



Creating and Implementing Your CA LCC Data Management Plan

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Presentation Outline

- About Data Management Plans
- How to create and edit a DMP on the Climate Commons
- Responsibilities and getting help
- Answer any questions

About Data Management Plans

A Data Management Plan is a document that describes the data produced by a project and the way those resources will be stored, documented, and shared for use by others.

Purposes:

- Internal to LCC: tracking & supporting effective usage of project deliverables
- Bigger picture: supporting science with transparency, data sharing, collaboration

CA LCC's Requirements for funded projects

“When a proposal is identified for funding by the CA LCC Steering Committee, a written Data Management Plan must be delivered and approved by the Coordinator and Science Coordinator within 3 months of proposal acceptance.”

- We request that you submit your draft Plan **within 60 days** so we can work with you to complete it and get it approved in time.

The Project Timeline and your Data Management Plan

Project Lead

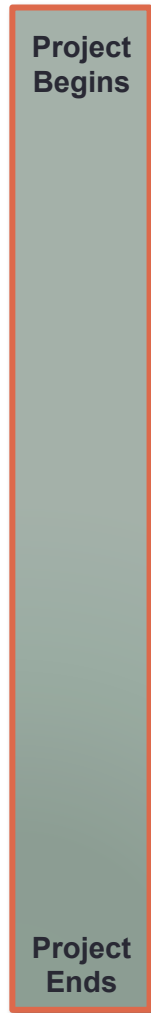
Within 60 days: Submit draft Plan

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. .
. . .
. . . .
.

(Edit Plan as needed, as a living document)

Update and implement final Plan
(share, archive, and get data cataloged on the Commons)

Deliver final report and data products



CA LCC

By 90 days: Approve Plan

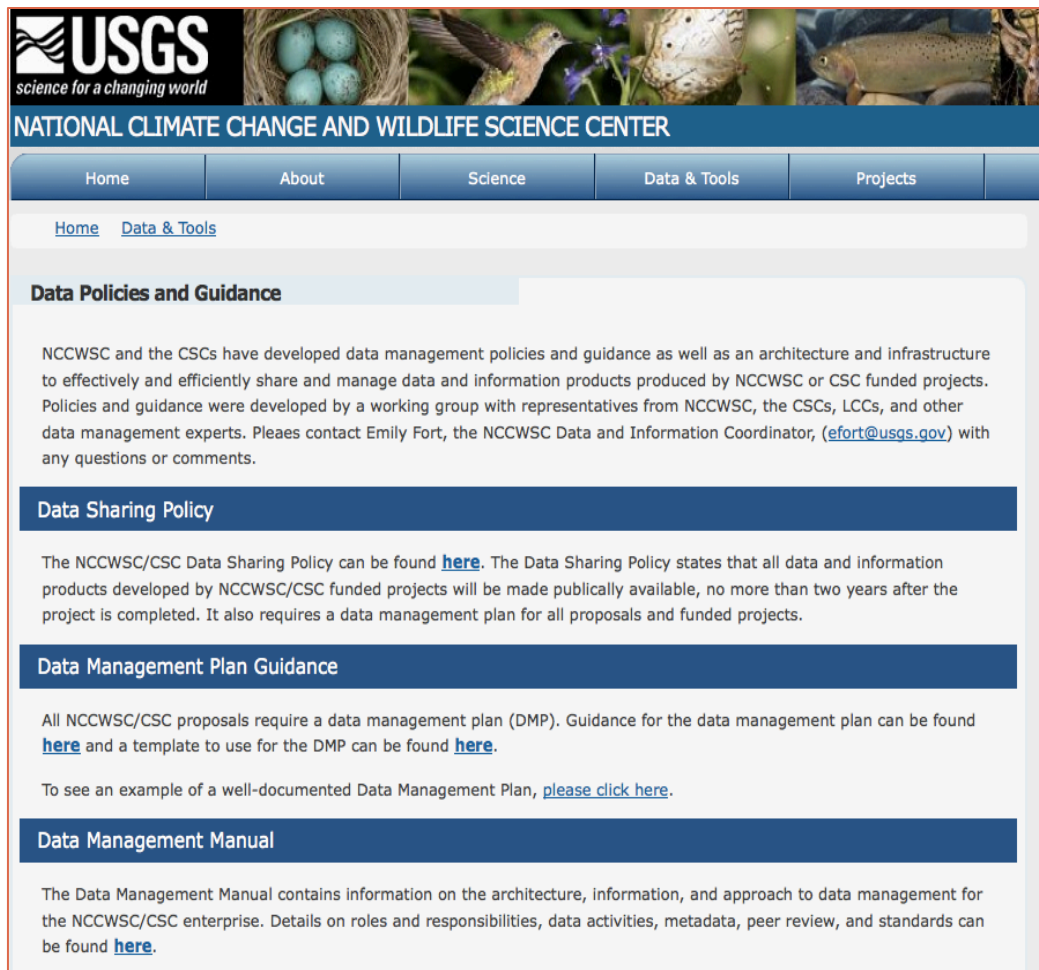
.
. .
. . .
. . . .
(Provide support as needed)

Help with cataloging, hosting, and archiving.

Wrap-up interview, approve implemented Plan

Guidelines, Standard

- Nat'l LCC Data Management Best Practices
- The standard we follow: NCCWSC
- [Example of a NCCWSC Data Management Plan](#)
- [Example of a CA LCC Data Management Plan](#)



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Home About Science Data & Tools Projects

[Home](#) [Data & Tools](#)

Data Policies and Guidance

NCCWSC and the CSCs have developed data management policies and guidance as well as an architecture and infrastructure to effectively and efficiently share and manage data and information products produced by NCCWSC or CSC funded projects. Policies and guidance were developed by a working group with representatives from NCCWSC, the CSCs, LCCs, and other data management experts. Please contact Emily Fort, the NCCWSC Data and Information Coordinator, (efort@usgs.gov) with any questions or comments.

Data Sharing Policy

The NCCWSC/CSC Data Sharing Policy can be found [here](#). The Data Sharing Policy states that all data and information products developed by NCCWSC/CSC funded projects will be made publically available, no more than two years after the project is completed. It also requires a data management plan for all proposals and funded projects.

Data Management Plan Guidance

All NCCWSC/CSC proposals require a data management plan (DMP). Guidance for the data management plan can be found [here](#) and a template to use for the DMP can be found [here](#).

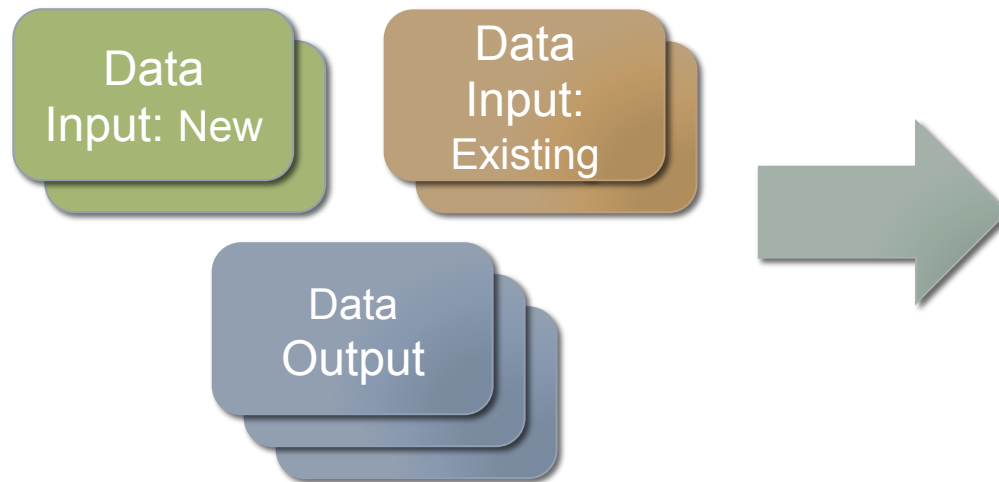
To see an example of a well-documented Data Management Plan, [please click here](#).

Data Management Manual

The Data Management Manual contains information on the architecture, information, and approach to data management for the NCCWSC/CSC enterprise. Details on roles and responsibilities, data activities, metadata, peer review, and standards can be found [here](#).

Overview of a Data Management Plan

Section records are created using form on the Climate Commons



Data Management Plan for the California LCC project
Tidal Marsh Bird Population and Habitat Assessment

Table of Contents

Data Input - New Collections

- 1 [Tidal Marsh Elevation Models](#)
- 2 [Tidal Marsh Bird Species Distribution Models](#)
- 3 [Tidal Marsh Vernalpools Species Distribution Models](#)
- 4 [Tidal Marsh Bird Conservation Prioritization Model](#)

Data Input - Existing Collections
(nothing in this category)

Data Output - Product or Deliverables
1 [Luis San Francisco Bay Tidal Marshes, A Climate Smart Planning Tool](#)

Data Input - New Collections

1	Tidal Marsh Elevation Models
Description	Marsh accretion was modeled by ESA PWA using the Marsh-SB model. The model assumes that rates of marsh plain elevation change depend on the availability of suspended sediment and organic material, water depth, and duration of inundation periods. If enough suspended sediment or organic material is available, then tidal marsh elevations can keep pace with increased inundation. Model outputs were linearly interpolated in 10-cm increments for starting elevations ranging from -0.7 to 1.7 m (relative to mean higher high water, or MHHW), and applied to a composite 5-m elevation grid (see below) for SF Bay. Results for each possible combination of projected sea level rise, sediment and organic material availability, and target year were combined to produce the scenario layers.
Format	Raster grids, asci.
Metadata	FGDC
Backup and Storage	
Volume Estimate	
Access and Sharing	Public.
Restrictions	Acknowledgement, citation.
Archive Organizations	PRBO Conservation Science, California Climate Commons.
Citation	Veloz, S., M. Flagbom, D. Stralberg, S. Michale, D. Jongsojrit, D. Moody, N. Nur, L. Salas, J. Wood, and G. Ballard. 2011. Tidal Marsh Elevation Model.
DOI or link	http://climate.calcommons.org/dataset/tidal-marsh-elevation-models
Contact	Sam Veloz, sveloz@prbo.org
Commons Cataloged Dataset	Tidal Marsh Elevation Models
2	Tidal Marsh Bird Species Distribution Models
Description	Densities for five key tidal marsh-dependent bird species were modeled using boosted regression trees (Elith et al. 2008). The models are able to fit non-linear functions between environmental variables and the presence/absence or density of a species. Map values represent the probability of occurrence of a species or the density (birds/ha). Higher values in a map indicate a higher likelihood that a species will be present at a site. Bird species modeled: Common yellowthroat, black rail, clapper rail, marsh wren, song sparrow. Model outputs: Probability of occurrence, density (birds per hectare)
Format	asci grids

- composed of one section per dataset, section types:
 - Data Input – New Collection
 - Data Input – Existing Collection
 - Data Output – Product or Deliverable
- each edited individually on the Climate Commons website
- automatically combined and reformatted into single document in the NCCWSC style

How to create and edit a DMP

- Using Tidal Marsh DMP, zero in on a given example section; open in editor to fix something
- Log in, show & explain project record view
 - Help document linked
 - Review/edit existing sections, or add new section
 - Compare to list of cataloged deliverables below
- Open the web page for same section highlighted in review of DMP document
 - Edit page, show editing concepts (field description below, adjust size, use SAVE)
 - Do sample edit to fix problem identified previously, save, show it changed in the DMP doc
- Demo creating a new section

Responsibilities: Project Lead

- Draft the Plan and submit it within 60 days of the project start, schedule review and have it approved by LCC within 3 mo of start,
- Update and modify the Plan as things change during the project,
- Finalize and implement the Plan: work with us to catalog the data products on the Commons, share and archive data beyond the project end date,
- Ask for help when needed.

Responsibilities: CA LCC

- Provide tools and instructions,
- Provide support when requested,
- Assist in CA LCC approval of draft and final, implemented Plan,
- Provide cataloging of products and hosting (if needed).

How to Get Help

- Read the instructions (they're linked on your project page), look at examples,
- Call or email us-- Deanne and Zhahai are at your service anytime you have questions or want help.

ddipietro@pointblue.org

and

zstewart@pointblue.org

Questions?

