

Forest Health Research Program Grantee Webinar:

Using landscape-scale passive acoustic monitoring to inform forest management across California's Sierra Nevada

Kristin Brunk, PhD, Cornell Lab of Ornithology



Wednesday, July 26, 2023

3:00 pm – 4:00 pm

[Register here](#)

Abstract: Wildfire is expected to become more frequent, bigger, and hotter in the future, and managers in the western dry forests of North America face increasingly critical and time-sensitive tradeoffs when planning forest restoration activities. In this webinar, I will share some of our ongoing FHRP-funded work using passive acoustic monitoring across ~ 22,000 km² of California's Sierra Nevada to map avian distributions, understand habitat associations at broad spatial scales, and ultimately provide managers with the information they need to balance the short-term and long-term tradeoffs of forest restoration in the context of changing climate and disturbance regimes.



Kristin Brunk is a postdoctoral fellow at the K. Lisa Yang Center for Conservation Bioacoustics in the Cornell Lab of Ornithology. Her current projects bring together landscape-scale bioacoustic data and remotely-sensed habitat metrics to understand avian species distributions and habitat associations. More broadly, Kristin is passionate about applied research with direct relevance to biodiversity conservation, especially in systems experiencing rapid anthropogenic change.

The Forest Health Research Program is part of [California Climate Investments](#), a statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment — particularly in disadvantaged communities.

