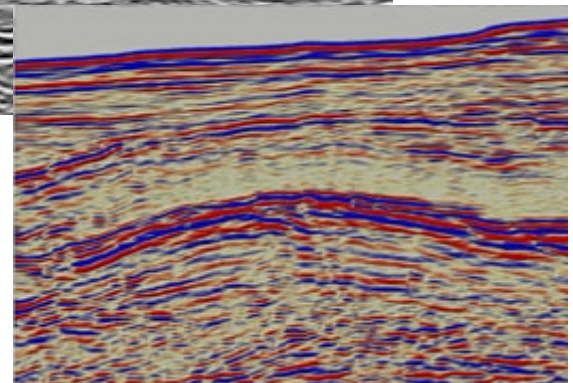


Bathymetry in 3-D
Multi-beam

Well Information and Logs



3-D Seismic Data

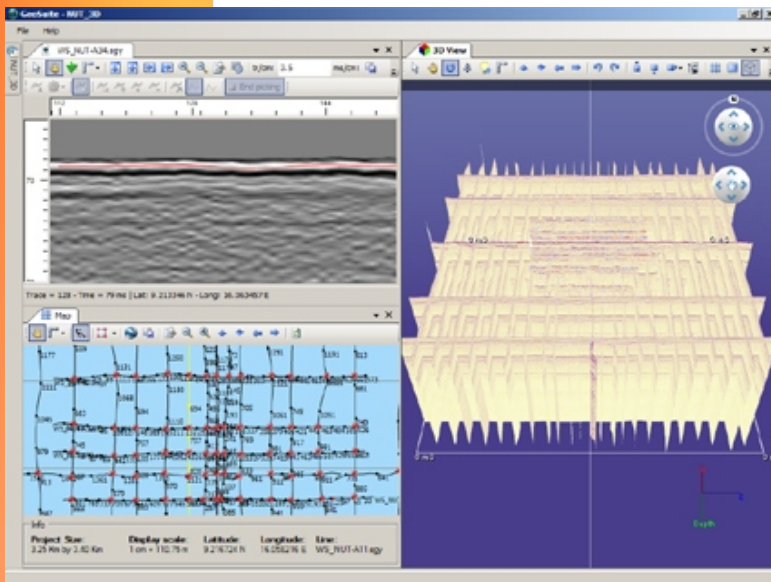


Attribute Analyses

Geo-Suite provides what you always wanted

- FAST HI-RES PROCESSING**
- INTERPRETATION**
- 2-D and 3-D VIEWING**
- ALL-IN-ONE DATABASE**
- MAPS**

- Very fast and specialized hi-res seismic processing of your data at any stage in your interpretation process
- Easy picking of horizons, interpretation of faults, time-depth conversion.
- Simultaneous 3-D viewing of your profile, your map, your seismic profile, any data from any viewpoint you select.
- Seamless import of other data sets: well data, multi-beam data, images of old sections, interpreted profiles, earthquake data.
- Interactive editing and viewing of your maps or charts



New, fresh approach

Existing processing and interpretation packages are not only complicated but also expensive and only accessible for some happy few.

Geo-Suite is an original and fresh development, which does not have the burden, nor the limitations from the past.

Cost-effective

We have developed a totally new software package which is really easy to use and we keep it affordable for everybody.

Simple to use

Geo-Suite is so user friendly you won't even need to use the manual.

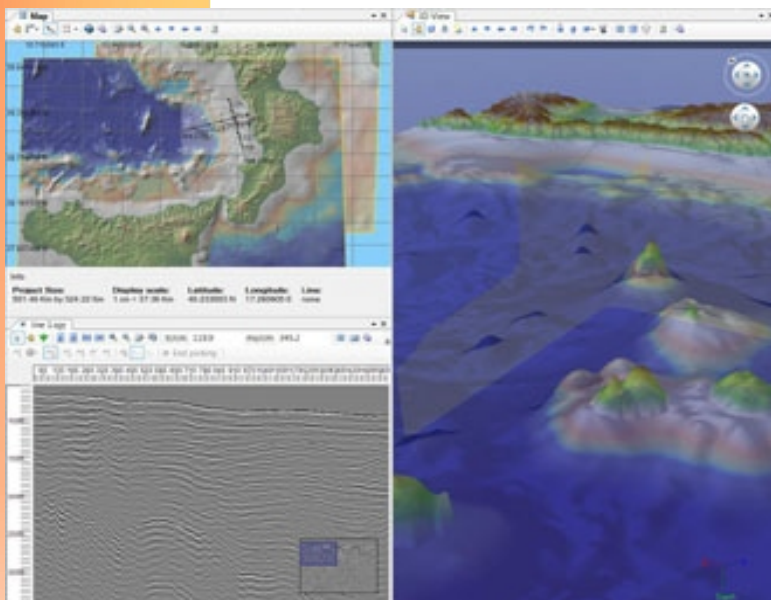
Data import into your project is fully automatic and it simply done by selecting the relevant files

Survey boundaries are automatically calculated with the proper data and coordinate formats.

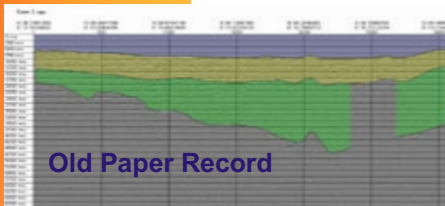
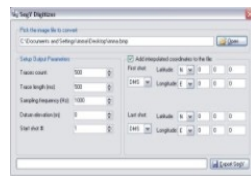
You can focus entirely on geological and geophysical aspects of your project.

Follow your ideas

The docking interface enables you to arrange and layout the internal windows like you prefer on one monitor, on two.



SEG Y DIGITIZER PLUG-IN



New techniques Dedicated Plug-ins

Geo-Suite is open ended. We continuously incorporate new techniques in earth sciences.

Our team develops dedicated plug-ins and customized modules that are used for research purposes and refreshing new ideas in geological interpretation.

Such methods comprise all, non-trivial interpretative processes, which transform data into useful information, which can only originate from the confluence of data and knowledge.

Oops...

Preserving your old data about to be lost

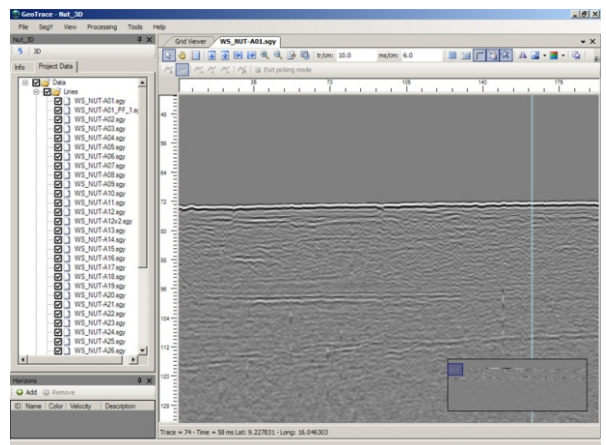
You can now preserve your old data acquired in the past and integrate them in your model without losing anything.

Comprehensive Database

An individual data set, alone, is often not enough for creating a 3-D model.

Geo-Suite provides a series of flexible and innovative methods to collect, import, filter and analyze all kinds of heterogeneous data sets in one 3-D model.

This allows to make a spatial cross correlation of different data sets and will open the way to new insights and concepts.



KNOWLEDGE



DATA



INFORMATION

Multi-disciplinary Frame work

Geo-Suite provides a multi-disciplinary framework, which can be used for many other geological and geophysical studies.

Boosting efficiency and comprehension

Now experts with different competencies can work together in one single software environment with multiple data sources.

This is effectively increasing efficiency and reducing the costs of remote cooperation.

Multi-disciplinary database

You can create your database with an unlimited variety of geo-referenced data, multi-beam bathymetry, earthquakes, tomography, well sites, mono / multi-channel seismic profiles, horizons, faults, velocity profiles.



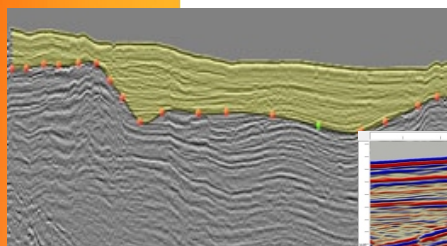
Google Earth

Geo-Suite is fully compatible with Google Earth: you can export your survey as a place mark, import overlays, etc

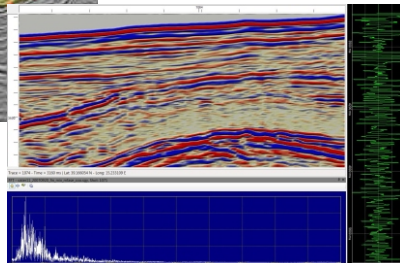


GEO-SUITE ALLWORKS

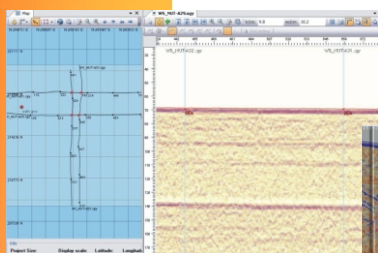
Processing - Interpretation - 3D Visualization



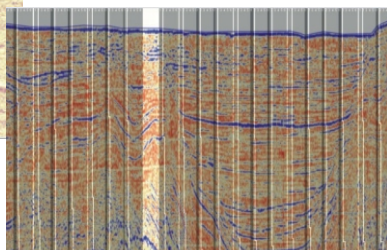
Auto-picking & Colour Overlay



Trace Viewer and FFT Computation



Crossing Lines



Velocity Analyses

2-D and 3-D viewing

All changes you make in the 2-D displays are immediately visible in the related 3-D views. This includes the geo-referenced mouse position, which is identical in all views

You can manipulate your virtual 3-D space like you want, zoom-in from any direction, rotate and tilt your image, and fly in between your data.

Enhanced 3D rendering includes adjustable illumination of your surfaces, variable transparency; various draw modes (opaque, wireframe) to obtain whatever effects you prefer.

Recommended Hardware

For optimum performance, we recommend an up-to-date PC with dual core processor technology, 4 Gb RAM and minimum 125 Mb video memory. Obviously, a wide-screen monitor will allow to appreciate your profiles and 3-D displays much better.

Automatic Updates

Updating Geo-Suite is fully automatic. Just connect your computer to internet and the program will get up-to-date by itself, every time a new version is available on the server.

Fast Seismic Processing

You will just be amazed by the speed of the new specialized, hi-res seismic processing algorithms. Usually, you spend most of your time waiting behind the screen. Now, with Geo-Suite, you get an almost instantaneous high quality response.

Thanks to our proprietary memory management technology, we are able to display very quickly, large seismic profiles, at high resolution. Moreover, we use a special sub-sampling algorithm to obtain a smooth image in sloping structures

Easy Interpretation Tools

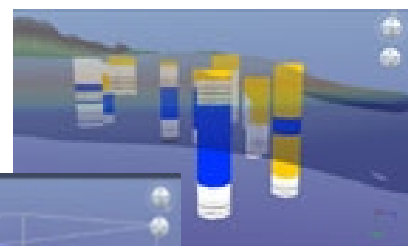
Geo-Suite offers a set of powerful interactive auto-picking algorithms, which will improve your productivity and accuracy beyond expectation.

For definition of your structural framework, fault traces can be picked in 2-D, and simultaneously displayed as planes in 3-D.

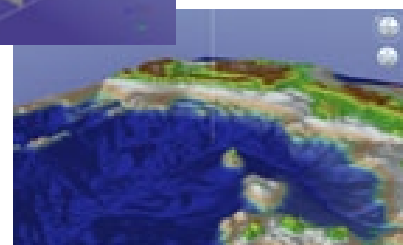
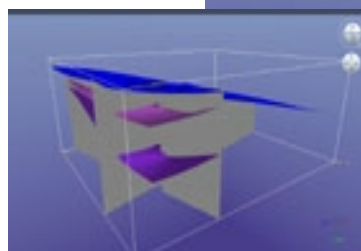
You can cross-correlate your seismic data with a wide variety of other data sets: well logs, cross sections, velocity profiles.

Using the velocity information, you can obtain a precise time-to-depth conversion, that will show the real structures both in 2-D and 3-D.

High quality show sections with transparent colored overlays are produced by just one click of the mouse.



3-D viewer



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