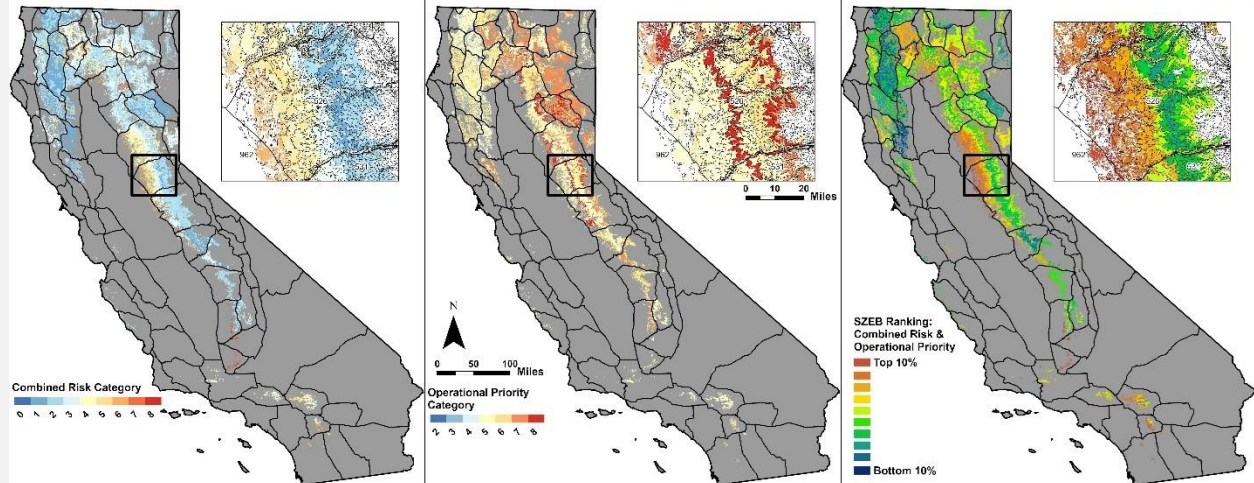Forest Health Research Program Grantee Webinar:

Linking risk of climate change and wildfire to tree nursery inventories to guide cone crop surveys

Jim Thorne, PhD, University of California, Davis

Thursday, March 21, 2024
Presentation: 2:00 pm - 2:35 pm
Q + A: 2:35 pm - 2:50 pm
Register here

Abstract: Reforestation nurseries involve complex activities to collect, accession, and store seed; process orders and select seed lots; and grow and distribute appropriate seedlings for field operations. These processes are challenged by climate change and wildfires. We digitized the LA Moran Reforestation Center's seed inventory and combined it with climate change projections and risk of high-intensity wildfire for the seed zone elevation bands that make up its legacy records. Here we present an overview of the database and show how it can be used in a GIS to target high-priority/high-risk species-specific cone crop surveys.

Jim Thorne, PhD, is a landscape ecologist at UC Davis interested in operationalizing climate change adaptations. He focuses on developing data, linking trends to projections, and synthesizing multiple data types. Postdocs Jessie Godfrey, Joe Stewart, Clancy McConnel; and persons extraordinary Ryan Boynton, Kristen Shapiro, and Jessica Wright contributed.

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.