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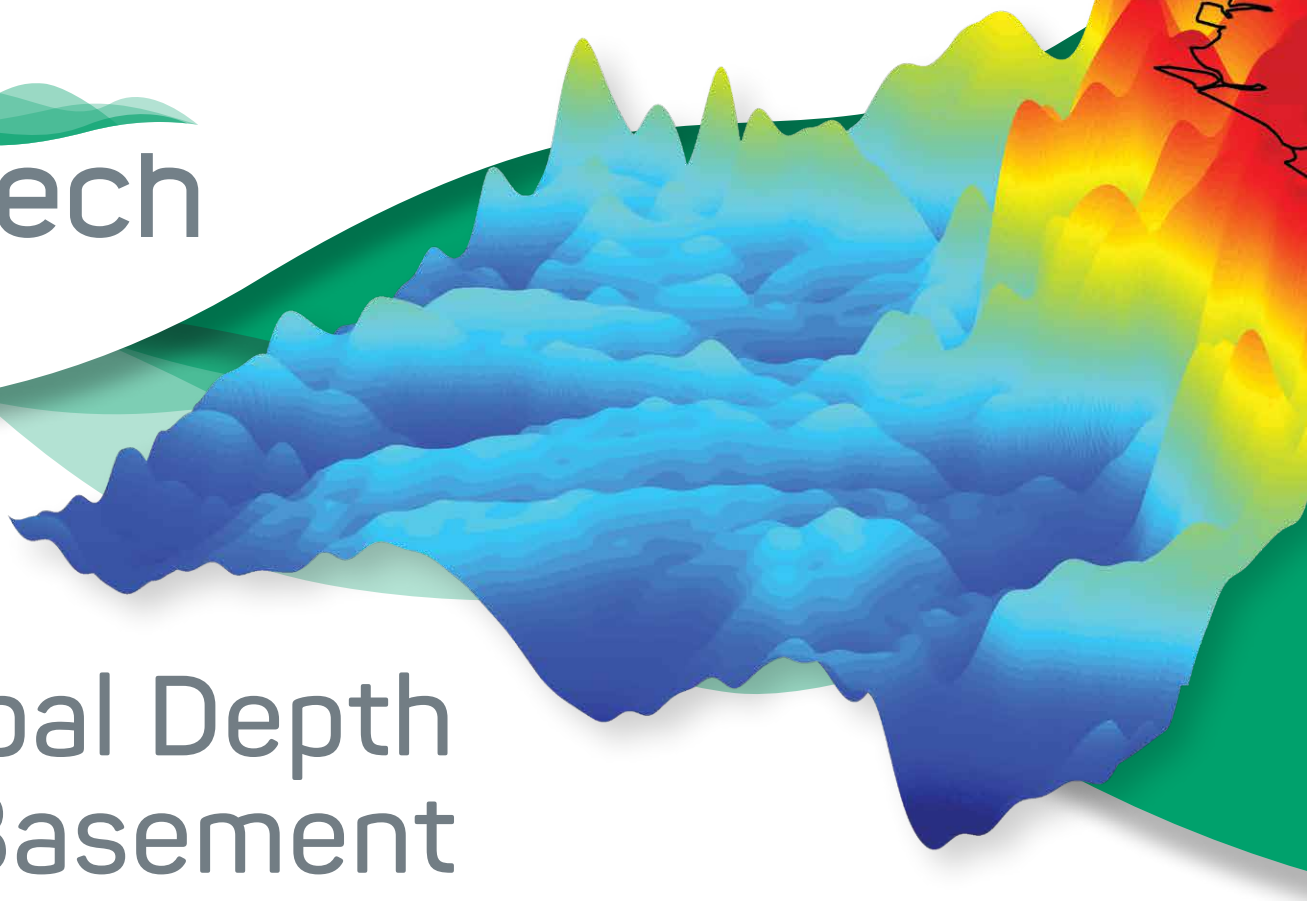

Global Depth to Basement

Further your understanding of resource prospectivity with our depth to basement and sediment thickness estimations

Underpinned by our world-leading gravity and magnetic coverage and an innovative methodology, our Global Depth to Basement data product helps you kick start your evaluation of resource prospectivity and provides a robust framework to enhance your interpretation using in-house data.

USES

Global Depth to Basement can be used as part of an integrated exploration campaign to:

- Identify sedimentary basin areas and their extents.
- Quantitatively assess sediment thickness and the impact on resource prospectivity.
- Provide input into basin modelling for hydrocarbon maturity.
- Help understand the local thermal regime for petroleum, minerals, geothermal and hydrogeological studies.
- Give constraints for structural/tectonic modelling.
- Provide insights into basin evolution.
- Plan and target future exploration efforts.
- Get a head-start when evaluating new areas.

BENEFITS

Our Global Depth to Basement data will enable you to:

- Estimate sediment and crustal thickness for all onshore and continental margin areas of the World (where coverage allows).
- Utilise results from an innovative workflow comprising gravity and magnetic inversions constrained by a global database of well and seismic data.
- Effectively and efficiently high-grade areas for further exploration.
- Integrate your proprietary data into a robust, consistent regional framework.

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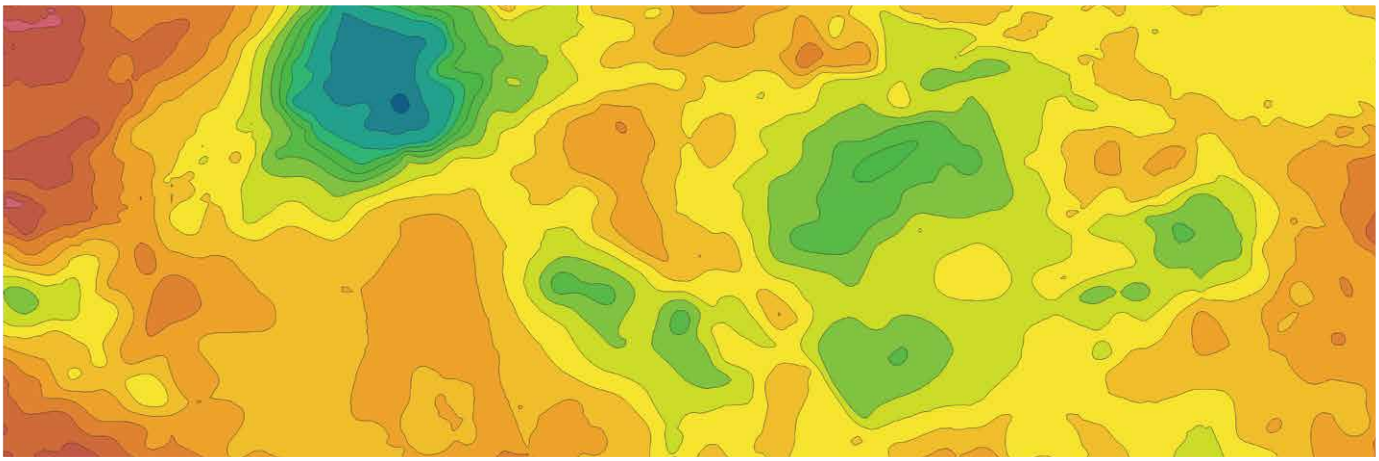
KEY FEATURES

Global Depth to Basement provides a vital set of tools needed for regional basin screening. Our market-leading proprietary workflow leverages our global gravity and magnetics to address the challenges of undertaking such a project on a global scale. The results comprise:

- An innovative integrated methodology including magnetic depth estimate, gravity inversion and magnetic inversion that compensates for variability of input data coverage and resolution.
- A data-driven approach using seismic, well and receiver function data to address the challenges of varying geological provinces and parameterisation.
- Gravity inversions for Moho depth based on cross-correlation with independent constraint data.
- Finite thickness corrections for magnetic depth estimates which significantly improve accuracy near continental margins.
- 5 km resolution grids of Depth to Basement, Depth to Moho, Sediment Thickness, Crustal Thickness and Beta Factor.
- Input gravity and magnetic data specifications and images.
- Confidence overlay based on input data and constraints.
- Constraint details and XYZ values.
- ArcGIS project & technical report.



To learn more about Global Depth to Basement Data email **info@getech.com** or visit **www.getech.com**

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ABOUT GETECH

Getech applies its world-leading geoscience data and unique geospatial software products to accelerate the energy transition by locating, developing and operating geoenergy and green hydrogen projects.

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