Agenda

Workshop Series:

• Part 1. November 19th: Review vulnerability assessment results

• Part 2. November 20th: Develop adaptation strategies

09:00-09:30 Welcome, project overview, and introductions
09:30-10:00 Vulnerability assessment results for habitats and species
10:00-10:10 Break
10:10-11:30 Climate-driven trends in vegetation distribution
11:30-12:00 Identifying priorities for adaptation planning
12:00 Adjourn
1. **Project Scoping Meeting (June 2019)**
   - Select natural resources of interest, define project boundary, identify climate variables and timeframes for spatial analysis

2. **Vulnerability Assessment (Fall 2019)**
   - Vulnerability Assessment Workshop: Oct 2019
   - Synthesize vulnerability information: 2020

3. **Spatial Analysis (Summer 2019-Summer 2020)**
   - Downscaled maps and trends for climatic and hydrologic variables, vegetation, and fire

4. **Adaptation Planning (Fall 2020)**
   - Two workshops (Midpen, SCMSN): Nov/Dec 2020
   - Synthesize adaptation information: Winter 2021

5. **Final climate vulnerability and adaptation products, spatial analysis (Spring 2021)**
Climate Adaptation Framework

1. Define Goals and Identify Priorities
   - Identify habitats and species
   - Define project geography, climate variables

2. Assess Vulnerability to Climate Change
   - Sensitivity
   - Exposure
   - Adaptive capacity

3. Identify Adaptation Strategies and Actions
   - Decrease sensitivity, exposure
   - Increase adaptive capacity

4. Implement Adaptation Options
   - Changes in management, policy
   - Cooperation across organizations

5. Monitor, Review, Revise

From Glick et al. 2011 *Scanning the Conservation Horizon*
Focal Resources List

**Habitats**
- Coastal dunes, wet meadows, and prairie
- Coastal scrub
- Mixed grasslands
- Chaparral shrublands
- Oak woodlands
- Mixed evergreen/montane hardwood forests
- Coastal redwood forests
- Rivers, streams, and floodplains
- Freshwater marshes, wetlands, and ponds
- Seeps and springs

**Species/Species Groups**
- American badger & western burrowing owl
- Bats
- Butterflies
- Coyote brush
- California red-legged frog & San Francisco garter snake
- Marbled murrelet
- Salamanders
- Salmonids
- Wide-ranging mammals
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TODAY!

- Decrease sensitivity, exposure
- Increase adaptive capacity
Final Products

1. Short synthesis report on climate projections, trends, and impacts
2. Vulnerability-adaptation briefs
3. Short report summarizing workshop proceedings
4. Print-ready maps and GIS layers

All final products will be available to Midpen and the Network
Introductions

- Name
- Brief description of site or habitat that you work on regularly and primary challenges
Vulnerability assessment results!
<table>
<thead>
<tr>
<th>HABITATS</th>
<th>ACTIVITIES/TOPICS</th>
<th>SITES/PROJECTS</th>
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<tbody>
<tr>
<td>Redwood forest</td>
<td>Connectivity, linkages</td>
<td>Irish Ridge restoration site</td>
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<tr>
<td>Grasslands</td>
<td>Fuels management (negative + positive impacts; areas where we’re working against the tide vs. working more in line with where things are going with CC)</td>
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<td>Black oak</td>
<td>Road infrastructure and erosion</td>
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<td>Coast live oak</td>
<td>Grazing</td>
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<td>Rare plants in riparian areas</td>
<td>Larger, intact tracts vs. mosaic habitats</td>
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<td>Floodplains</td>
<td>Hydrologic connectivity, plant communities and transpiration, soil moisture, etc.</td>
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<tr>
<td>Canyon live oak</td>
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