



# Protecting forests, communities, and critical infrastructure

[www.dryad.net](http://www.dryad.net)



## Wildfires Are a Growing Threat – Take Action Before It's Too Late

01

With climate change driving extreme fire conditions and firefighting resources stretched thin, wildfires pose an increasing risk to public lands, communities, and infrastructure. Governments and municipalities must transition from reactive firefighting to proactive prevention to protect lives, reduce costs, and enhance climate resilience.

## A Critical Opportunity for the Public Sector

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Public agencies have the power to shift from costly suppression efforts to cutting-edge wildfire prevention. By deploying AI-driven early detection technology, municipalities can:

- Prevent Catastrophic Losses – Stop wildfires before they spread, reducing economic damages and emergency response costs.
- Enhance Public Safety – Protect citizens, reduce evacuations, and safeguard critical infrastructure.
- Lead in Climate Resilience – Support sustainability goals by minimizing wildfire-related carbon emissions.

## Silvanet: The future of wildfire prevention

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Silvanet is the world's most advanced ultra-early wildfire detection system. It uses AI-powered, solar-driven sensors to autonomously detect fires within minutes—not hours.



### Detect Fires at the Smoldering Stage

Enabling rapid response and reducing suppression costs.



### Strengthen Disaster Preparedness

Reduce strain on firefighting resources and enhance emergency response.



### Support Environmental & Sustainability Goals

Minimize CO<sub>2</sub> emissions from wildfires.

## Proven Success: Early Fire Detection in Lebanon

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In Lebanon, Silvanet sensors detected an unauthorised wildfire in a remote forested area before it escalated. Local authorities responded swiftly, preventing widespread damage and significantly reducing suppression costs. This deployment demonstrated how municipalities can integrate IoT-driven early fire detection to enhance public safety and wildfire resilience.

## Proven Success: Early Fire Detection in Santu Lussurgiu, Italy

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In April 2024, the MEDSEA Foundation, in collaboration with Vodafone Business and Extreme E, deployed Silvanet sensors in the fire-prone forests of Santu Lussurgiu, Sardinia—one of the regions most affected by the devastating 2021 wildfires.

Twenty advanced sensors were installed across several hectares, creating a real-time fire monitoring system capable of detecting heat, humidity, gas, and temperature fluctuations. In a live fire simulation, the system successfully detected the fire within minutes, triggering alerts that enabled an immediate response.

## How Silvanet Supports Your Wildfire Strategy

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Every region has unique wildfire challenges. Dryad works directly with municipalities and public agencies to:



**Assess high-risk areas and optimize sensor deployment.**



**Integrate early detection with existing emergency response systems.**



**Provide data-driven insights for long-term wildfire resilience planning.**

# Join the movement – Strengthen wildfire resilience today

Want to see how Silvanet can protect your region? We offer pilot programs and expert consultation. Contact us today to discuss your wildfire prevention strategy.



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**URGENT FIRE ALERT!**



Contact us today to learn more



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