

# Climate Adaptation Project for the Sierra Nevada Adaptation Planning Workshop June 4-5, 2013

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## **Location:**

Modoc Hall, Willow Room (First Floor), California Landscape Conservation Cooperative, 3020 State University Drive East, Sacramento, CA

## **Workshop 2:**

This 1.5-day workshop will include: (1) a review of the results of the vulnerability assessment for focal resources; (2) presentation of spatial analysis and mapping for the region and resources and discussion around how the information can be used to inform regional management decisions; (3) introduction to and exploration of adaptation planning approaches; (4) development of adaptation strategies for the region and resources; and (5) prioritization of adaptation actions including what, where, and who will implement.

## **Workshop 2 Objectives:**

1. Collaboratively identify management and conservation goals and objectives for focal resources.
2. Present outcomes of spatial analysis and mapping to facilitate adaptation planning.
3. Develop adaptation strategies to reduce the identified vulnerabilities of resources (from March workshop) and increase positive long-term outcomes for regional management goals.
4. Develop implementation plans to facilitate incorporation of adaptation strategies into regional planning and management activities.
5. Provide climate change adaptation training, resources, support, and tools to participants to extend this process to similar efforts in their own work.

## **Background:**

The Climate Adaptation Project for the Sierra Nevada is comprised of three principal components:

- (1) Vulnerability assessment workshop,
- (2) Spatial analysis and comparative mapping to inform the vulnerability assessment and facilitate adaptation planning, and
- (3) Adaptation planning workshop.

The objectives of this project include:

- (1) Assess the vulnerability of focal resources to climate change,
- (2) Use spatial analysis and expert input to prioritize conservation areas or actions,
- (3) Identify implementable management responses to climate change in the Sierra Nevada, and

(4) Provide training for managers, planners and others to conduct similar processes in specific jurisdictions (national forests, counties, reserves, etc.).

### **Workshops:**

This is the second of two workshops on climate change vulnerability assessment and adaptation planning for the Sierra Nevada. The goal of this workshop (4-5 June 2013) is to develop and prioritize adaptation strategies for focal resources and regions. The goal of the first workshop was to evaluate the vulnerability of a suite of focal resources (ecosystems, species, and ecosystem services) to climate and non-climate stressors and to identify spatial analysis needed to support the vulnerability assessment and adaptation planning.

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## **AGENDA**

**Tuesday, June 4<sup>th</sup>: 12PM – 5PM**

### **REDEFINING RESOURCE MANAGEMENT GOALS AND INTRO TO MAPPING PRODUCTS**

12:00 – 12:35 Welcome and introductions (boxed lunches provided)

Workshop goals, process, and desired outcomes

12:35 – 1:00 Presentation: *Introduction to adaptation strategy development*. Eric Mielbrecht, EcoAdapt

1:00 – 1:30 Presentation: *An Adaptation Portfolio Approach to Managing Climate Risk*. Greg Aplet and John Gallo, TWS

1:30 – 2:00 Participant and facilitator introductions

2:00 – 3:00 **ACTIVITY 1: DEFINE MANAGEMENT GOALS AND OBJECTIVES FOR RESOURCES**

#### Objectives for breakout groups:

- DEFINE management goals and objectives for your resource – what is your mandate or goal with respect to the resource?
- Identify area of interest and time frames for implementing management actions

**BREAK: 3:00 – 3:15PM**

3:15 – 4:00 Breakout groups report back to share goals and objectives with all participants; discuss and modify goals as needed

### ***Spatial Analysis***

4:00 – 5:00 Spatial analysis and mapping to inform adaptation planning

- How did we decide what to map and how can products inform management decisions and adaptation planning?

- Spatial analysis, data layers, and mapping on Data Basin
- Participant Q&A

4:55 – 5:00 Wrap up and next day preview

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**Wednesday, June 5<sup>th</sup>: 8:30AM – 5PM**

**ADAPTATION STRATEGY DEVELOPMENT**

8:30 – 8:45 Opening comments and overview of day’s objectives

8:45 – 10:15 **ACTIVITY 2: EVALUATE MANAGEMENT GOALS/OBJECTIVES USING VULNERABILITY ASSESSMENT RESULTS**

Objectives:

- Use the vulnerability assessment results provided in your packet to EVALUATE the ways in which climate impacts and associated vulnerabilities may make it more difficult or easier to achieve management objectives
- Assess the feasibility of using current management strategies and actions to achieving objectives

**BREAK 10:15 – 10:30AM**

10:30 – 12:00 **ACTIVITY 3: IDENTIFY ADAPTATION APPROACHES AND PRIORITIZE ACTIONS**

Objectives:

- IDENTIFY adaptation approaches that will help you achieve your management objectives
- Develop specific resilience building/vulnerability reducing actions to implement (e.g., what actions reduce exposure? Reduce sensitivity? Enhance adaptive capacity?)
- EVALUATE implementation feasibility and priority
- Select a final suite of actions that you consider most important to implement based on feasibility and effectiveness

**LUNCH 12:00 – 1:00PM (Provided)**

1:00 – 2:00 Report back and discussion of adaptation strategies and priority actions  
→ Are there similar strategies/actions for different resources and goals?

2:00 – 3:30 **ACTIVITY 4: DEVELOP IMPLEMENTATION PLANS FOR PRIORITY ACTIONS**

Objectives for breakout groups:

- Develop implementation plans for priority actions including:
  - Who could implement – agency? Organization? Other group?

- Resources needed – data/information? Funding?
- Partners needed
- Timeframe
- Use spatial analysis tools and maps on Data Basin to begin to identify and prioritize where in the Sierra Nevada to implement actions

**BREAK: 3:30 – 3:45PM**

3:45 – 4:45 Report back and discussion on implementation plans and mapping

4:45 – 5:00 Wrap up and post-workshop survey

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