



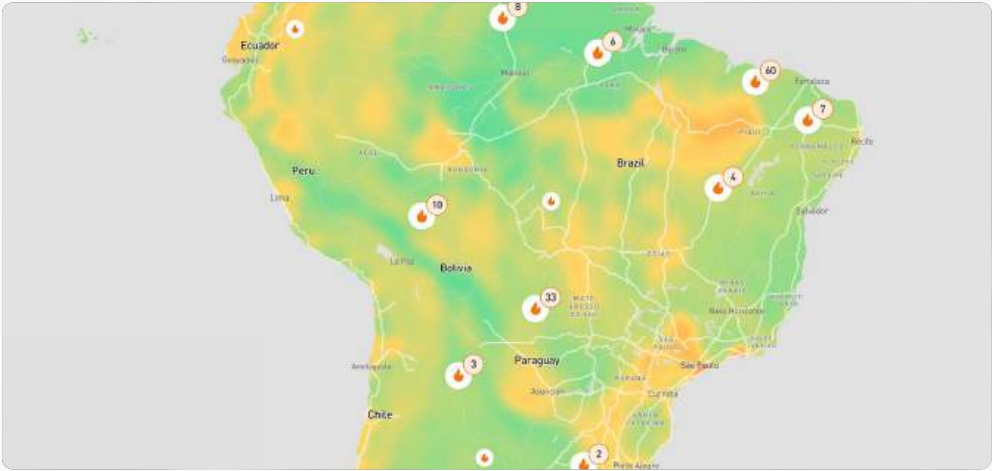
Ambee Wildfire Data

Turning fire risk into actionable foresight



A growing global threat

Wildfires are no longer just seasonal events. They’re fast-moving, year-round events causing billions in damage, displacing communities, and disrupting energy, insurance, and logistics systems. Climate volatility has intensified their frequency and scale, while urban expansion has pushed critical infrastructure into burn zones.



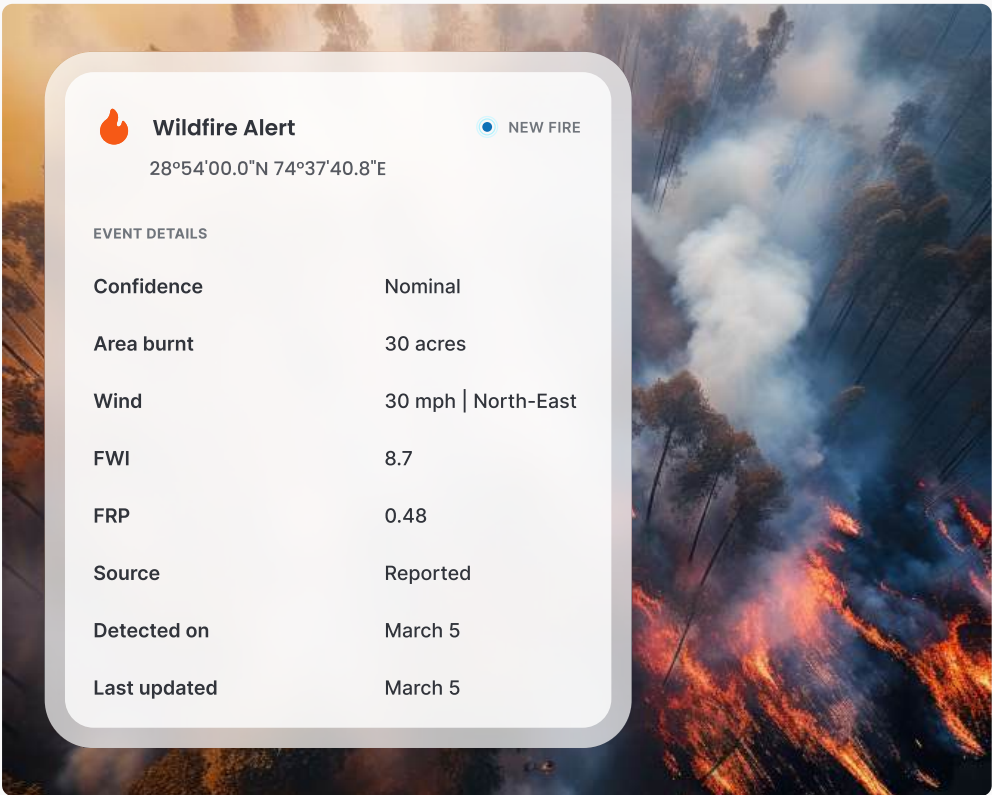
Wildfire smoke can cut daily retail and restaurant sales by up to **18%**, while recent wildfire and El Niño disruptions have altered nearly **75%** of global supply chains.

Operational risk is climbing across sectors. Smoke-driven visibility loss disrupts aviation and road transport, grid infrastructure faces heightened ignition danger, supply chains slow under regional shutdowns, and businesses absorb sustained revenue hits during heavy-smoke days. As climate variability reshapes fire behavior, organizations face escalating insurance costs, asset exposure, and compliance pressures linked to hazard management.

Intelligence that looks forward, not just back

Ambee’s wildfire dataset delivers a full-spectrum view of fire activity: current detections, four-week forward risk forecasts, and more than 30 years of historical fire archives. The dataset combines:

-  Satellite-detected fire events.
-  Reported fires and local incident data.
-  Modeled wildfire risk projections (4-week outlook)
-  FRP, FWI, and fuel conditions.
-  Environmental context like soil moisture, terrain, and weather.



Proven accuracy in real-world risk events

On December 16, 2024, Ambee’s model flagged wildfire risk zones across Southern California. By January 7, 2025, major fires broke out across Los Angeles and San Diego counties, forcing 200,000 evacuations, burning 57,000 acres, and causing 29 deaths.

Post-event analysis showed that 96% of fires occurred within Ambee’s predicted high-risk zones, underscoring the model’s real-world accuracy and value in early risk detection.



Ready for operational use



Current fire detection

Live data from satellite and reported sources, refreshed continuously.



4-week forward forecasting

Model-driven risk maps with daily granularity and regional resolution.



30+ year archive

Historical climatology with FRP, FWI, fuel type, and fire category.



Seamless access

Available via API, Snowflake, Databricks, AWS, and flat files



Unified schema

Consistent formats across detection, risk forecasts, and historical data.

Applications across industries

Insurance & reinsurance

Model exposure, design triggers, and assess post-event impact.

Energy & utilities

Map risk to grid assets and plan shutoffs or maintenance.

Public safety & response

Enable alerts, resource staging, and evacuation readiness.

Logistics & supply chains

Reroute deliveries and reduce disruption during fire events.

Infrastructure & ESG

Incorporate wildfire risk into siting, disclosures, and strategy.

Want to learn more?

Contact us at
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Visit our website
www.getambee.com

Reach out to us



Try the data in our API playground

