

WHAT IS 3D GeoModeller ?

3D GeoModeller (formerly known as 3D-WEG) is a 3D geological modelling and geophysical inversion package.

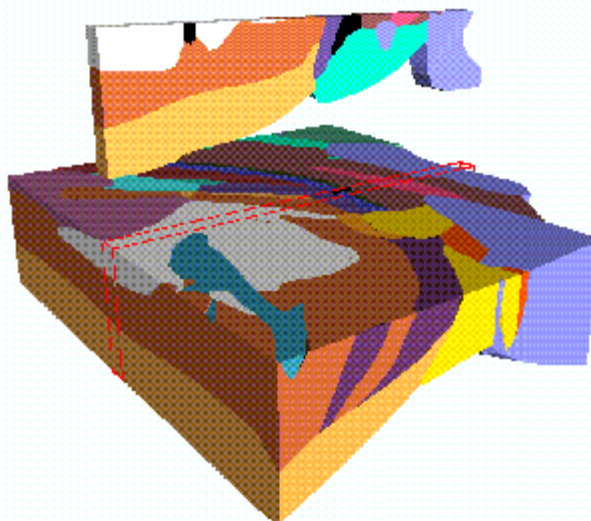
3D GeoModeller's unique features ?

- accepts primary geological observations to *build the 3D geological model*
- is geologically sensible, adhering to built-in geological rules
- easily accepts extra data, rapidly incorporating these and fully revising the model
- uses geophysical datasets to refine the model via inversion approaches (gravity and magnetic survey data) and forward modelling (seismic data)
- accurately models complex geological settings and elements (overturned fold limbs, complex faults / shear zones, intrusions, water columns and basement)
- its inversion process continues beyond a satisfactorily low misfit level (of observed versus computed parameters) – exploring a wide range of allowable models, and presenting these in terms of probabilities
- performs forward modelling of seismic data

In contrast to a CAD-style model, using shapes and surfaces to describe objects within a model ...

a geological model in **3D GeoModeller** is described in terms of:

- a stratigraphic pile
- geological contact points
- geological orientation data



Once a 3D GeoModeller project has been populated with raw geological data, the software computes a fully coherent geological model.

This 'compute' process is a complete re-build of the entire model from the

3D GeoModeller is *already* a highly useful tool for the petroleum and mineral industries, ready for use by exploration geologists and geophysicists, and executives alike.

See <http://3dweg.brgm.fr> for further information, case studies and interactive displays.

ASK us about 3D GeoModeller's ongoing development through collaborative R & D with Australian and international organisations...AND...ASK us about opportunities for YOUR company to be involved in 3D GeoModeller's further development and commercialisation ...

For more information ...

Melbourne Philip McInerney
Intrepid Geophysics
Unit 2, 1 Male Street
Brighton (Melbourne)
Victoria 3186 AUSTRALIA

Tel +61 (0)3 9593 1077
Fax +61 (0)3 9592 4142
Email info@dfa.com.au
Web: www.intrepid-geophysics.com.au
(and www.intrepid-geophysics.com)

Perth John Brett john@dfa.com.au
138 Grand Promenade, Doubleview
WA 6018 AUSTRALIA (0)8 9244 9313

Agents Canada, South Africa, Europe