

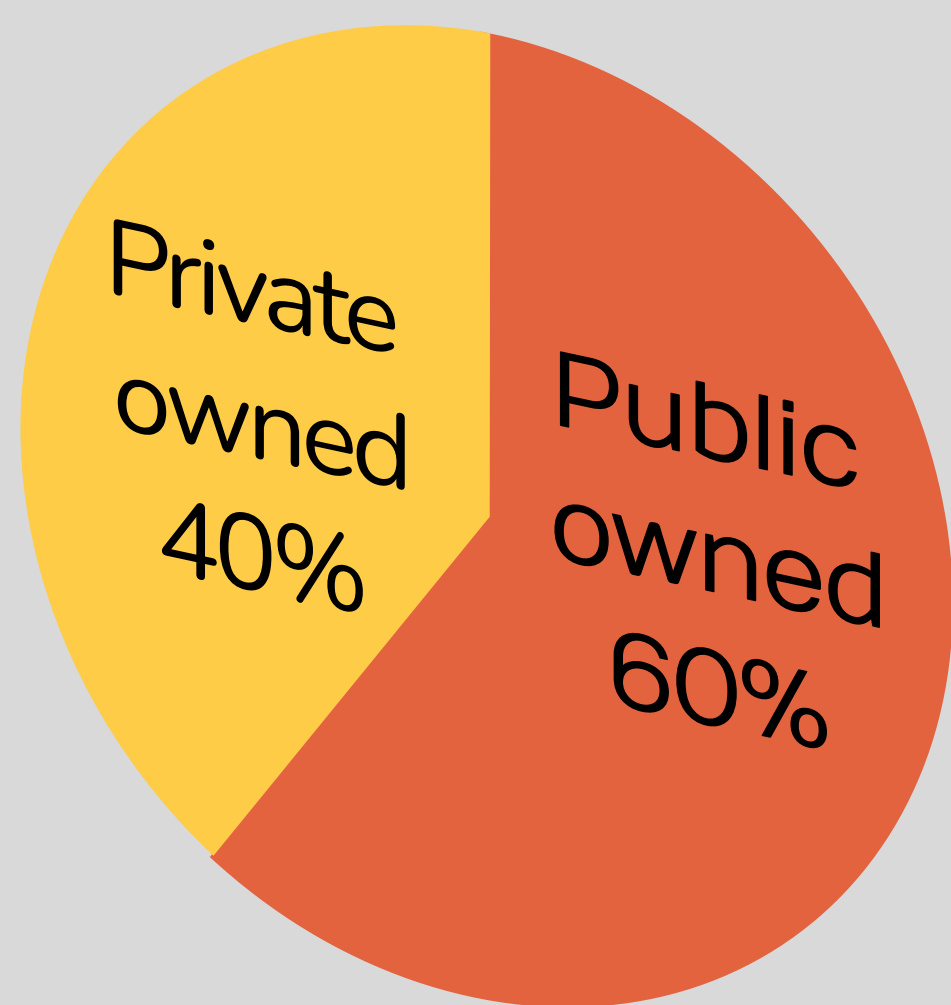
SPARx

Wildfire Dashboard

OVERVIEW

SPARx calculates **the burn window** for prescribed burns and visualizes the wildfire trends of California by using meteorological and wildfire data from 1979 to today.

MARKET SIZE

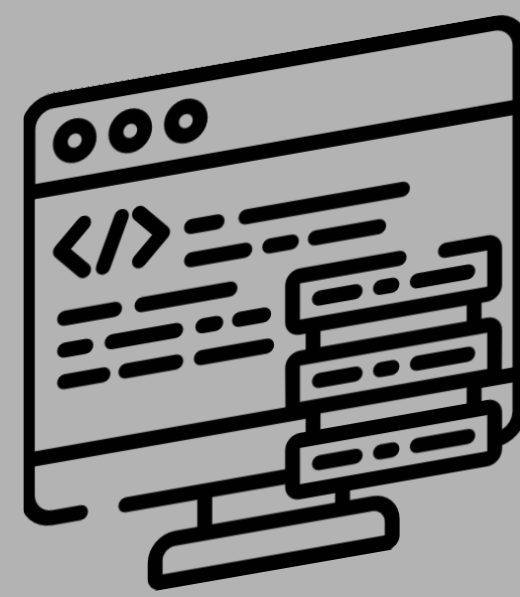


33M acres of
forested land in
California

TARGET AUDIENCE



FEATURES



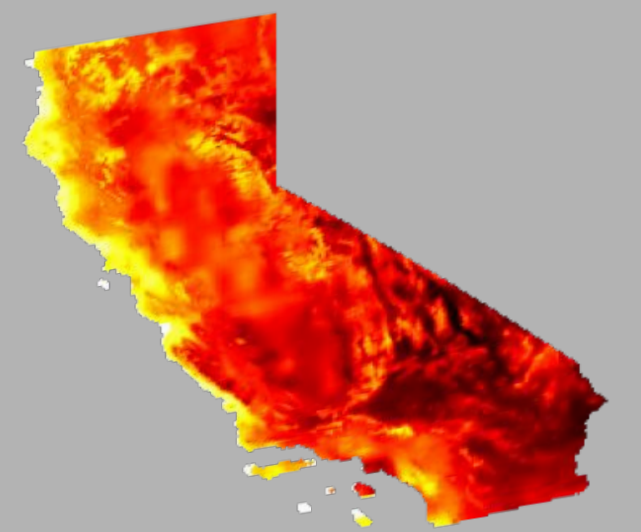
Calculate

burn window days by set of
conditions being met:
wind, humidity, temperature

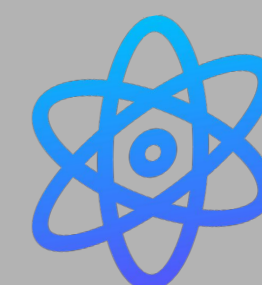


Visualize

calculated information in
simple layers and California
wildfires.



STACK



TEAM



Tiffany Mejia



Jungeun Hong



Joshua Tucker



Vishakha Mulik



BACKGROUND

Wildfire in California

California stands at the forefront of wildfire occurrence in the United States. In 2021, the state witnessed over **2 million acres consumed** by flames, resulting in the devastation of approximately **3000 structures**, claiming the lives of **300 individuals** and emitting **85 Million Tons of CO2**.

Solution for Wildfire

We can prevent future wildfires by **implementing prescribed fires**. These fires allows the land promote plant growth and remove the hazardous debris that fuels wildfires. However, there are some challenges with implementing prescribed fires in California: **expenditure and conditions being met**.