

Agenda

- Introductions
- The brief
- Planscape
- Next steps
- Questions

The Planscape Co-operative













Introductions

Nick Povak USFS



Carrie Levine Planscape



Rob Lawson Planscape



Taro Pusina Planscape



Jason Moghaddas Planscape



Shane Romsos Planscape





UMRWA Brief

Sept/Oct 2023: Decide on technical and planning partner

February 2024: Up and running. Informing priorities for on the

ground surveys

Late 2024: NEPA completion

Stanislaus and El Dorado

Evaluating LandTender, Planscape, possibly a third Planning tool + associated services

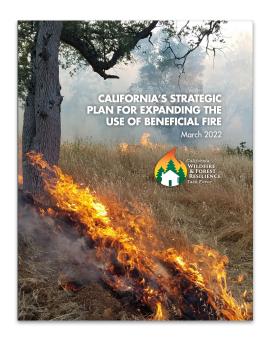


The Challenge

Increase the Pace & Scale of Restoration:

- 10 yr wildfire crisis strategy
- 1M acres annually by 2025
- Enable collaboration





User Feedback









Making decisions based on a single factor is not enough and we need

to figure out how to view the

landscape holistically.





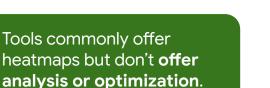


I want to be able to collaborate with my stakeholders and get their buy-in.

I want to see up-to-date project data from across agencies so I don't duplicate efforts.



Local knowledge is very important but tools can help fill in the gaps.





When it comes to evaluating projects, we lack data that helps evaluate things like "ecosystem impact" objectively.





Planscape is a <u>decision support tool</u> that empowers <u>regional</u> <u>planners</u> to <u>prioritize resilience treatments</u> across the landscape and <u>inform the funding</u> process.



State Level Planner Statewide

Prioritize regions for treatment (where) throughout the state.



Regional Resource Manager

Prioritize local treatments (where) throughout a region.



Forest Unit Resource Manager

Both prioritize unit and local areas for treatment (**where**) and identify treatment (**how**).



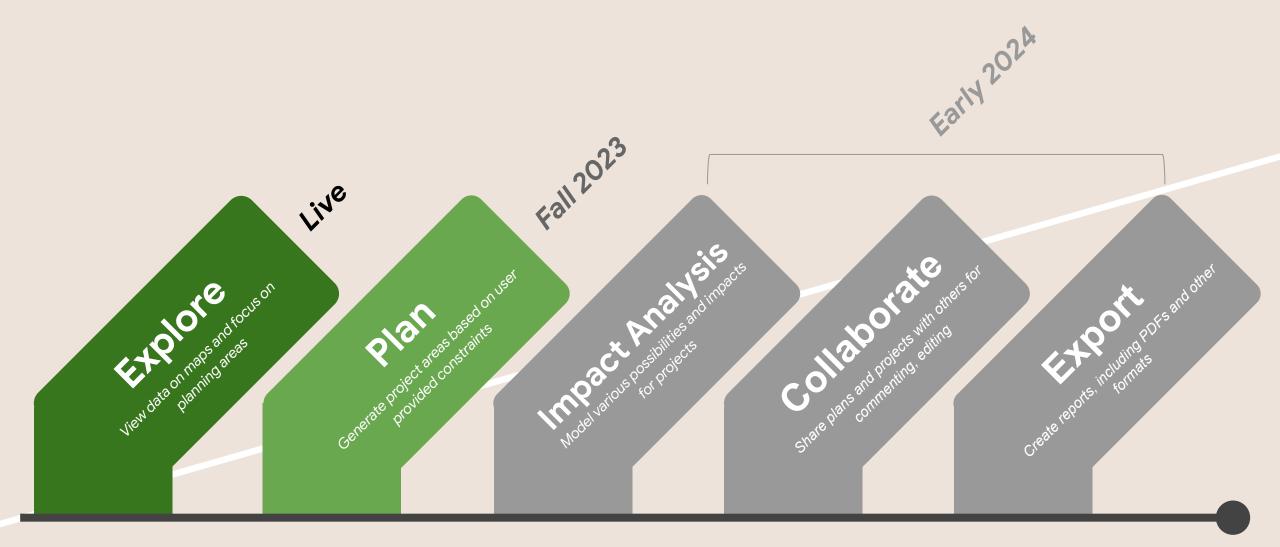
Local Resource Manager

Prioritize local areas for treatment (where?) and identify treatment (how).



More strategic Mix of both More tactical

Five User Journeys & Timelines



10 Pillars of Resilience

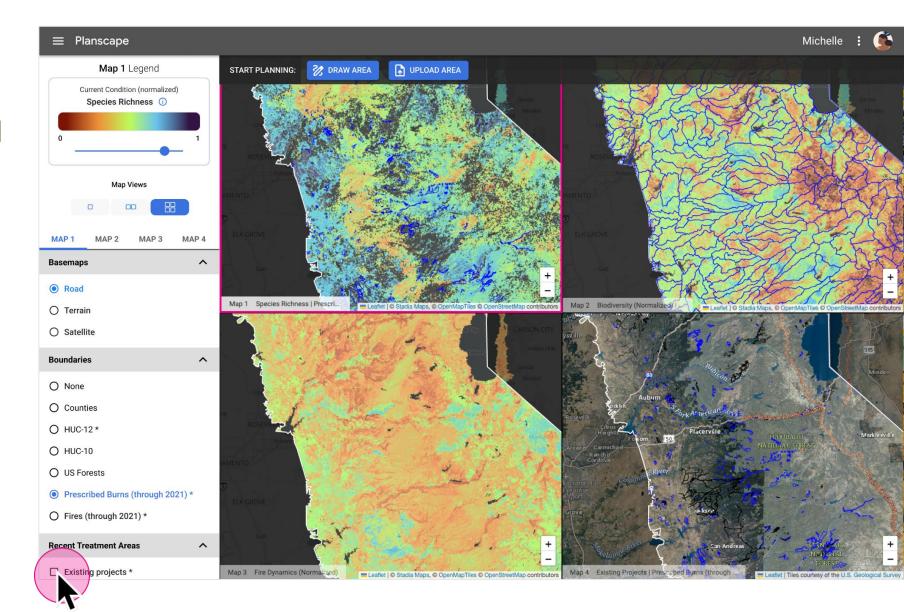




View the best available data & science in one tool

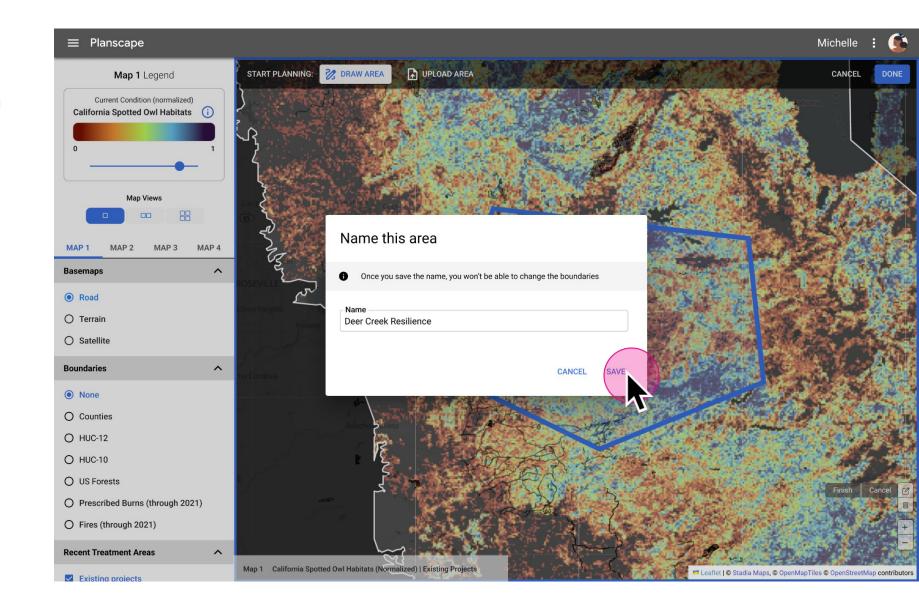
Visualize different data layers on maps side-by-side

Boundaries, existing projects, raw and normalized condition scores are available

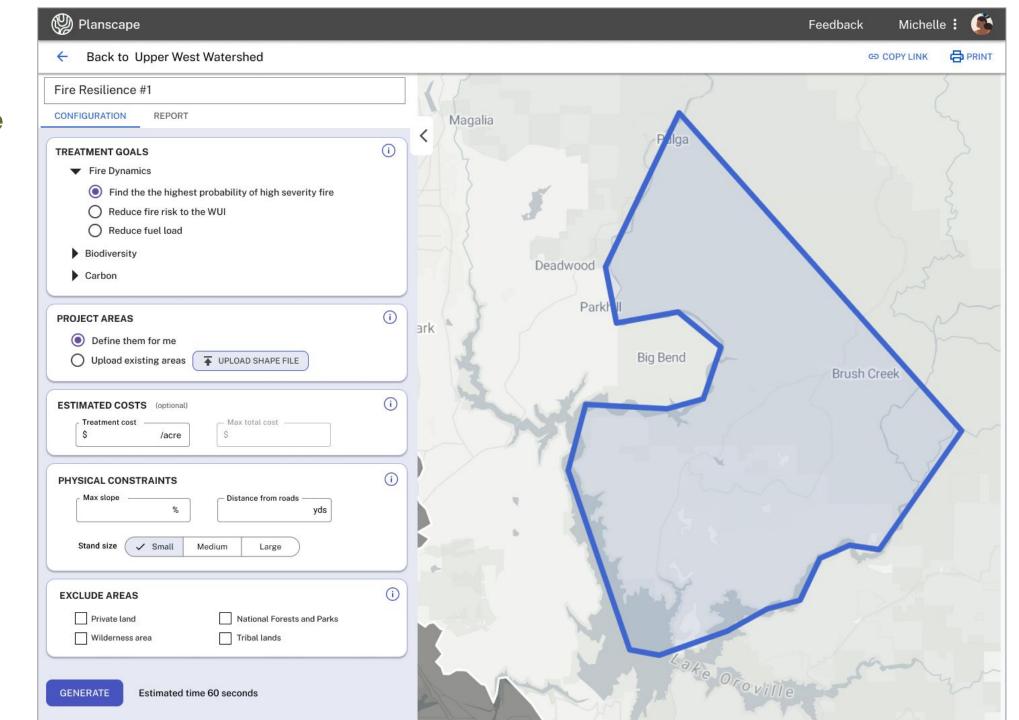


2 Define the area you want to plan within

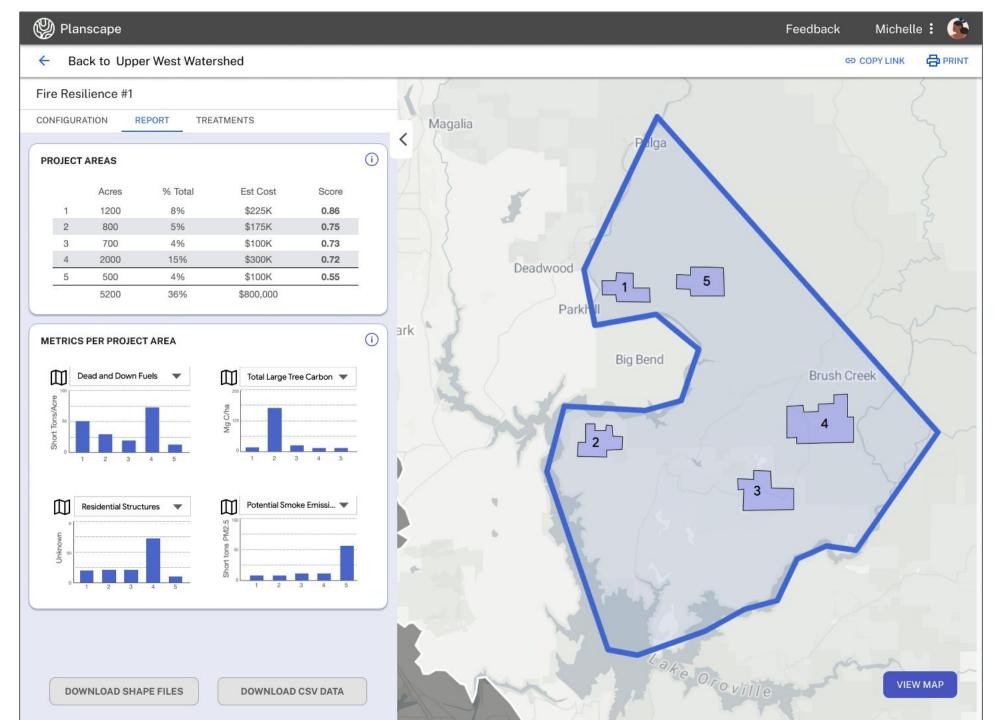
Evaluate the conditions only within a desired area



3 Configure scenarios







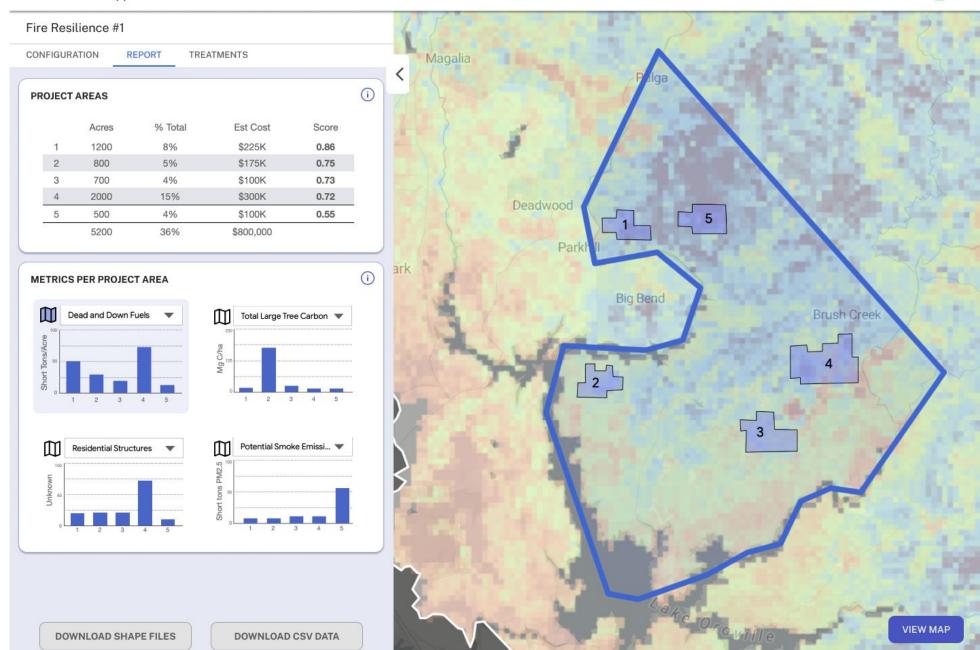
Planscape

← Back to Upper West Watershed

COPY LINK







COPY LINK

PRINT

Planning Areas

Upper West Watershed

126,345

scenarios

Region: Sierra Nevada

Planscape

Creator: [Name], [Department] Created: 10/15/2022 Last activity: 2h ago

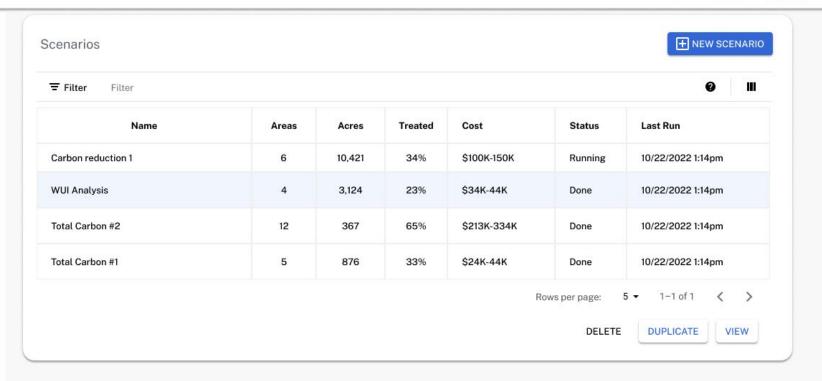
Notes

Type notes here. Notes are visible based on the visibility settings for this plan.



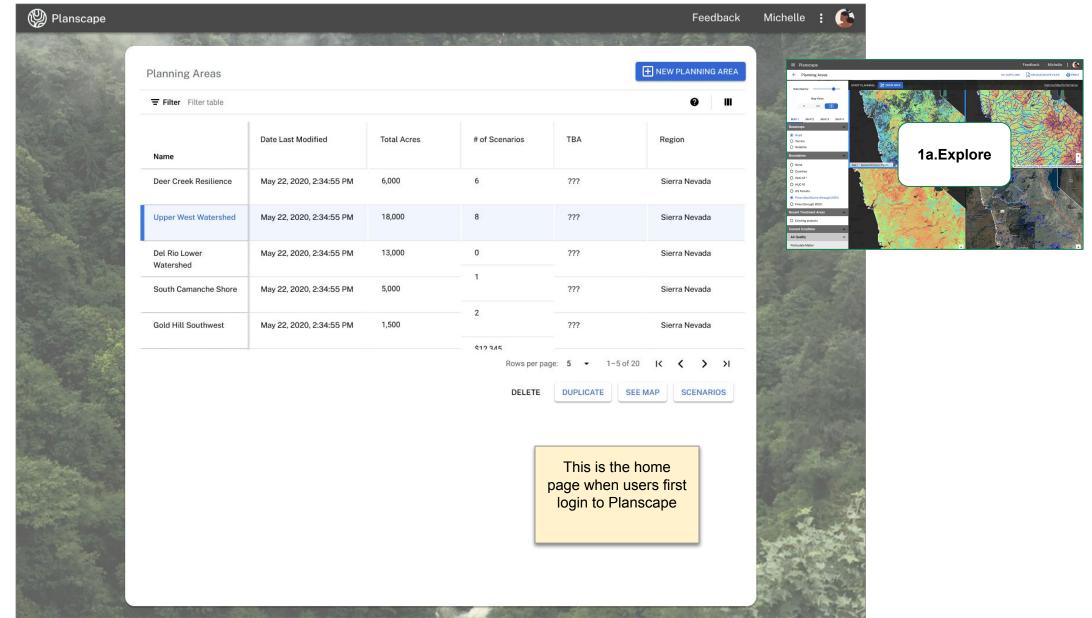
Change visibility settings Anyone with this link can view

VISIBLE TO OTHERS -



Each Planning Area can contain a list of many scenarios

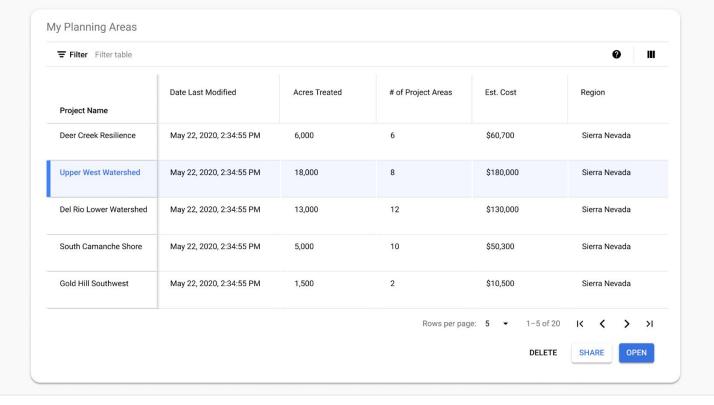
6 All your Plans in one place



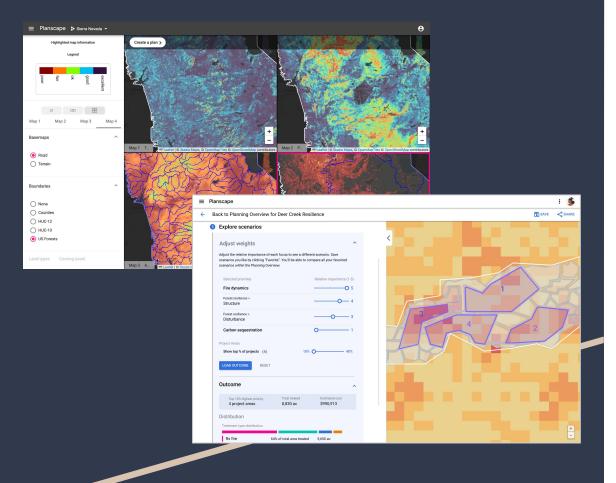
Plan with an account or browse as a guest



Welcome back!



What makes it unique



- Open source and free to users
- 2. **Builds on existing** science and tools
- 3. **Governed** by Federal & State partnership
- 4. **Focus on landscape scale solutions** for regional planners
- 5. **Flexible to extend** to other areas and add new data layers over time
- 6. **Incorporates climate change** constraints
- 7. **Collaboration** and sharing capabilities
- 8. Utilizes Task Force **Regional Resource Kits**



Planscape application

- Freely available
- Beta access to pre-release features

Regional Resource Kit data

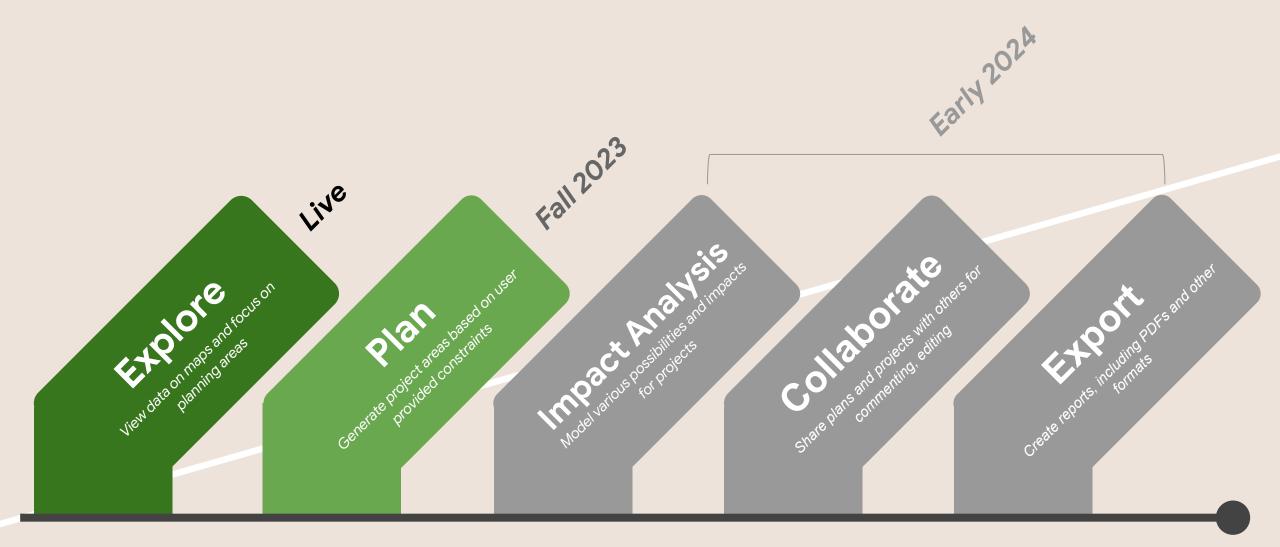
- Transparent
- Free

Access to the science components for custom analysis

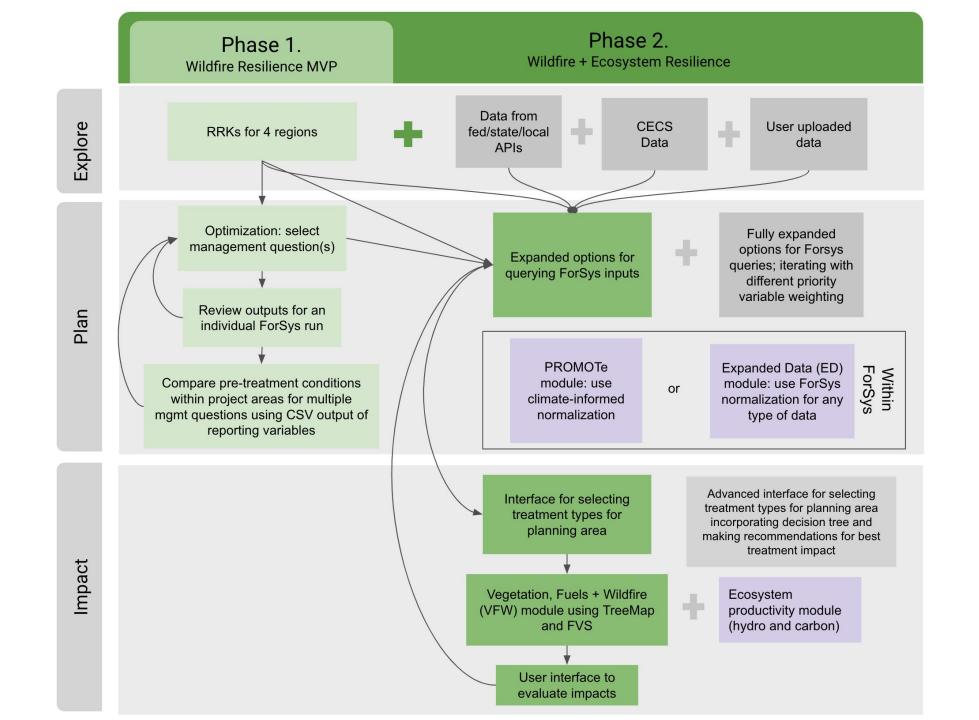
- ForSys
- FVS
- Treemap
- PROMOTe
- ...

Planscape cooperative team members available for **professional** services support

Five User Journeys & Timelines







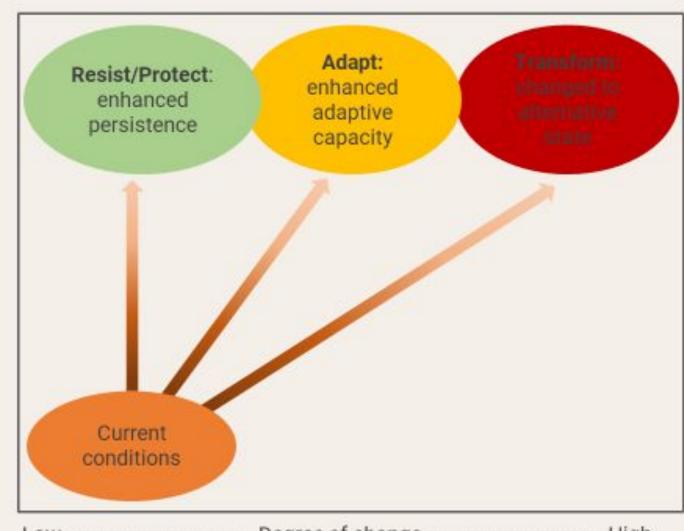
Tenets of landscape management

- 1. Ecosystems are the sum of many parts
- 2. Climate change is impacting resources and creating uncertainty in mgmt responses
- 3. Resilience is achieved across landscapes not within patches
- 4. Nature-based solutions work within the parameters of the biophysical environment

Strategies for Managing Change

Target

- Mgmt. can achieve many goals
- Knowledge of future conditions could help direct strategic and tactical decision-making
- RESIST/PROTECT: maintain existing valued conditions
- ADAPT: increase resilience to future disturbances and climate
- TRANSFORM: facilitate development of alternative states (forest → shrubland)

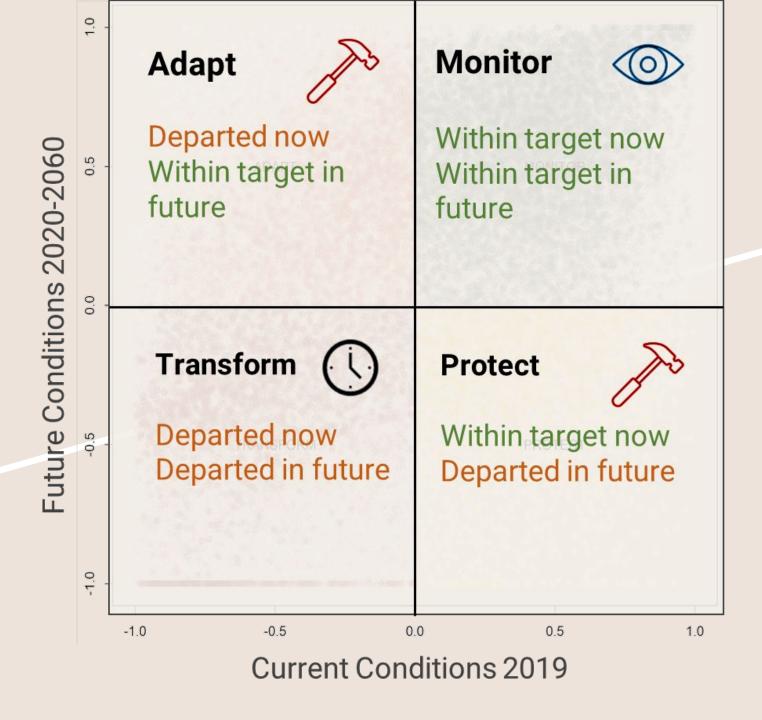






PROMOTe model of landscape management

What are the conditions today, and where are they headed under climate change?



Many climate-informed mgmt frameworks lack quantitative methods

PROMOTe provides such a general methodology, linking strategic and tactical mgmt decisions

