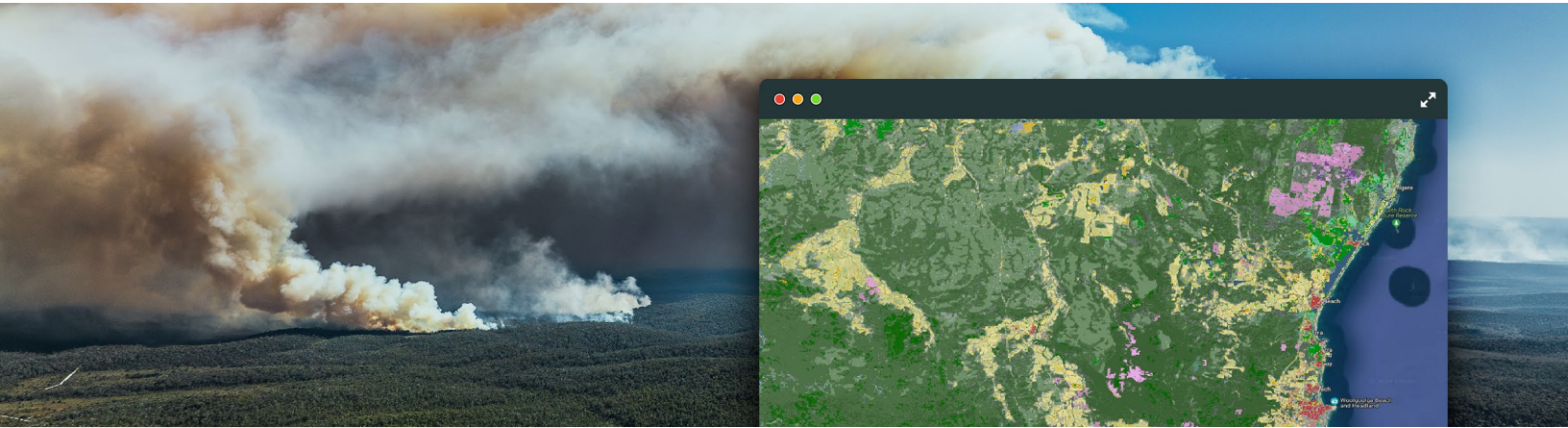# Wildfire Data as a Service (DaaS)

Wildfire fuel data layers include:

- Individual Fuel ID's/types sub-classified by height, cover class, and drought state as a custom GeoTIFF file

- Fuel definition XML for all parameters required to define fuel load based on Olsen's re-accumulation method and wind reduction factor

- Additional fuel definition XML with parameters to support Rothermel and other fire behavior systems.

- On request: Intermediate GeoTIFF's showing structural classes, drought states, and base fuel types

Ready to boost the quality of your fire behavior estimation?

Reach out to us today at **info@aem.eco** to explore how our Wildfire Data as a Service can help you make significant improvements in fire behavior estimation and data management.

High-resolution wildfire fuel data anywhere on the planet

In an era where wildfires are growing in both frequency and intensity, accurate prediction and analysis of spread and fire risk are more critical than ever. Effective wildfire forecasting relies on precise weather, fuel, and terrain data, yet traditional fuel data often falls short, missing the detail and timeliness essential for accurate predictions. AEM's Wildfire DaaS delivers dynamic, high-resolution fuel data to improve wildfire prediction anywhere in the world. Leveraging advanced remote sensing and AI technologies, we deliver comprehensive fuel data that seamlessly integrates with existing fire behavior systems, simulators, and datasets. This allows users to fine-tune fuel parameters using local insights and field knowledge, ensuring that mapped fuel data aligns with real-world conditions.

30meter resolution	**10-day updates**	**150+ fuel types**

Benefits

- Rapidly create and access advanced wildfire fuel data layers anywhere on the planet.

- Save time and enhance fire behavior prediction quality with the best available dynamic fuel data.

- Download data in your preferred geospatial projection and format for seamless integration in applications.

- Strengthen your static grid fire behavior calculations and spread simulators with consistent and organized fuel and landscape data.

- Use AEMs fuel parameters or your own field work and local knowledge to define locally relevant fuel conditions.

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