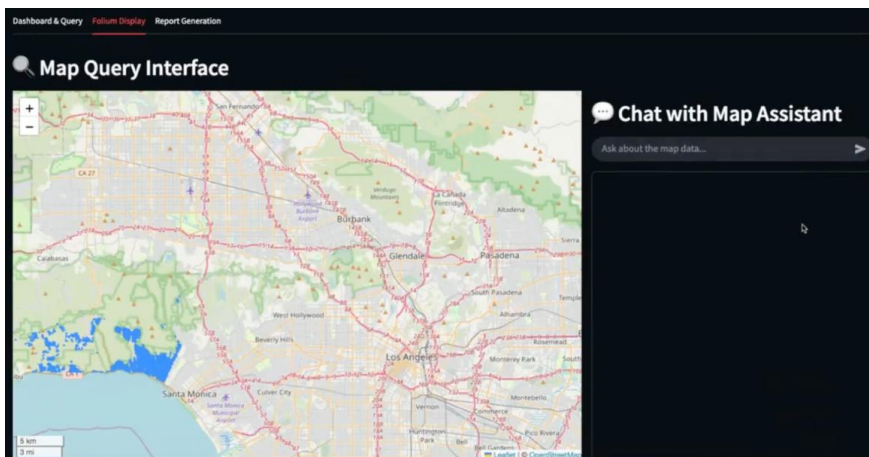
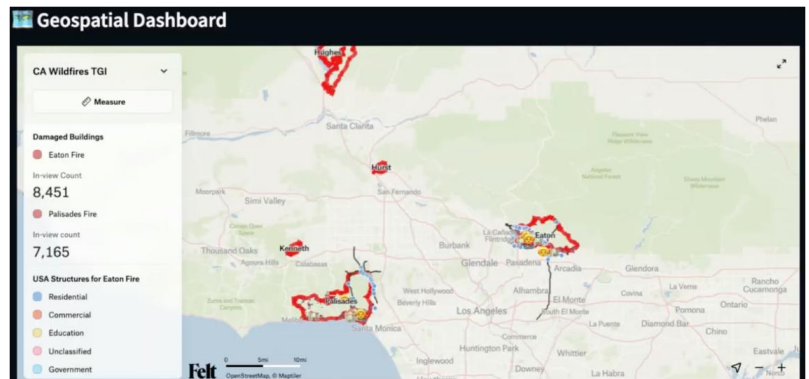


Real-Time Tools for Wildfire Damage Response

A multi-organization team led by Avineon, along with Midgard Raven, Analytic Folk, Bunting Labs, Earth Fire Alliance, and Heavy.ai, is developing a geospatial AI system for wildfire recovery. By combining fire models, remote sensing, and 3D building data, the platform delivers real-time damage assessments to support faster, coordinated response.



Applications

- **Disaster Management:** Guides agencies to assess damage, allocate resources and act quickly after wildfires.
- **Urban Resilience:** Identifies at-risk or damaged structures and safe access zones using AI-enhanced 3D data.
- **Cross-Jurisdiction Planning:** Bridges data gaps between local, regional, and federal responders.

Key Features

- **Unified Geospatial Platform:** Combines diverse data layers for a centralized view of wildfire impact.
- **AI-Driven Prioritization:** Uses advanced models to recommend recovery actions based on damage and accessibility.
- **Scalable and Real-Time:** Built for rapid deployment across jurisdictions with cloud-based processing.

AI-Powered Damage Triage

Uses fire models, remote sensing, and 3D data on AWS SageMaker to deliver real-time assessments of damage and safe access zones.

Coordinated, Cross-Agency Response

Supports faster, unified wildfire recovery by bridging data silos and streamlining situational awareness across jurisdictions.

Team:

Avineon, Inc. (Darryl Murdock, Oliver Morris); **Midgard Raven** (Adam Simmons); **Analytic Folk** (Chul Gwon); **Bunting Labs** (Brendan Ashworth, Michael Egan); **Earth Fire Alliance** (EFA); **Heavy.ai**