



EventHub

a Quartile
product

Product Brief

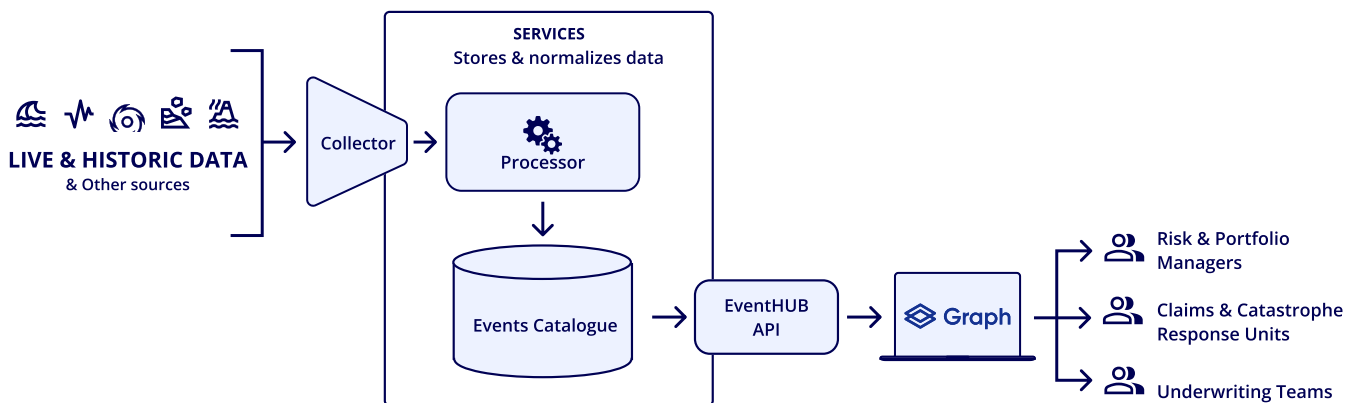
EventHUB

Real-Time Risk Footprint and GeoRisk Analysis

EventHUB is Quartile's real-time natural-event-capturing data hub, designed to empower insurers and reinsurers with instant, spatially enriched insights on risk events. From the moment a hazard occurs, EventHUB enables users to visualize, analyze, and respond with full portfolio context, supporting critical workflows in underwriting, accumulation control, claims response, and catastrophe modeling.

By seamlessly integrating with Quartile's geo-intelligence ecosystem, EventHUB turns live risk data into actionable insights, ensuring that every decision, from pricing to claims, is powered by the most current geospatial intelligence available.

EventHUB at a glance



Key Features and Capabilities



Live Footprint Overlay

Instantly intersect real-time or historical hazard footprints (e.g., flood zones, wildfire perimeters, storm paths) with active policies and claims data to assess exposure, estimate potential losses, and initiate early response.



Smart Accumulation Checks

Run automated spatial joins to detect risk concentrations in impacted areas, supporting real-time capital impact estimation and exposure management.



Claims Triage Intelligence

Prioritize claims inspections based on location, policy value, and hazard severity to streamline field operations and expedite customer payouts.



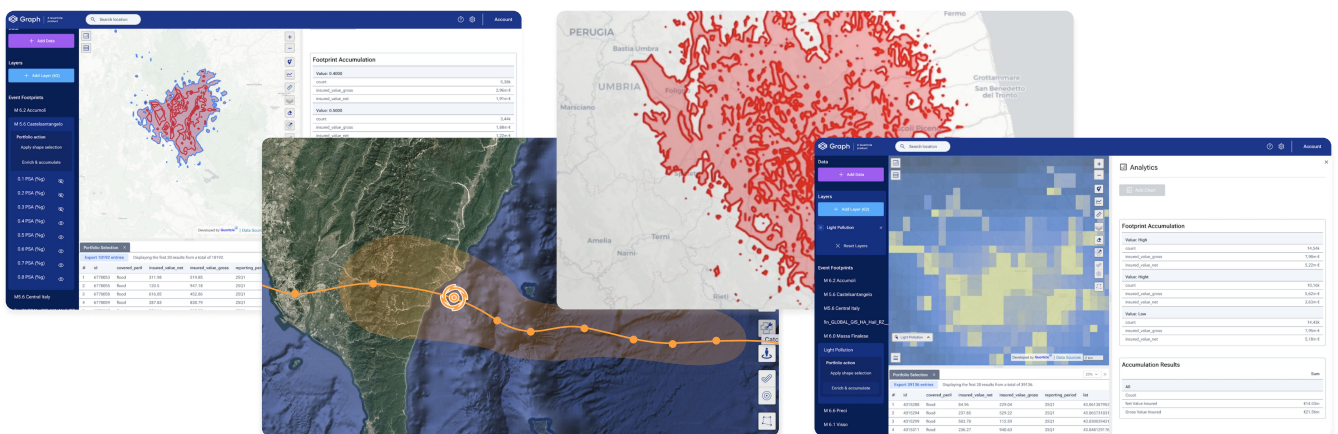
Historical Impact Analytics

Access curated, standardized event libraries to analyze past events, refine model assumptions, validate pricing thresholds, and improve underwriting strategies.



Visualize Event Footprints in Graph

Display and interact with both live and historical event footprints within Graph, Quartile's cloud-based location intelligence application, enabling overlay, multi-event tracking, and enriched data export for stakeholders.





Seamless Integration with Qarta™

Pair EventHUB with Qarta™, Quartile's cloud-native geo-intelligence engine, for advanced portfolio impact analysis and dynamic risk insights during unfolding events.



Enterprise-Ready API & Standardized Data

EventHUB's REST API delivers clean, normalized GeoJSON outputs compatible with existing GIS platforms, risk engines, and in-house dashboards, eliminating black boxes and ensuring system interoperability.



Persistent Archive with Traceability

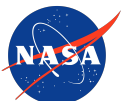
Maintain access to historical event data with metadata, version history, and audit-ready traceability, supporting long-term model calibration and defensible risk strategies.



Enterprise-Grade Security

Secure authentication via encrypted JSON Web Tokens (JWTs), with full logging and auditability of API calls.

Data Providers include



EventHUB integrates and processes data from multiple authoritative sources to deliver timely and comprehensive information on over 4000 international and national natural events covering seismic activity, severe weather, and atmospheric phenomena.

International Event Coverage

Earthquake

Global cataloging and grading of event magnitude and impact (e.g., negligible, moderate, significant, severe, catastrophic loss) based on peak ground acceleration and industry standards.

Flood

Worldwide event footprint and depth metrics are monitored in real time.

Wildfire

Global detection and grading of affected areas, including severity and partially burnt zones.

Atmospheric Events

Global tracking of wind severity, frequency, and speed.
International cyclone tracks are available, with wind speed data.

National Weather Data Integration

Weather forecasts and observations

Real-time, high-frequency (every five minutes) updates on national weather conditions.

Active event monitoring

Timely weather event tracking and forecast delivery for rapid response and operational awareness.

What Sets EventHUB Apart

→ Real-Time, Portfolio-Aware Risk Insight

Immediate access to spatially enriched event data that integrates directly into insurance workflows, empowering faster, smarter decisions at every stage of the insurance value chain.

→ Clean, Normalized, Ready-to-Use Data

Standardized outputs designed for direct use in GIS tools, modeling platforms, and analytical dashboards, with no post-processing required.

→ Deep Integration with Quartile's Ecosystem

Works seamlessly with Qarta™ for advanced analysis and with Graph for intuitive visualization, ensuring a unified, efficient risk intelligence workflow.

→ Built for Insurance Risk Demands

Supports critical functions from underwriting and claims to accumulation control and catastrophe response, all while scaling with your portfolio and existing technology stack.



5+ million
Points/ second
on an single instance



Live and Historical
Event Footprints



Scalable, Fast, Secure

Who is This For?



Underwriting Teams

Assess concentration risks at quote time and strengthen selection and pricing strategies.



Risk & Portfolio Managers

Monitor real-time accumulations and minimize post-event capital shocks.



Claims & Catastrophe Response Units

Locate affected policies quickly, optimize field team dispatch, and improve early loss estimates.



Reinsurance & Exposure Analysts

Align with reinsurance zones, validate event triggers, and prepare model-ready data submissions.



Risk Modelers & Catastrophe Modelers

Ingest standardized event footprints into modeling workflows for enhanced simulation accuracy and validation.

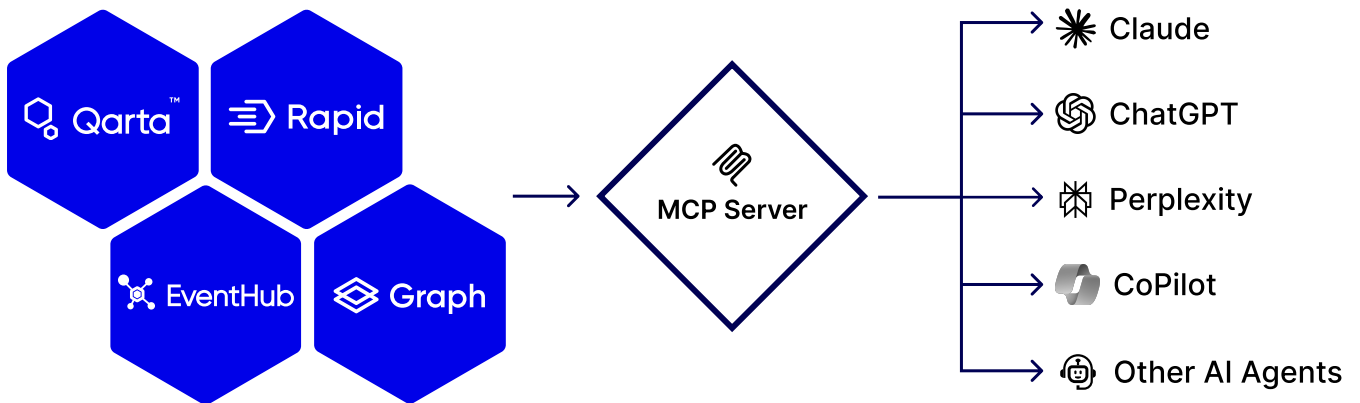


Disaster Management Agencies

Access immediate, reliable geographic impact data to support rapid response and resource allocation.

AI Integration & AI Readiness with MCP Server

The Model Context Protocol (MCP) unifies Quartile's product ecosystem (Qarta™, Graph, RAPID, and EventHUB) through a single, secure AI integration layer.



What MCP Delivers:



Seamless integration:

Single AI integration layer across all Quartile products.

Real-time, context-rich AI:

AI models gain access to live organizational data.

Efficiency and scalability:

Removes redundant integrations and reduces maintenance.

Future-proof and Secure:

Modular, extensible, enterprise-grade privacy and compliance.

This fully AI-enabled platform empowers insurers to harness AI-powered spatial analytics tailored to their unique needs, driving smarter decisions and unlocking greater business value.



Quartile delivers next-generation, cloud-native geo-intelligence solutions that empower organizations to manage, analyze, and distribute geospatial data at scale—securely, flexibly, and with industry-leading performance. Founded by experts from SwissRe, Oracle, HPE, Google, and ESRI, we specialize in delivering the fastest, most reliable geo-intelligence solutions for demanding enterprise projects.



Ready to Make Every Risk Footprint Actionable?

Connect with our team to see how EventHUB can deliver real-time spatial awareness, reduce capital exposure, and support smarter insurance decisions from underwriting through claims.



Schedule a meeting

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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