

HAQAST Utah 2023

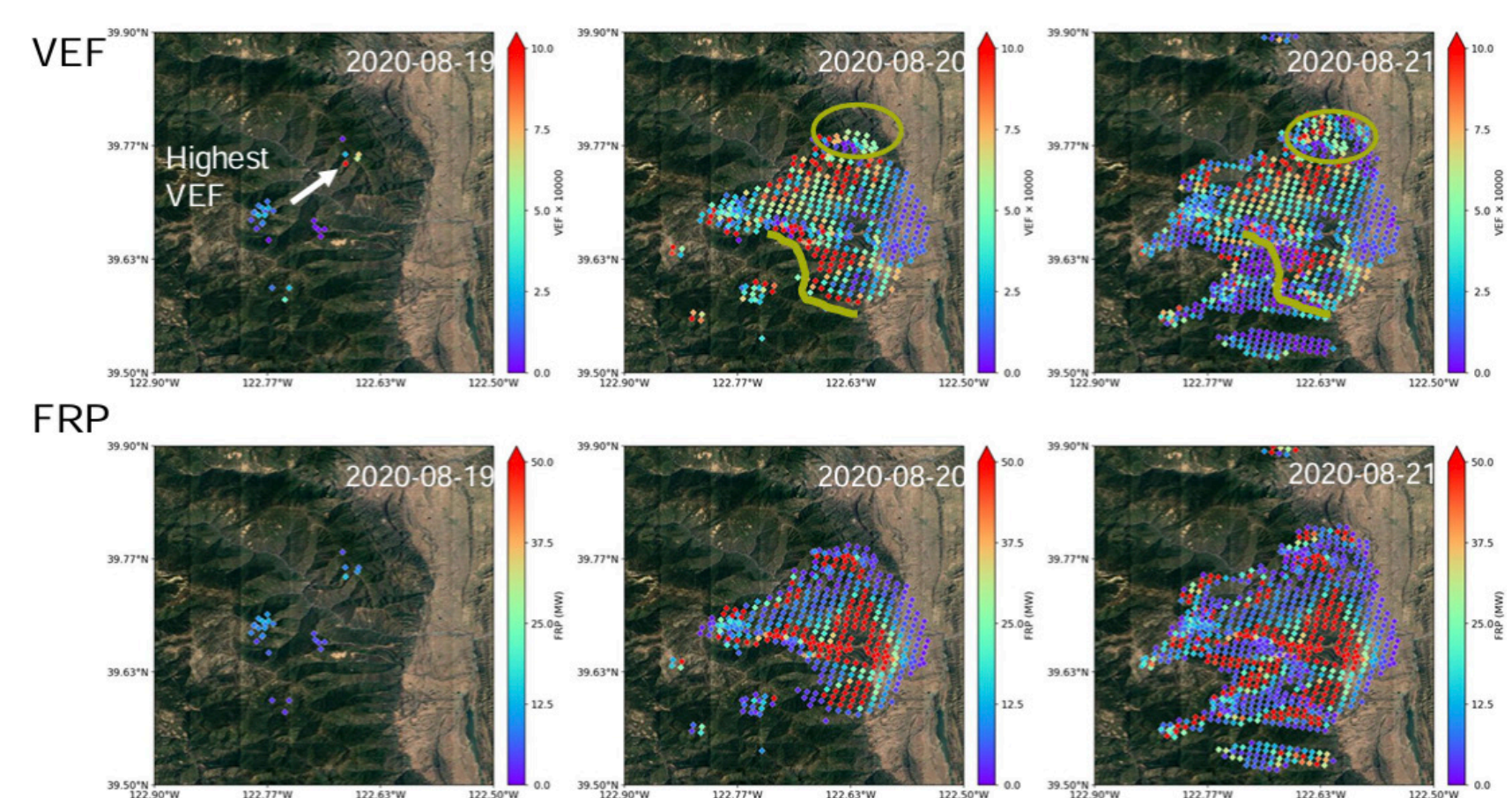
Focus on the West



- HAQAST Utah featured a series of talks called “Focus on the West,” highlighting air quality issues specific to the regions, such as wildland fires and dust.
- Meeting highlights: TEMPO, ground-level ozone, fires, dust, and heat, the health impacts of air pollution

Supporting Wildfire Management and Response

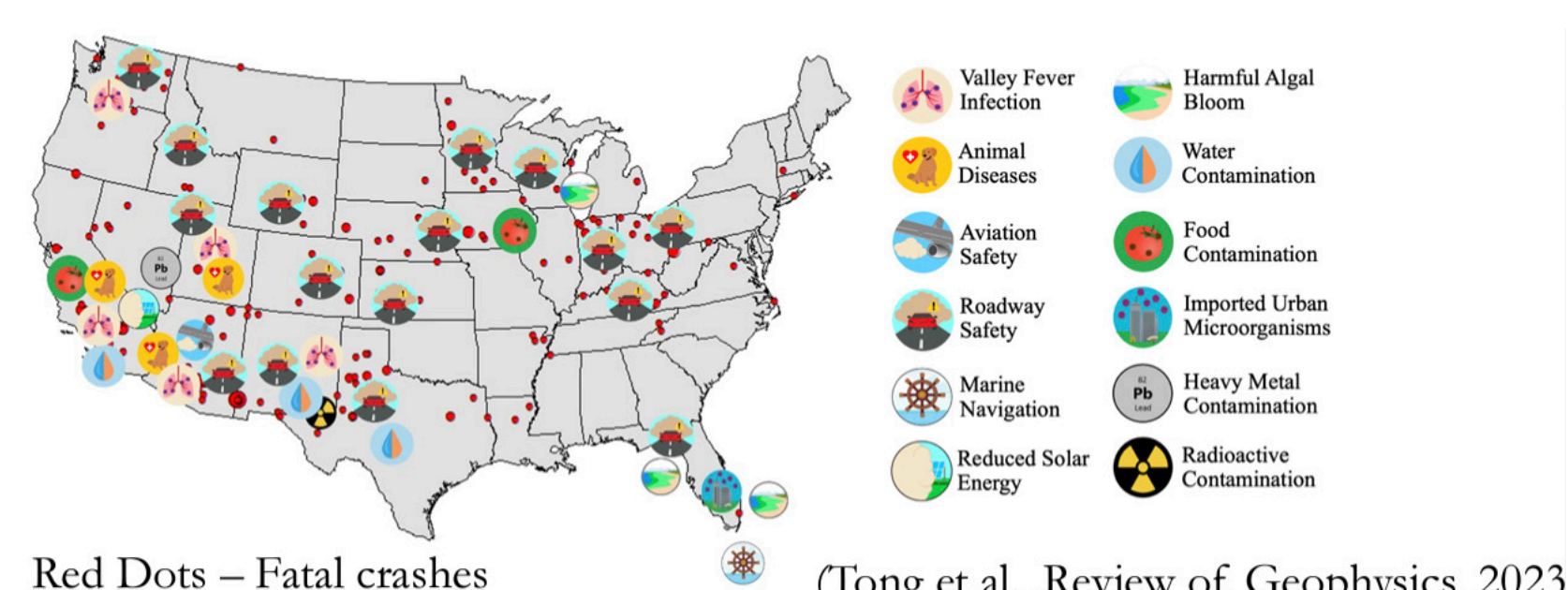
- HAQAST Member Amber Soja discussed key takeaways from the September 2023 Wildland Fire Commission Report, such as informed, proactive decision-making and maintaining access to prescribed and cultural burning.
- In a talk focused on fire and smoke events, HAQAST Collaborator Jun Wang shared how new satellite data can improve air quality models during these events.



VEF, which uses satellite data to measure visible energy from active fires, can better predict fire growth than FRP, which measures the amount of heat released by a fire. Satellite image by Jun Wang.

Characterizing Dust Exposure and Impacts

- HAQAST Member Daniel Tong discussed the human health and economic impacts of dust in the U.S. and shares how satellite-derived data can help predict hazardous conditions.



Red Dots – Fatal crashes caused by dust storms

(Tong et al., Review of Geophysics, 2023)

Dust impacts many aspects of health and safety across the country, including food/water contamination, roadway safety, and more – especially in the American West. Graphic by Daniel Tong.

Learn more about the meeting:

