

Do fuel-reduction treatments in managed forests affect native bee communities?



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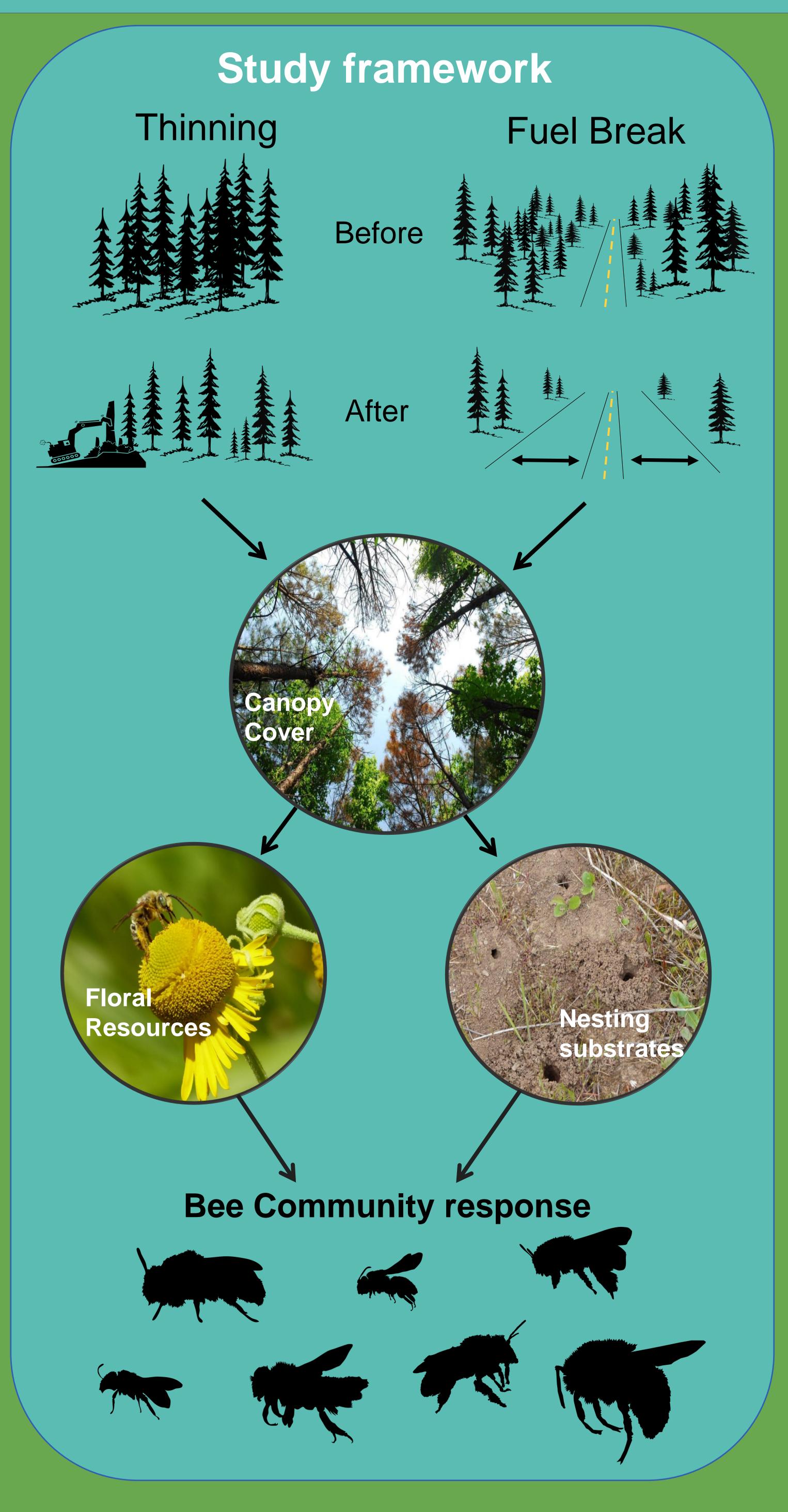
Background

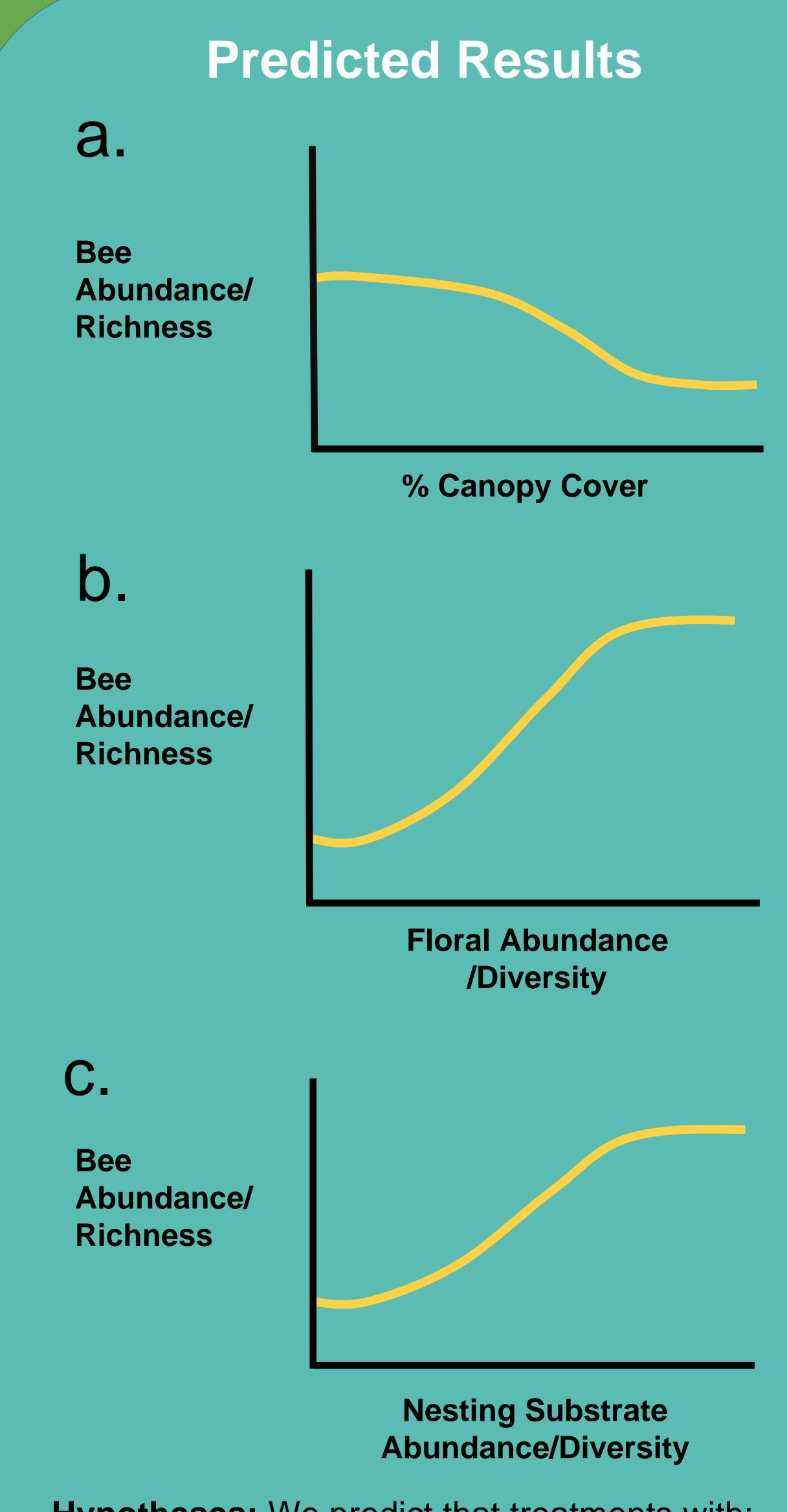
- Native bees are vital to food security and biodiversity. Many species are in decline due to a range of threats.
- Severe wildfires have increased in the western U.S. over the past several decades.
- Fuel reduction techniques are used to lessen the effects of wildfire and mitigate timber loss.
- The effect of fuel reduction treatments on bees and factors affecting bees is unknown.
- Importance: As large fires become more frequent and fuel reduction treatments expand, this work will provide a framework for land managers to consider native bee communities in future fuel management decisions.

Methods

- Summer of 2023 and 2024
- Sampling of bee communities, floral and resources (3 rounds per year)







Hypotheses: We predict that treatments with:

- a. Less canopy cover
- b. More floral resources
- c. More nesting resources

will increase native bee abundance and diversity.

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