ICEYE

Wildfire Insights

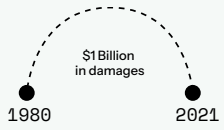
Near real-time situational awareness for wildfires

Addressing a critical national safety challenge

There is no doubt that climate change is impacting the frequency and severity of wildfires worldwide. However, modeling wildfire risk and gaining visibility into impacted areas immediately after a fire both remain challenging.

Environmental factors like air temperature and humidity, combined with the unpredictability of human actions and dense smoke, often hinder visual assessments and complicate wildfire analysis.

Climate change is increasing the occurrence of wildfires globally



Between 1980 and 2021, the US alone had 20 catastrophic wildfires (16 of them happened in the past 2 decades), that caused more than $1 billion in damage each

99 million people, or one-third of the US population are at risk, living in the Wildland Urban Interface (WUI)

ICEYE WILDFIRE INSIGHTS

Precise
Building-level impact data

Consistent
Acquire data regardless of weather, light and smoke conditions

Reliable
Able to capture every wildfire catastrophe in the US

Timely
Delivers data every 24 hours during a given wildfire event

What if you could understand wildfire damage within hours instead of days?

Owning the world's largest synthetic-aperture radar (SAR) constellation, ICEYE combines earth observation insights from space with advanced data analytics and machine learning. As a result, for the first time in history, we can provide accurate and immediate, building-level insights into the situation on the ground.

Enhance your response and recovery efforts with ICEYE

Until now, governments have faced significant challenges in rapidly assessing the extent of wildfire damage for response and recovery purposes. Traditional methods can be labor intensive and still may not provide the timely, detailed information necessary due to dangerous ground and air conditions. ICEYE is transforming this process with our groundbreaking Wildfire Insights, delivering near real-time extent and building-level impact data, that enables more accurate and expedient decision-making during wildfire emergencies without risking the safety of responders.

→ With ICEYE's radar technology, you can **take out the guesswork** of looking at news reports and aerial imagery, and reduce the stress on your team who is working under extreme time pressure. This empowers rapid and efficient responses to wildfire events. The result? Better resource management and enhanced safety for affected communities.

→ ICEYE's Wildfire building damage assessment product delivers the **output in a vector format** (either latitude, longitude points or building footprints) with a binary classification of structural damage ('destroyed'/'undamaged') per location, within 24 hours.

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For more information, visit iceye.com/gov

✓ **Improve situational awareness**

✓ **Enhance disaster response**

✓ **Accelerate recovery efforts**