



Earth Fire Alliance

Briefing: Progress and a Path Forward for Wildfire Policy

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March 3, 2026



4 out of 5 of the world's most severe years for wildfire events have occurred **since 2020**.

1 in 6 Americans now live in areas of significant wildfire risk.
Technology adoption is not keeping pace with the growing problem.



Earth Fire Alliance

Observe. Serve. Conserve.

A 501c3 nonprofit coalition
dedicated to delivering
transformative data from all
wildfires on Earth.



FireSat

A New Era in Fire Technology

A first-of-its-kind satellite
built specifically with and for
the global wildfire
community.



Radical Collaboration Meets Rapid Action



Radical Collaboration

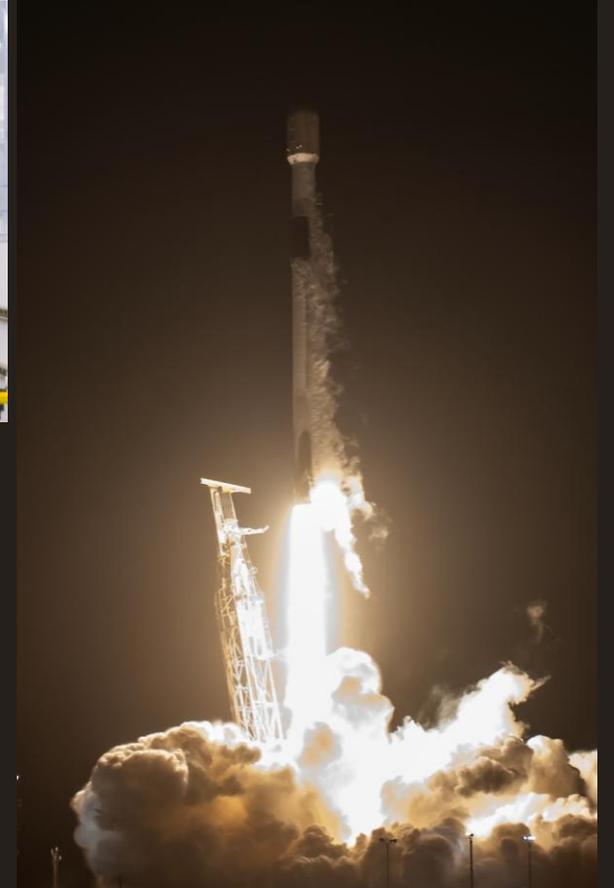
Aligning collective efforts for a common global good.



Rapid Action

Acting today to take advantage of leading-edge technology.





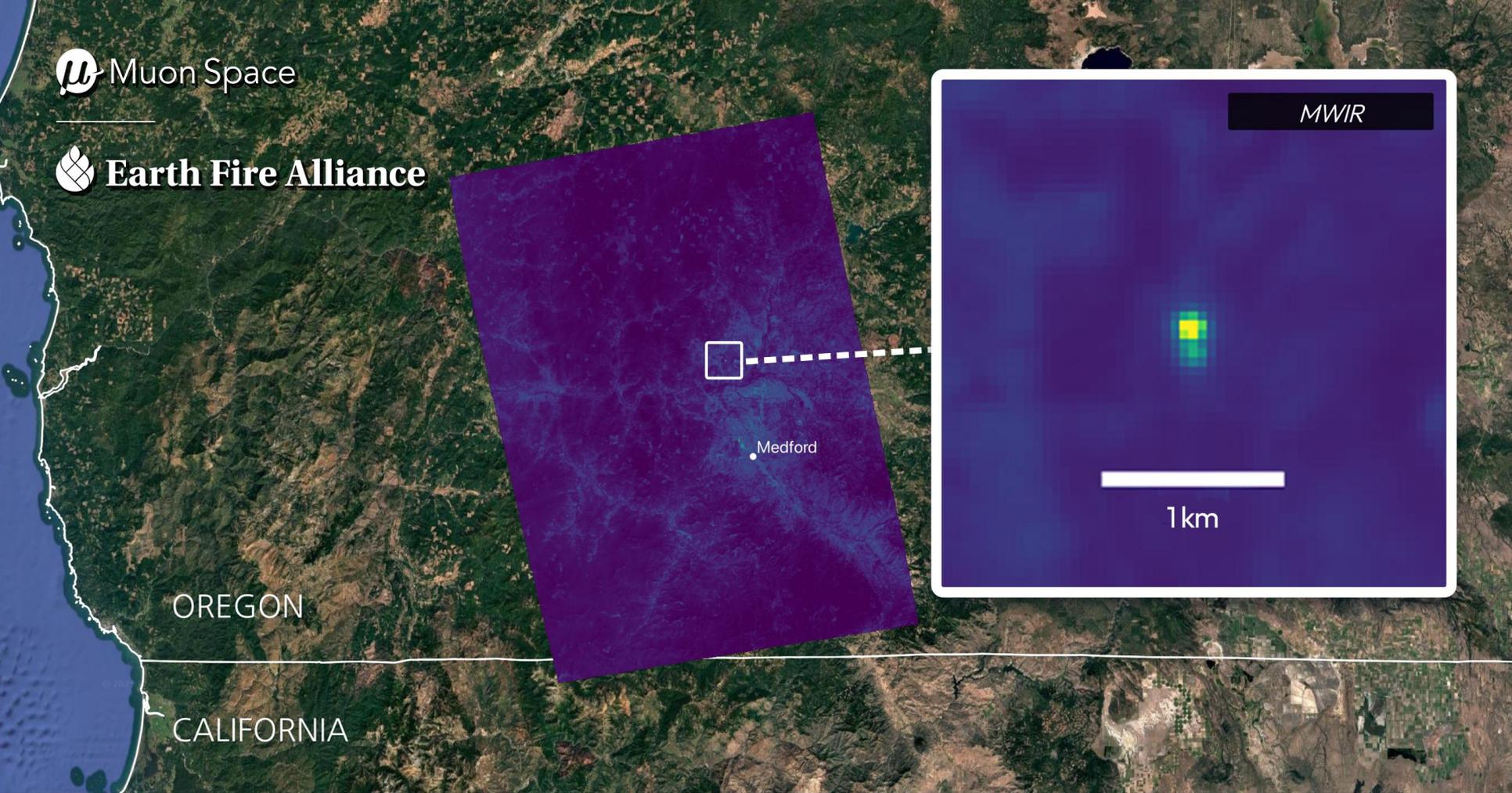


TABLE ROCK, OREGON — JUNE 23, 2025: FireSat detected a small, roadside grass fire undetected by other satellites.

Table Rock Fire, Oregon

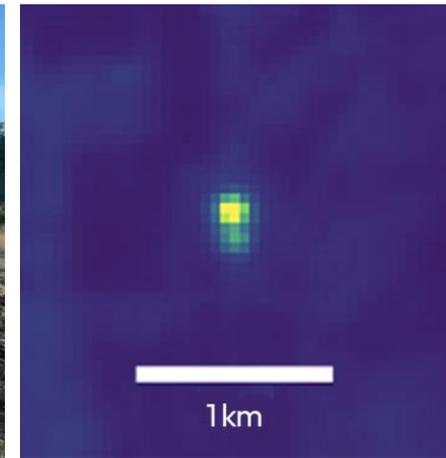
FireSat will augment and integrate with the existing fire tech ecosystem.



Ground-based camera view



Local media photo



FireSat detects active fire front

FireSat Overview

Early Detection

Identifies fires as small as **5x5m**, or about the size of a 1-car garage.

Rapid Data Refresh

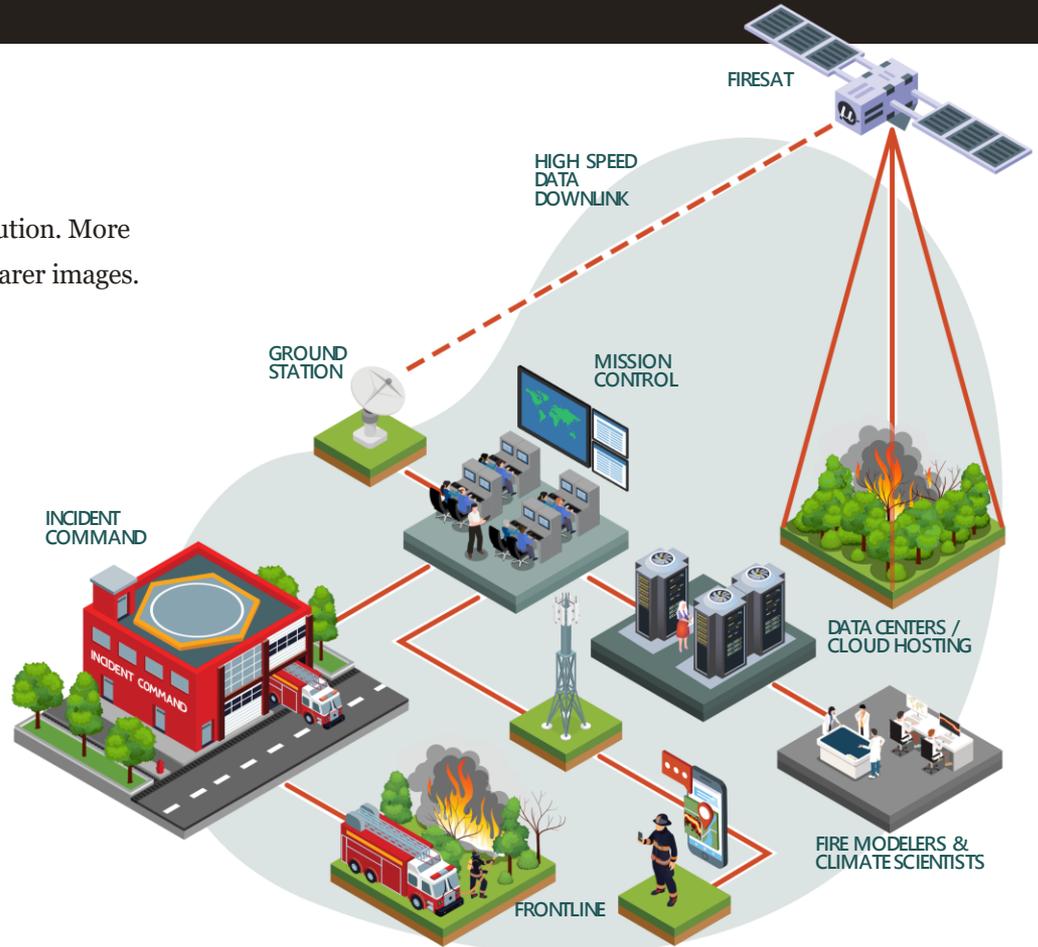
Twice daily revisit in 2026 scaling to global revisit of **20 minutes** or less by 2030.

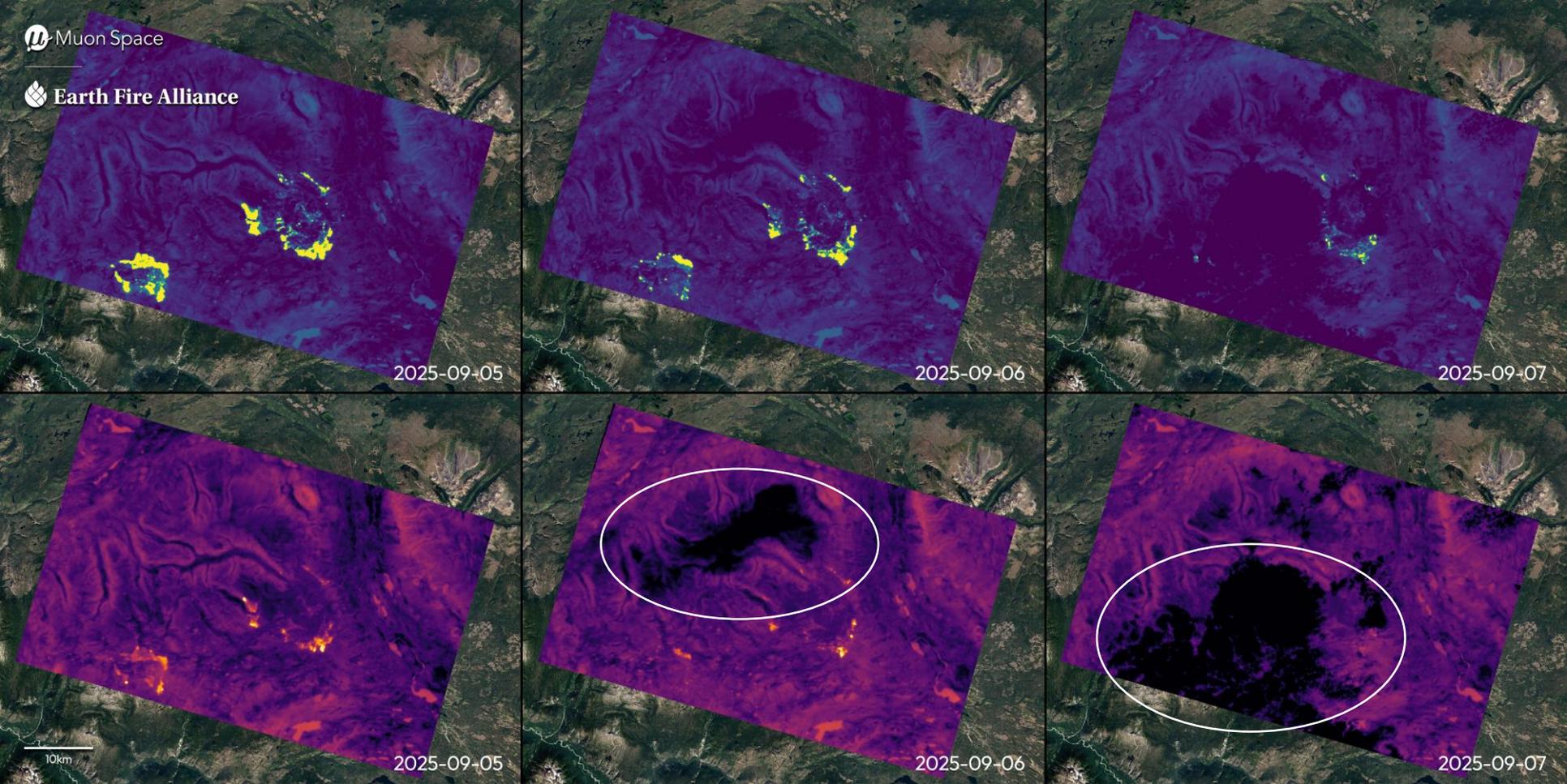
Highly Accurate

A low false positive rate of **<5%** ensures efficient resource allocation.

Detailed Resolution

80m average image resolution. More pixels = more data and clearer images.





BEEF TRAIL CREEK FIRE, BRITISH COLOMBIA — SEPT. 5-7, 2025: FireSat monitored the fire across 3 consecutive nights, showing its progression and significant reduction in intensity.

Petawanga Lake

Active Fire

MWIR

Active Fire

Petawanga Lake

2020 Burn Scar

LWIR

2025 Burn Scar

Petawanga Lake

2020 Burn Scar

False Color
(SWIR/NIR/Red)

5 km

Nipigon 6 Fire

**ONTARIO, CAN —
JUNE 15, 2025:**

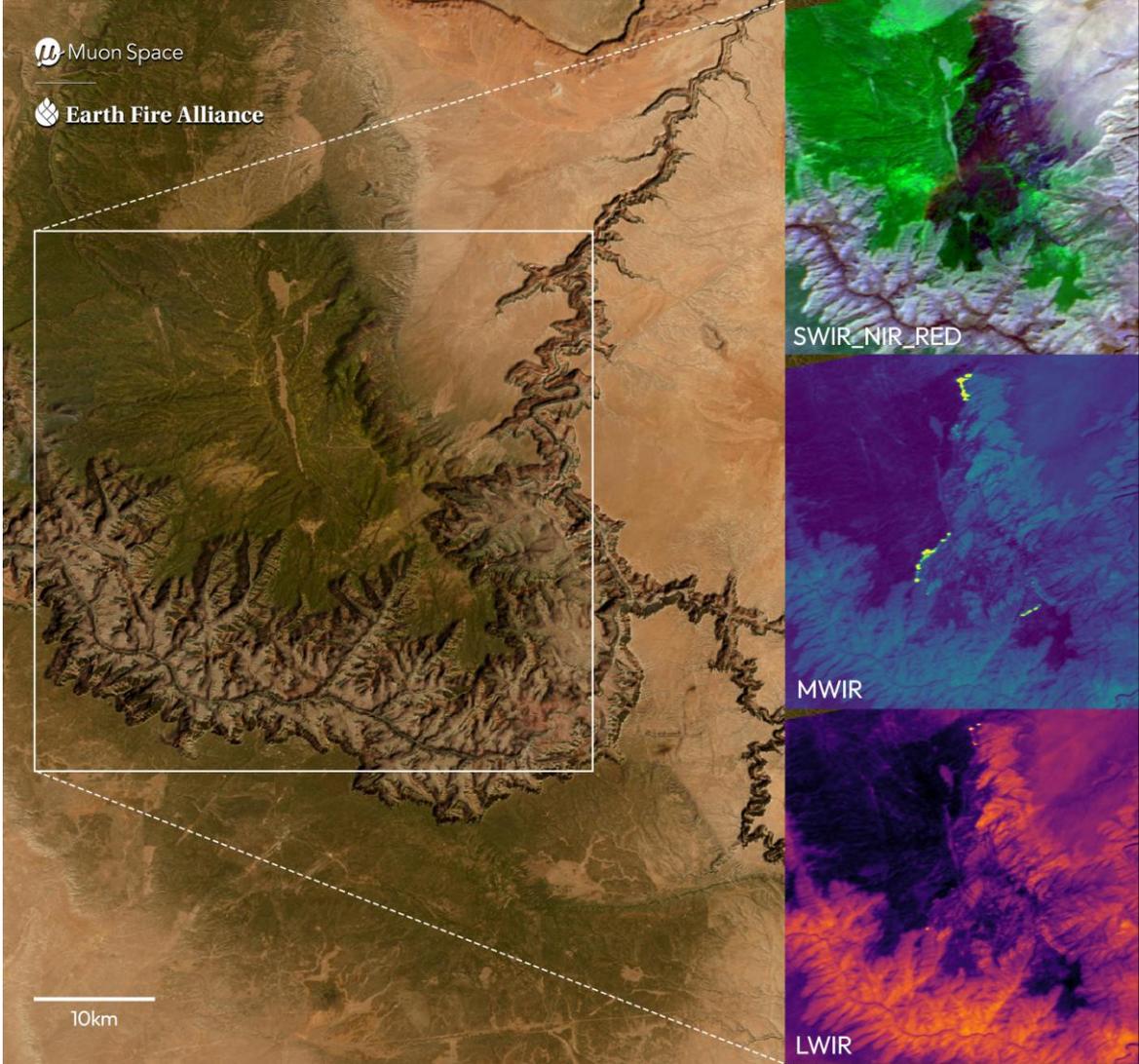
FireSat reveals both active fire fronts, demonstrating the ability to simultaneously monitor multiple wildfire events in remote regions.

Dragon Bravo Fire

GRAND CANYON, ARIZONA —

AUG. 2, 2025:

FireSat delivers complete wildfire intelligence in one integrated view.



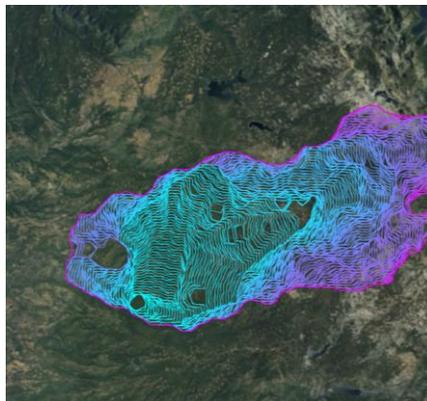


FireSat Data Products

Designed for interoperability with existing systems.



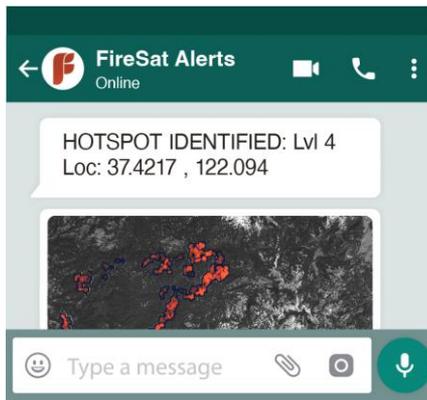
**Fire
Perimeter**



**Fire
Progression**



**Fire
Radiative
Power**



**Hotspot
Identification**



FireSat Roadmap

Alliance begins to convene. EFA officially founded in 2024.

2022 - 2024



Design, Build, Test

Cross-community planning and system requirements definition

Philanthropy supports Initial Operational Capability

2025



1 Satellite Protoflight

Risk reduction and data testing with Early Adopters

2026



3 Satellites Twice Daily Revisit

Coverage and data for key fire geographies

Government funding and data revenue will support Full Operational Capability.

2030



~ 20 Satellites 1 hr Revisit

Unlocks significant impact targets



~ 50 Satellites 20 min Revisit

Global coverage and data distribution



Public-Private-Philanthropic Partnerships

We work with philanthropic, private industry, government, fire agency, and fire science collaborators.

Earth Fire Alliance Supporters



Patrick J McGovern
FOUNDATION



12 Early Adopters from 3 continents





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www.earthfirealliance.org