Globe

Earth's Evolution
Unlocked for Better Exploration

Globe is a geoscience knowledge-base for ArcGIS that helps you understand Earth's geological evolution to better predict the location of its natural resources.

Globe documents the evolution of geology and structures, tectonics and climate at a fine spatial and temporal resolution for the last 400 million years. Globe is built sequentially upon fundamental observations, with rigorous validation against primary data.

USES

Globe provides data and workflows that help you build a better regional understanding of your exploration territory, which will enable you to:

- Determine the evolution of your basin through time.

- Understand which basins were conjugate.

- Locate areas of analogous geological development and character.

- Document crustal architecture.

- Constrain heat flow and thermal structure.

- Evaluate the resource systems.

- Gain insights into sediment delivery systems.

- Predict weathering processes and their control on the character and spatial distribution of sedimentary deposits, including reservoirs that produce heat or hydrocarbons, reservoirs that store hydrogen or carbon dioxide, or rocks that host mineral deposits.

- Investigate reservoir quality and flow characteristics of permeable rocks to understand productivity or injectivity, or supergene enrichment processes.

- Predict the distribution and thermal/chemical evolution of organic-rich sediments that generate hydrocarbons, seal repositories, or control redox conditions for metal deposition.
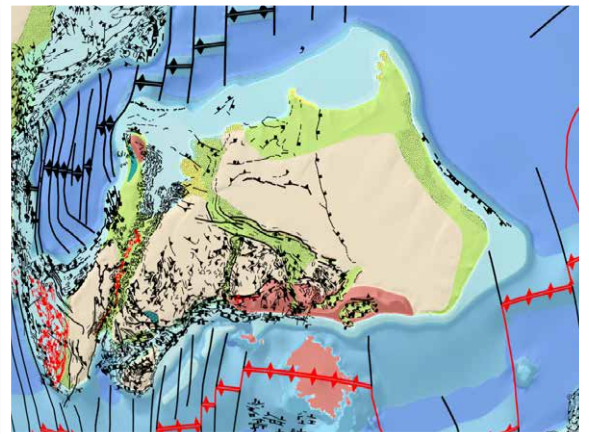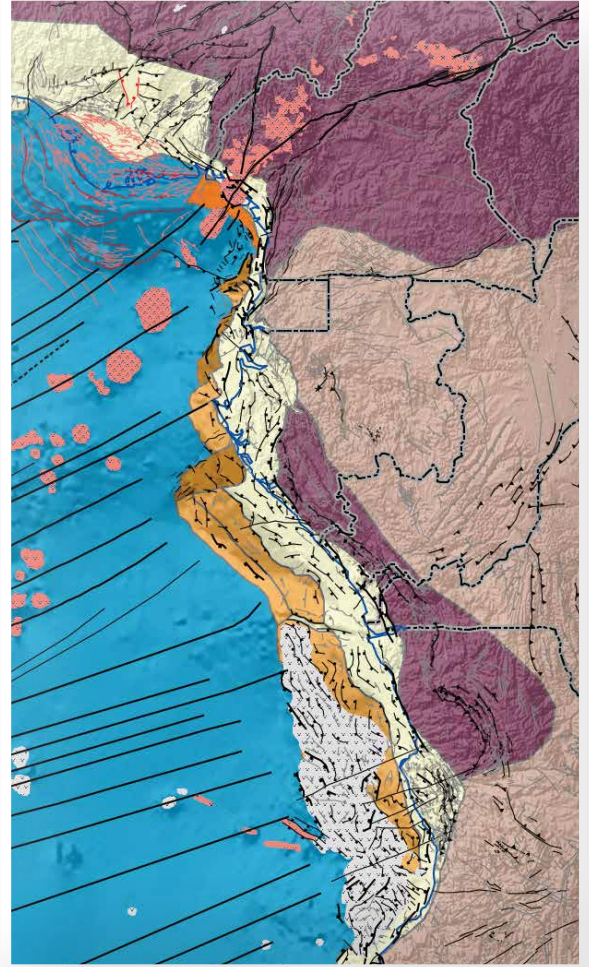
BENEFITS

- Make better decisions by evaluating your basin in a regional context, rather than as an isolated area.

- Increase efficiency during competitive bidding and new ventures assessments.

- Improve exploration performance by high-grading and ranking opportunities.

- Increase communication between teams, disciplines, and management by presenting consistent and fully audited data in summary reports and maps.

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KEY FEATURES

Globe is built by Getech experts in geophysics, tectonics, palaeogeography, global geology, Earth System Modelling and GIS to help you better understand your exploration assets and predict geologic risk and uncertainty. Globe's components place your investigation in a genetic context to better understand your focus area. Globe delivers:

- Detailed, fully audited, high resolution structural framework with activation histories, and a leading global plate model underpinned by Getech's extensive geoscience data and world leading Global Gravity and Magnetic Database.

- Crustal architecture layers and geophysically-derived heat-flow estimates that provide high-quality input to thermal modelling.

- State of the art, stage-level palaeogeographic reconstructions, digital elevation models (DEM) and 'source to sink' sediment-supply characterizations for 59 consecutive time slices from the base Permian to Present Day.

- Unique stage-level palaeosurface geology layers provide insight into provenance lithotypes to help evaluate the volume, character, and timing of sediment delivery in your area of interest.

- Cutting-edge palaeoclimate, palaeotide and lithofacies prediction data layers with interactive graphical tools help high-grade favourable conditions for resource concentration.

- Easy-to-use collections of layers allow you to focus on the key evaluation questions in your area of interest.

- Simple, open architecture, with fully editable GIS data allows quick interrogation and integration with your corporate and third-party data to keep your exploration approach focussed.

- Fully audited and data-driven knowledge-base.

- ArcMap and ArcGIS Pro versions.

- Globe Online, a cloud-based application allowing you to view Globe data on any device, anywhere, at anytime.

- Training and support from industry-leading geoscience and GIS experts.

To learn more about Globe
email **info@getech.com** or visit **www.getech.com**

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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