Wildfire Detection Enhancements
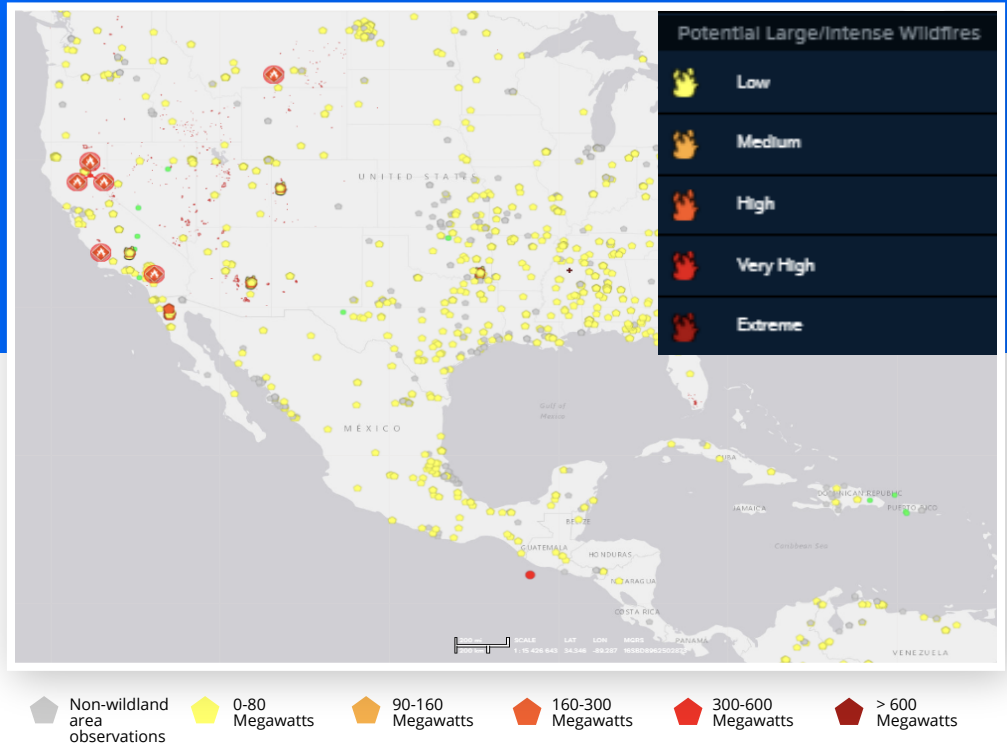
PDC | GLOBAL   Released 8/04/2020

Automated wildfire detection technology has been enhanced in DisasterAWARE for fires occurring around the globe.

Improvements make wildfire detection more efficient, consistent, and accurate and are designed to facilitate more timely response.

Global Coverage

- Identify hazards worldwide using a tested and consistent global approach.
- Identify hazards early for improved response and situational awareness.
- Receive more frequent updates about ongoing hazards.

SAMPLE WILDFIRE MAP LAYERS

Potential Large/Intense Wildfires
- Low
- Medium
- High
- Very High
- Extreme

Non-wildland area observations | 0-80 Megawatts | 90-160 Megawatts | 160-300 Megawatts | 300-600 Megawatts | > 600 Megawatts

GRASSLAND FIRES

Because grassland fires move faster, burn faster, and don't burn as hot as woodland fires, a new methodology was developed to identify grassland areas around the globe and to leverage more frequent satellite scans at lower temperature thresholds.

URBAN WILDFIRES

Because wildfires near or within cities are harder to detect due to their relatively small size, a new methodology was created to identify wildland urban interface zones and to detect fires in close proximity to urban areas which may present potentially serious hazards to populations.

INDUSTRIAL HEAT & GAS FLARES

Because industrial sites—in particular oil refineries—produce gas flares and false positives for wildfire detection, a new methodology was created to leverage industry and PDC-created data sets to identify and mask industrial gas sites to prevent false alarms.

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ABOUT DISASTERAWARE

DisasterAWARE is an industry-leading disaster risk intelligence platform that provides early warning and decision support for thousands of governmental and nongovernmental organizations around the world. It's also offered to the business community for enterprise disaster risk management.

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