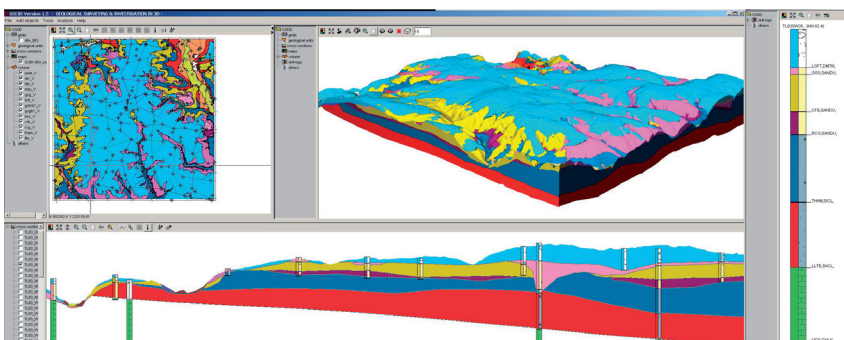
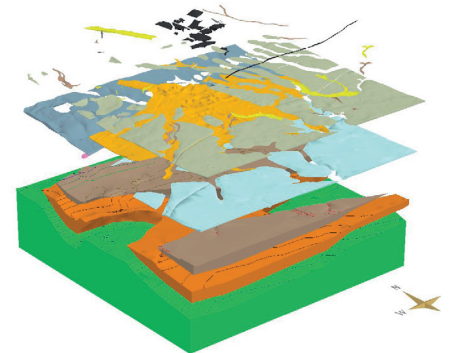
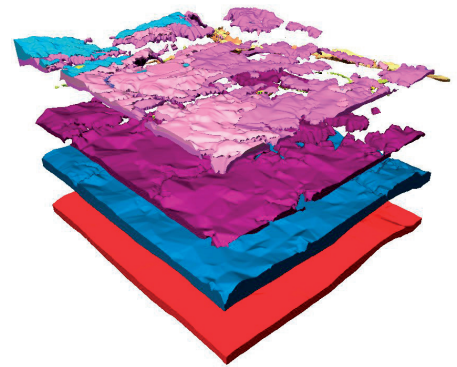


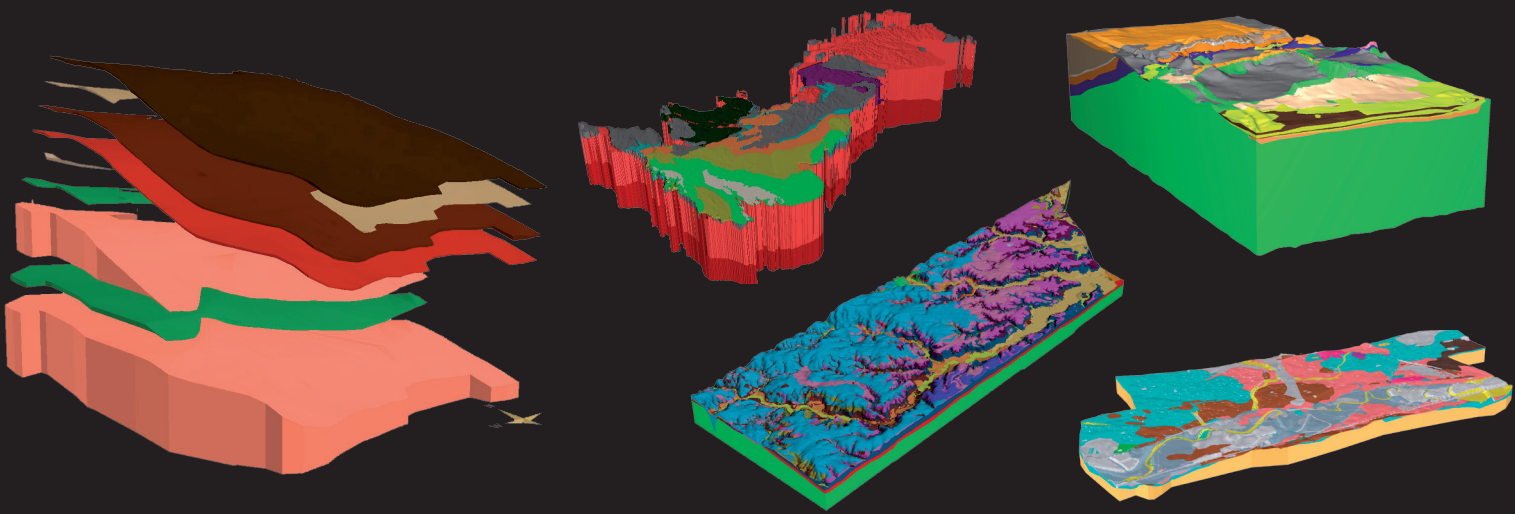
**G**SI3D is an exciting software package for modelling and visualising the subsurface in three dimensions. GSI3D utilises digital geoscience data and geological expertise to rapidly produce 3D geological models of the subsurface without the need for a highly trained expert software user. GSI3D has been developed jointly by BGS and INSIGHT GmbH and is being applied by the BGS, where it is the modelling tool of choice. It is now available for geologists outside BGS as part of the GSI3D Research Consortium, [www.gsi3d.org.uk](http://www.gsi3d.org.uk).

GSI3D utilises a range of data including digital terrain models (DTM), surface geological linework, geophysical sections and borehole data to enable the geologist to rapidly construct a series of interlocking cross-sections. Constructing cross-sections is intuitive and flexible, combining borehole and outcrop data with the geologist's experience to refine the interpretation. By combining the cross-sections and the 2D distribution (total outcrop and subcrop) of the geological object, GSI3D can calculate a solid model comprising a stack of digital volumes, each corresponding to one of the geological units present.

GSI3D models and their derived outputs can be delivered in standard GIS software formats and are interoperable with other 3D software.

With the commercial launch of GSI3D, the 3D modelling methodology and software can now be used by other geological surveys, academia, commercial companies and





individuals interested in creating their own 3D models. Clients who have commissioned 3D models or licensed 3D geoscience information from BGS include environmental regulatory bodies, local authorities, utility companies and academic institutions. Uses include:

- water management
- flood risk
- predicting ground conditions for major infrastructure projects
- waste disposal
- geological research
- aggregate resource evaluation
- archaeological studies
- contaminated land investigation

The prediction of ground conditions to aid planning in the context of environmental change will make 3D models an integral part of future decision-making for many organisations.

The BGS is now making GSI3D available under licence to customers in the form of a subscription to a research consortium. As a member of the consortium you will gain access rights to the software, with regular updates, supported by user documentation and access to an email helpdesk, and most importantly, membership of the consortium community. This membership will provide the opportunity to share experiences on all aspects of GSI3D, make suggestions and give feedback through our website, email and future conferences. This will improve user experience and the capability of the software.

For prices and more information on how GSI3D could be beneficial to you or your organisation, please visit our website at [www.gsi3d.org.uk](http://www.gsi3d.org.uk).

For more information please contact:

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