Earth Fire Alliance

Illuminating the World's Fires

Earth Fire Alliance is a global nonprofit coalition building the technological infrastructure needed to detect, monitor, and understand Earth's wildfires — and delivering critical data to the firefighters and scientists who need it most.

Grounded in radical collaboration and united by the belief that every community deserves to coexist confidently with fire, EFA partners with operational agencies, scientists, and technologists across continents to make fire data globally accessible, actionable, and available for the public good.

PURPOSE

Earth Fire Alliance illuminates the world's fires —delivering the transformative data that first responders, scientists, and communities need to better understand, respond to, and recover from wildfire.

MISSION

Observe our planet's fires comprehensively.

Serve communities worldwide with timely and trustworthy fire information.

Conserve ecosystems, protect lives, and strengthen resilience by making critical fire data globally accessible.

VISION

We envision a future where humanity's relationship with wildfire is guided by knowledge and every community can confidently coexist with fire.

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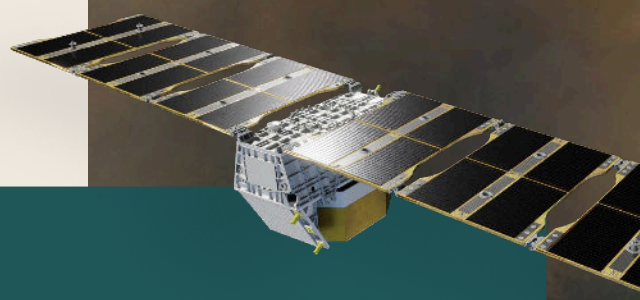
Programs

Our programs form a through line from space to communities on the ground. FireSat generates the global wildfire dataset the world has been missing. FireImpact turns that data into wildfire intelligence, scientific knowledge, and scaled action. FireConnect puts it to work — closing knowledge gaps, bridging regions, and building lasting local resilience.



FireSat
AN EARTH FIRE ALLIANCE PROGRAM

Global Data

EFA's flagship FireSat program is the first satellite constellation designed specifically to transform how the world understands and responds to fire. FireSat will generate an unprecedented, near real-time dataset on wildfire and its effects on the planet and our communities.

Emerging Programs

FireImpact

Local Action

Fire management knowledge and resources are not evenly distributed around the world. FireConnect addresses that gap by activating communities, firefighters, land managers, and researchers globally to connect wildfire data to local action, support beneficial fire, and build solutions shaped by the people and places that need them most.

FireConnect

Long-Term Change

FireSat's global dataset will open a new chapter in how humanity understands fire. FireImpact translates that data and EFA's growing partner network into actionable scientific knowledge — informing fire management strategies that minimize devastating impacts while recognizing and preserving fire's essential role in maintaining healthy ecosystems.

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Built on Public-Private-Philanthropic Partnerships (P4)

The wildfire challenge cannot be solved by any one technology, organization, or nation alone. We unite commercial innovation, end-user co-development, and philanthropic and government investment around a shared goal: collecting and delivering critical wildfire data to every corner of the globe.

What P4 Makes Possible

Rapid Innovation

User-driven solutions and accelerated testing reduce risk.

Resource Maximization

Access new technology without added costs.

Adoption at Scale

Early adoption proves effectiveness and paves the way for broader operational use.

Sustainable Growth

End users provide the authority to expand innovation into lasting programs.

Funders & Mission Enablers

BEZOS EARTH FUND

CAL FIRE

Google.org

GORDON AND BETTY MOORE FOUNDATION

Muon SPACE

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Operating Principles

01

Fast Action

Wildfire doesn't wait — and neither do we. Our mandate for speed means delivering fresh data as quickly as possible.

02

Radical Collaboration

We align collective efforts, technology, and resources within and across sectors for a common global good.

03

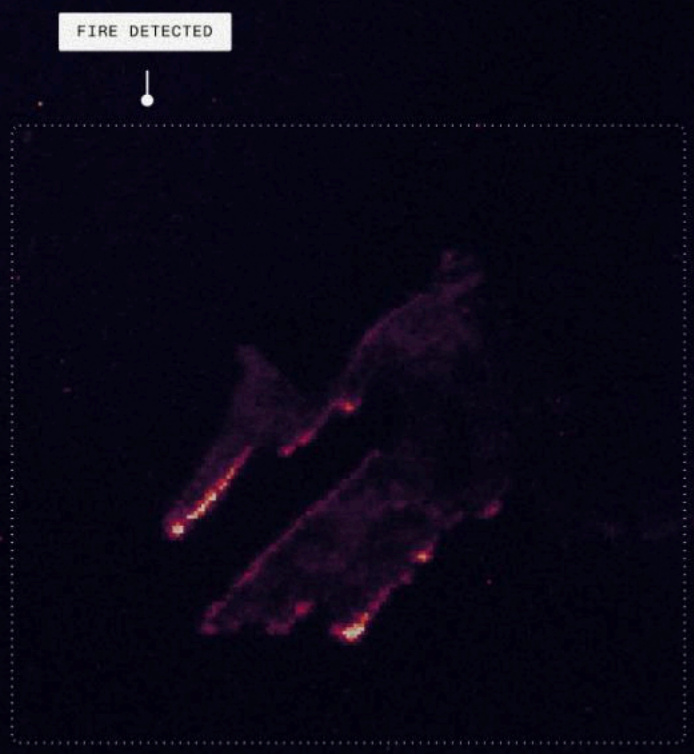
Transformative Fire Data

We believe data from every stage of a wildfire lifecycle is valuable to inform decisions in near real-time, reduce disaster fires, and enable beneficial fire management models.

04

User-Driven Technology

We built the FireSat program to collect the data end users ask for and integrate it seamlessly into their existing tools and workflows.



Questions? Contact Earth Fire Alliance

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