GeoMapX

Natural-language geological mapping

Let business users describe their mapping needs in natural language, then create maps, make successive edits, and continue into downstream work within one workspace.

Operating context

Research-theme-driven mapping

Researchers organize maps around blocks, wells, and horizons for material comparison, plan discussions, and output preparation.

Current workflow gaps

01 Requirements depend on retelling

Objects, scope, and styles are repeatedly confirmed.

02 Graphics operations have a high barrier to entry

Non-specialist users have difficulty making changes directly.

Expected deliverable

Verifiable, editable specialist maps

Capabilities and value

01 Let business experts participate directly

Connect specialist graphics resources through natural language, reducing the need to relay requirements and enabling business users to obtain and adjust maps.

Evidence: question-and-answer mapping interface shown in product materials

02 Retain context while making successive edits

Overlay content, apply filters, and adjust styles on the current map, using object identifiers, fields, and refresh mechanisms to maintain a consistent data basis.

Condition: specific instructions and resource scope are confirmed according to configuration

03 Continue into research and output use

Save and share online under authorization; use GeoMapPro for standard tasks; and send complex symbols and publication layout to GeoMap for detailed refinement.

Validation: check layers, text, links, and editability

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Workflow and application

Business experts and researchers | Blocks, wells, and horizons | Theme-based mapping

Inputs

Authorized business materials
Objects and versions
Layers and specialist rules
Available graphics components

Product workflow

1. Understand the theme and confirm objects
2. Invoke components to generate a map
3. Refine the map through continuous dialogue

Outputs

Theme-based maps and edit results
Savable online outputs
A basis for research and detailed refinement

Specialists review the materials and presentation, then confirm whether the output is suitable for research or formal delivery.
Input conditions: authorized data and available resources Responsibility boundary: specialist interpretation and formal outputs are confirmed by personnel

Typical task and product evidence

Application example: structural well-location map generation and fault-color changes

Product materials show the complete question-and-answer window, mapping area, and editing process.
The current interface supports walkthroughs of the workflow; efficiency and stability require validation in actual use.

Adoption and integration

Core work: Q&A mapping, map compilation, and map use
Runtime dependency: Workspace and authorized resources
Confirm before adoption: instructions, components, and review responsibilities

Discuss a pilot

Select a real task.
Confirm the data and scope together.
Carry out mapping and review the results.