

PRODUCT BRIEF

Graph

**Interactive Cloud-Native Visualisation
And Location Intelligence Platform**

Graph

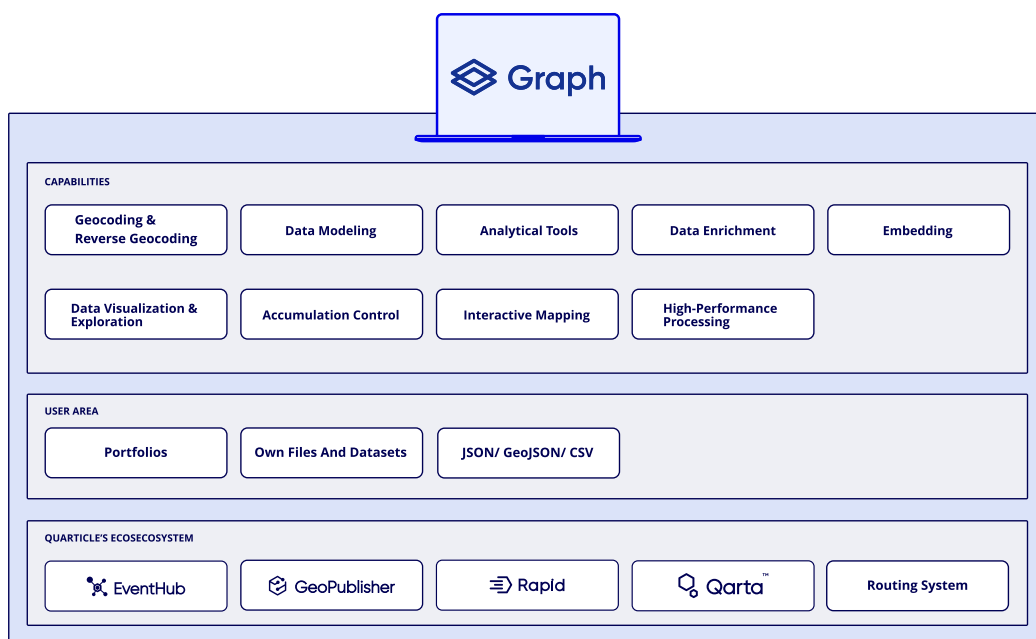
Product Overview

[Graph](#) is a web-based geospatial analytics application that brings distributed spatial and business data together for analysis and visualization. It enables teams to explore locations, assess risk, analyze portfolios, and identify spatial patterns through interactive maps and analytical tools.

Powered by the [Qarta™](#) GeoIntelligence engine, Graph provides fast performance on large and complex datasets while making geospatial analysis accessible to both technical and business users. Its intuitive interface allows users to work with different data sources, combine datasets with hazard layers, and turn geospatial data into clear, actionable insights.

Graph supports a wide range of spatial analysis and collaboration workflows, from location-level risk assessment and portfolio accumulation control to catchment area analysis, data enrichment, reporting, and map sharing.

Graph at a Glance

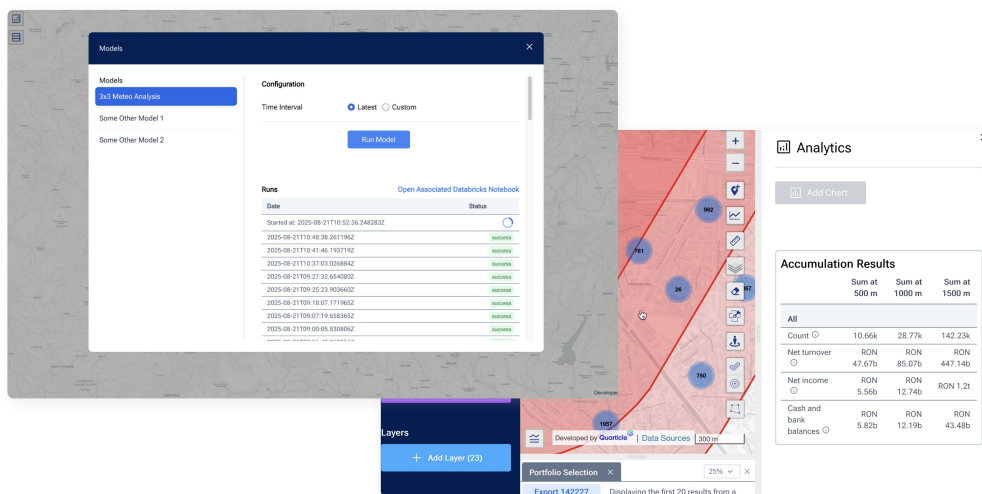


Key Features and Capabilities



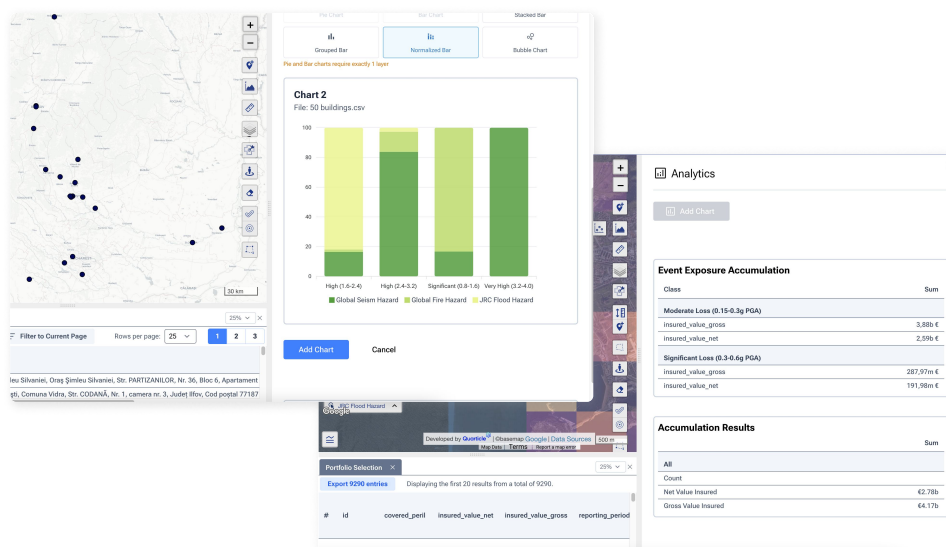
Geospatial Data Modeling

Graph enables organizations to model complex relationships across connected and spatial datasets, making it easier to uncover patterns, dependencies, and geographic context within a unified analytical environment.



Advanced Data Visualization & Exploration

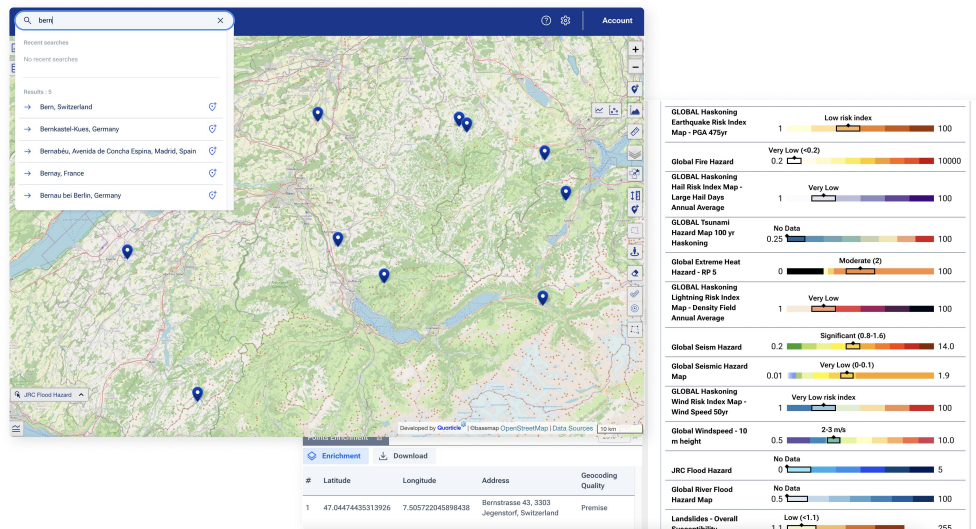
The platform provides interactive maps, charts, and reporting tools that allow users to combine datasets with hazard layers, apply filters, and generate clear, actionable insights.





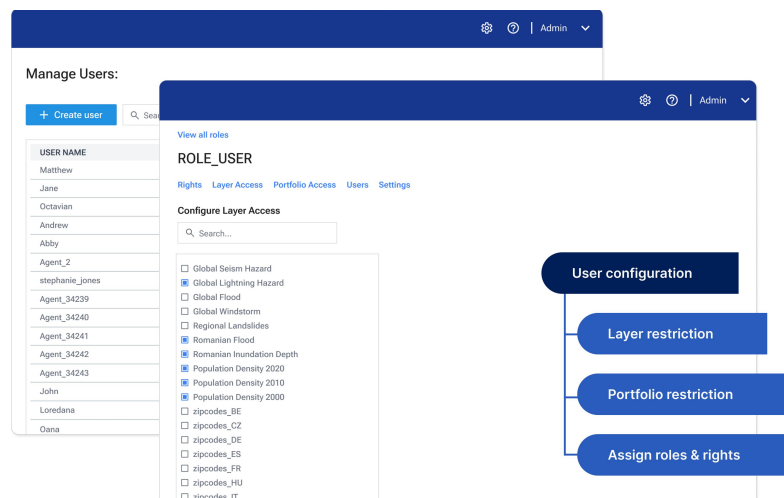
Risk Assessment & Data Enrichment

Graph supports detailed location-based analysis through geocoding, reverse geocoding, and batch enrichment, enabling users to assign risk scores and identify vulnerabilities efficiently.



User & Access Management

Graph provides robust user management capabilities, including role-based access control, layer-level permissions, and activity monitoring for governance and transparency.





High-Performance Processing (Powered by Qarta™)

Built on a scalable geo-intelligence engine, Graph delivers fast query execution and responsive analysis, even when working with large and complex datasets.



Sharing, Collaboration & Embedding

The platform allows users to share analyses through secure links, embed interactive maps into external platforms, and collaborate efficiently across teams.



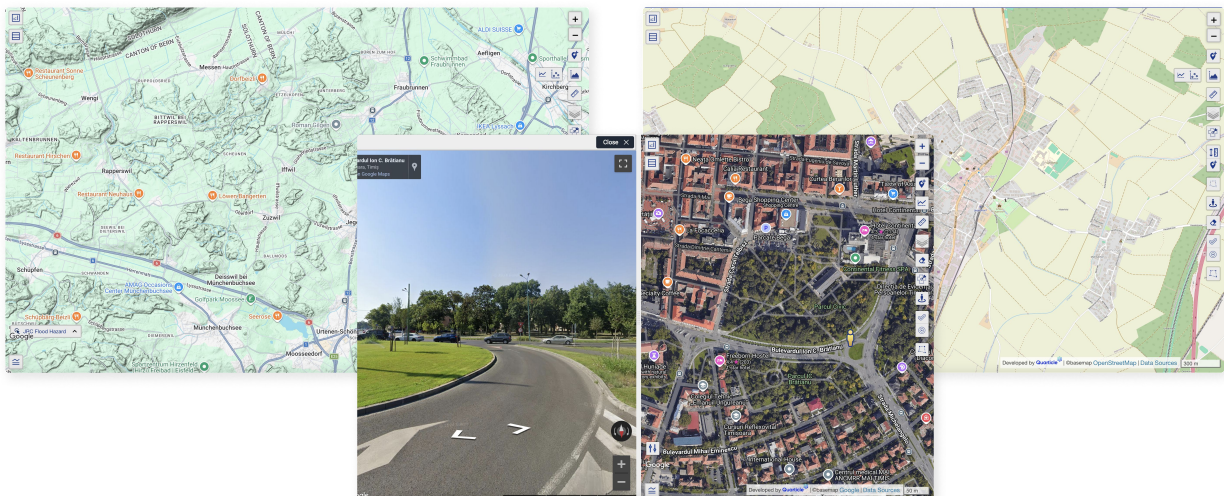
Repeatable & Controlled Analytical Workflows

Graph supports iterative analysis with consistent, reproducible outputs, allowing teams to refine models and queries as data evolves while maintaining control and clarity.



Interactive Mapping & Analytical Tools

Users can access standard and satellite basemaps, including integrated services such as OpenStreetMap and Google Street View, along with measurement and elevation tools for deeper geographic analysis.





API & Automation Capabilities

The product supports API token creation for secure integration, enabling automation of workflows such as geocoding, data enrichment, and system-to-system communication.



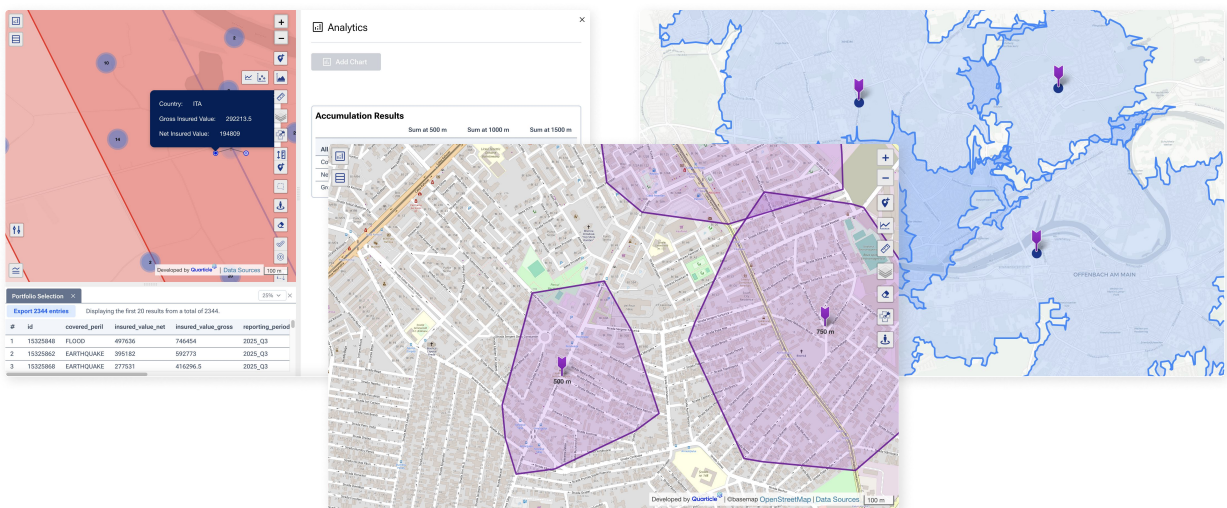
Scalable, Web-Based Architecture

As a fully web-based application, Graph requires no installation and is accessible from any device, ensuring flexibility and ease of deployment.



Spatial Analysis & Accumulation Control

The solution enables portfolio-level analysis directly on the map, with tools for aggregation, spatial filtering, and live catchment area analysis to better understand concentrations and exposure.



Seamless Data Integration

Graph works with common data formats such as databases, CSV, raster, and vector files, and integrates with existing workflows, including BI tools and notebook environments.

Business Benefits

✓ **Unifies Siloed Data**

Brings together tabular and geospatial data into a single environment, enabling faster, more complete insight without switching between systems.

✓ **Accessible to Non-GIS Users**

Enables intuitive exploration of complex spatial data, reducing reliance on specialized expertise and broadening access across teams.

✓ **Improved Decision-Making**

Provides a clearer understanding of relationships, risk exposure, and geographic context to support faster, more data-driven decisions.

✓ **Operational Efficiency**

Reduces the time and effort required to move from raw data to insight by consolidating analysis, visualization, and reporting in one platform.

✓ **Flexibility and Adaptability**

Allows teams to evolve analytical approaches as business needs and data change, without being locked into rigid structures.

✓ **Meets Enterprise Standards**

Aligns with widely adopted mapping and data standards, ensuring compatibility with existing enterprise systems and data ecosystems.

✓ **Easy to Share and Communicate Insights**

Simplifies how insights are delivered to stakeholders through clear, standardized outputs and secure sharing options.

✓ **Built for Enterprise Use**

Supports organizational requirements around governance, scalability, and controlled access, making it suitable for cross-team and enterprise-wide deployment

✓ **Transparency and Trust**

Provides visibility into how insights are generated, helping teams rely on consistent, explainable analytical outcomes.

Graph is suited for



Insurance & Insurtech



Logistics & Distribution



Fintech, Web3, Banking



Utility



Public
Administration



Media &
Telecommunications



Real estate



Police, Military &
Intelligence
Agencies



Retail & Geomarketing



Environmental,
social, & corporate
governance (ESG)



Quartile is an innovative company founded to help organizations harness the power of geospatial information and drive informed decision-making for their businesses. We use cloud-native technology and are enterprise-ready, delivering geocontent in a fast, flexible, and secure way for the world's largest corporations. Businesses use our products and services to translate real-world geospatial information into actionable insights and reach their full geolocation potential.



Unlock deeper insight from your data with Graph.

Reach out at **contact@quartile.ch**

Company Information

Headquarters: Baden, Switzerland
Development Centers: Arad and Timișoara, Romania
Founded: 2018
Core Expertise: Cloud-native
GeoServer-as-a-Service in any environment

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9001:2015