



California Landscape Conservation Cooperative Delivers Climate Adaptation Science to Resource Managers

California Climate Commons

Home Datasets Documents Web Resources CA LCC Projects Articles Forums Contact Us

Search the Commons

Welcome to the California Climate Commons

The Climate Commons offers a starting point for discovery of climate change data and related resources, information about the science that produced it, and the opportunity to communicate with others about applying climate change science to conservation in California.

Key Topics: Vulnerability Assessment, Sea Level Rise, Climate-Smart Conservation, Scenario Planning

I Want To: Compare Tools, Find Climate Change Data, Search the Literature, Search by Subject or Location

The 2014 Basin Characterization Model Downscaled Climate and Hydrology Dataset

The 2014 BCM incorporates future climate scenarios including many from the newer CMIP-5 climate projections, as well as updated methodology. This article introduces the new dataset and leads to ways to access it.

<http://climate.calcommons.org>

The California Climate Commons

is the digital library of the California Landscape Conservation Cooperative, providing access to LCC-funded projects from proposal to completion.

California LCC Projects by Ecoregion

Click on the map or on the name of an ecoregion in the table below for a listing of CA LCC Projects associated with that region. (CA LCC-wide projects are listed only once under that tag)

North Coast	CA LCC-wide	Central Coast
Bay-Delta	Marine	Sierra Nevada
Central Valley	Baja	South Coast

CA LCC Projects by Ecoregion

One-stop shopping: Data, Documents, Web Resources, Tools

The Commons helps natural resource managers navigate climate change science, understand available resources, and quickly find what they need from a wide variety of sources.

Hosted Dataset

Tool Comparison

Title	Tool Form	Tool Theme	Geo-Focus	Description
TACCMO: Template for Assessing Climate Change Impacts and Management Options	Web based	Forest Planning		
Climate Commons Hosted Datasets	Web based	Climate change impacts	California	This tool provides access to a growing collection of spatial data useful for assessing climate change impacts on the landscape. Select and download data with helpful documentation; forums for posting questions which will be answered by the creators of the data.
Hazus-MRI-Hazard (M-H)				A powerful risk assessment methodology for analyzing

Project Helps Managers Assess Vulnerability of Marsh Birds to Climate Change

Contributors to this article: Deanne DiPietro, Leo Salas, Nadav Nur

Article about a CA LCC Project

Results of the project:

- A Simple Population instructions for use,
- Technical report des created and how to
- A framework for mo early 2013.

Project: A Climate Change Adaptation Strategy for Sierra Nevada Birds

Project Information

View this project on the CA LCC website

Full Proposal Title: Assessing climate change vulnerability of Sierra Nevada birds

Description: This project will use the NatureServe Climate Change Vulnerability Index tool to assess vulnerability of 140 bird species that breed in the Sierra Nevada and will develop a peer-reviewed Climate Change Adaptation Strategy for Sierra Nevada bird species that are most vulnerable to climate change. The Strategy will provide recommendations for actions that managers can take now and in the future to bolster resilience to climate change.

End Users or Target Audience: Sierra Nevada land managers, especially USFS and NPS; CDFW; wildlife conservation NGOs; sectors of scientific community and conservation

Project Lead: Rodney S. ...

Lead Organization: The ...

Partner Organizations: California Davis ...

Status: Completed

Starting Date: 2011-07

Ending Date: 2013-12

Fiscal Years of Allocation: ...

Total LCC Funding: 8239 ...

LCC funding by year and ...

Total Matching or In-Kind ...

Matching and In-Kind F ...

Products of this project

Deliverable Type	Title	Release Date	Links
User Manual / Guidance Document	Slide Presentations Explaining the Sierra Nevada Bird Vulnerability Assessments	Jan 2014	Dataset
Datasets / Database	Vulnerability assessment matrix for ca. 168 Sierra Nevada bird spp.	Jan 2014	Dataset
Training / Outreach/Workshop : Video	Sierra Nevada Birds and Climate Change	Jan 2014	External link
Publication : Article	Article in March 2014 issue of Estuary News	Mar 2014	External link Document
Datasets / Database	Vulnerability Rankings for 168 Sierra Nevada Bird Species	2014	Dataset

Project Metadata Record with Product Listing

Data Management Planning, an important step

Project leads create a Data Management Plan that tracks project deliverables and how data will be accessed.

Unlocking the data: access intended for real users

Catalog records describe the data, link to the source of the data and any related documents, websites, and tools.

When products are ready for release, they are cataloged in the Commons and hosted if needed.

Document Library

Search Terms

The Climate Commons Document Library contains catalog Commons and elsewhere. Many of the documents are linked to the Data Catalog and provide useful information about the creation and use of that used it.

List Documents in Library

Title	Author
A Climate Change Primer for Land Managers: An Example from the Sierra Nevada	Morell, Toni Lyn, McGlinchy, M. C., and Neilson, Ronald P.
A climate change vulnerability assessment of California's at-risk	Gardali, Thomas, Seavy, Nathaniel E., DiGaudio, Ryan T., and Conrath, Lyann

Data Catalog

Search Terms

Search Datasets

The Climate Commons Data Catalog provides searchable records of datasets hosted online, and to related documents and websites.

List Datasets in the Catalog

Dataset	Data Type	Subject
Bias Corrected and Downscaled WCRP CMIP3 Climate and Hydrology Projections	Downscaled climate model	climate modeling, hydrology
Species Distribution Model	Species distribution model	birds, bioclimatic modeling
Biogeographic prediction	Biogeographic prediction	species distribution modeling, bioclimatic modeling
Bird Species Richness Response to Climate Change	Species distribution model	bioclimatic modeling, climate projections

Data and Document Catalogs

Vulnerability Rankings and Assessment of Sierra Nevada Bird Species

Commons Hosting

Climate Commons Hosting Status: Eligible

Basic Information

The CA LCC-funded project "A Climate Change Adaptation Strategy for Sierra Nevada Bird Species" applied the NatureServe Climate Change Vulnerability Index tool to 140 bird species that breed in the Sierra Nevada and developed a peer-reviewed Climate Change Adaptation Strategy for Sierra Nevada bird species that are most vulnerable to climate change.

Here are the project results:

- "Sierra Nevada Bird Vulnerability Rankings Table" summarizes the NatureServe Climate Change Vulnerability Index for 168 Sierra Nevada bird species.
- "Sierra Nevada Bird Vulnerability Assessment Matrix" provides a detailed assessment of the vulnerability of each species based on the NatureServe Climate Change Vulnerability Index.

Dataset Catalog Record

For more info: Deanne DiPietro ddipietro@pointblue.org

Commons partners: Point Blue Conservation Science, UC Davis Information Center for the Environment