

Tracking Arctic wildfires from Summit

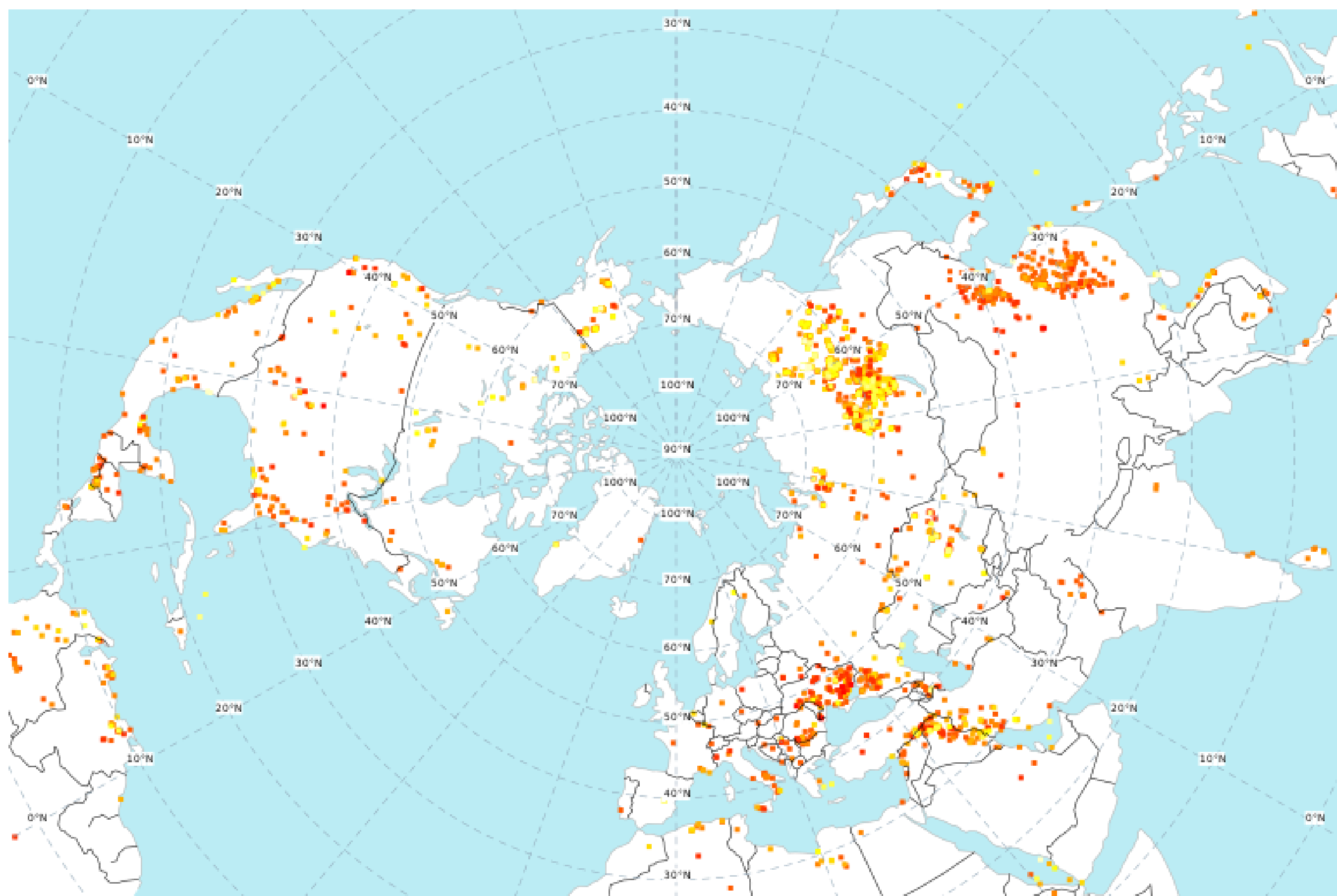
There has been an unprecedented increase in tundra wildfire occurrences in recent years, setting a new all-time record in summer 2019.

I focus on the study of Arctic wildfires through continuous observations of atmospheric fire tracers at the Greenland Environmental Observatory at Summit (GEOSummit).

Observations will be used to evaluate the Arctic wildfire emissions in the global Fire Inventory (FINN) from NCAR. They will also be applied in modeling research to simulate Arctic wildfires, and to assess climate-change induced increases in wildfires and their feedbacks on the Arctic environment.



Summit station on the Greenland ice sheet



Fire radiative power [W/m^2] on July 31st, 2019.

Data provided by CAMS, the Copernicus Atmosphere Monitoring Service.

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