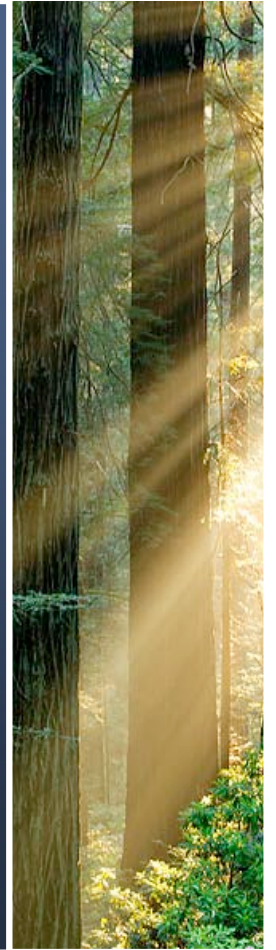
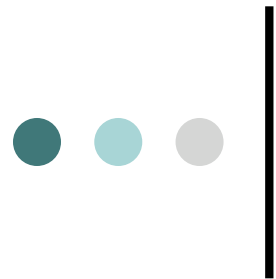


# Climate Change: Implications for Public Land Acquisition and Stewardship

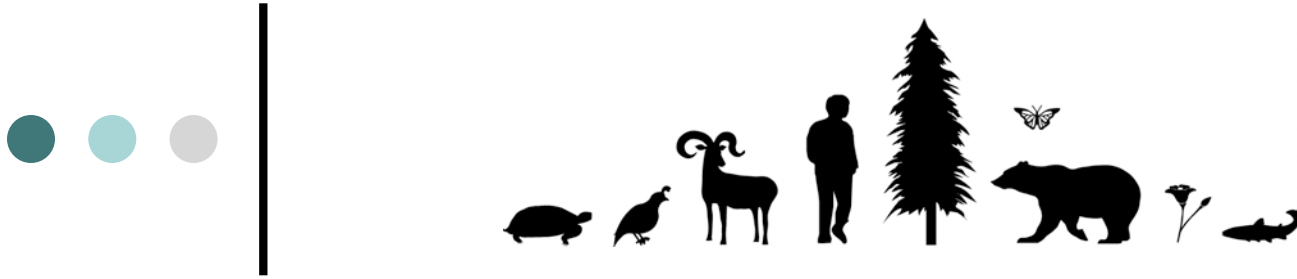
California Council on Science and Technology





# Land Management in times of Change – The Challenge

Coastal wetland restoration in SF Bay will cost \$35M but how long will it last? It will take about 5 yrs to complete and another 5 years to be really functioning. But will sea level rise over the next 25-35 years turn the salt grass/pickle weed marsh to mud flat?



## **California Biodiversity Council (CBC) Climate Change Implications For Public Land Acquisition and Stewardship**

CBC requests that CCST to use the network of experts and researchers that CCST represents to bridge the gap between this research community and state/federal land managing agencies and the larger land trusts as it relates to addressing climate change and land acquisition and stewardship.



# Proposed Project

- Multi-year project -Five years
- Identify and clearly present relevant and current research findings about biodiversity and climate change
- Emphasis on translating information into a format practitioners can apply to ground decisions



# Agencies and Partners

- CA Resources Agency
- CA Dept of Fish and Game
- USDI Bureau of Land Management
- USDA Natural Resources Conservation Services
- CA State Parks
- USDA Forest Service
- CA Biodiversity Council
- CA Land Trusts
- Cal Coastal Conservancy
- The Nature Conservancy



# Biodiversity Project Scope

## CCST will

- Identify and convene Steering Group
  - Membership from CCST, CBC, research and education institutions, and NGO's
- Identify and convene Research Working Group
  - Subject area experts working group supported by postdocs to review literature, identify research needs, identify materials for website
- Design and populate interactive website
- Host Annual Biodiversity Symposium with CBC



# Proposed Timeline

## ○ Jan-Feb

- Identify Steering and Working Group members; secure funding commitments; set project scope

## ○ March-September

- PI's collect data and CCST staff plan report
- Development of interactive website format

## ○ October

- Executive Committee meeting with PI's and CCST members to review findings

## ○ November

- CCST and Executive Committee brief CBC
- Launch of Website

## ○ December

- Report made publicly available



# Proposed Deliverables

- Interactive Website
- Annual Report Summary
- Annual Symposium and summary of findings



# Climate Change and Conservation

Research Assessment and New Policy Direction

Planning, restoration,  
acquisition, & policy toolkit

Climate change  
projections

Habitat  
restoration

Landscape  
reserves

Coastal  
erosion

New  
policies

Applicable  
changes in  
global and  
California  
climate change  
projections

Important  
advances in  
research tied  
to restoration  
& acquisition  
in California

New ideas to  
design and  
implement  
reserves

Latest  
projections:  
impact on  
coastal  
development

New policies  
of land  
managing  
entities and  
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resources

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Topic I

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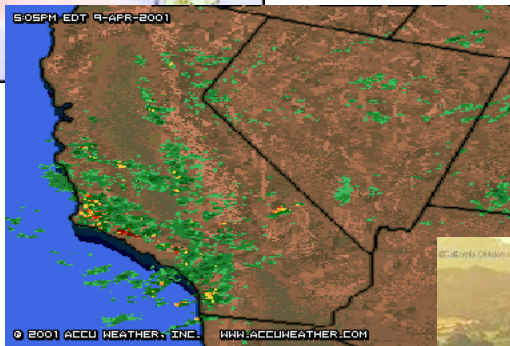
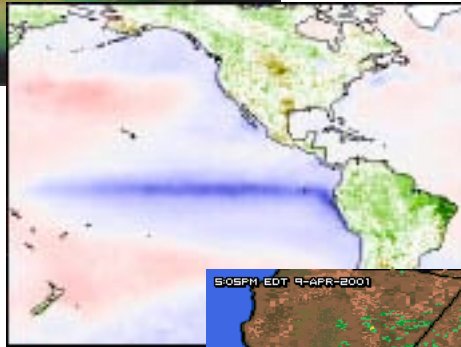
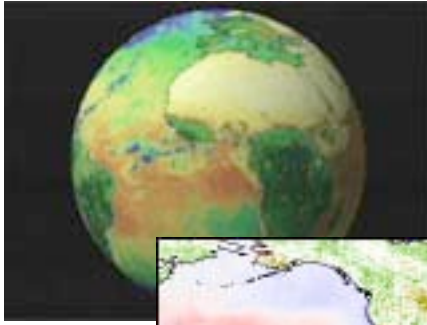
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# Think globally, Assess regionally, Act locally



*Assessing the  
impacts of climate  
change in California*