

California Climate Adaptation Strategy 2012 Biodiversity Sector



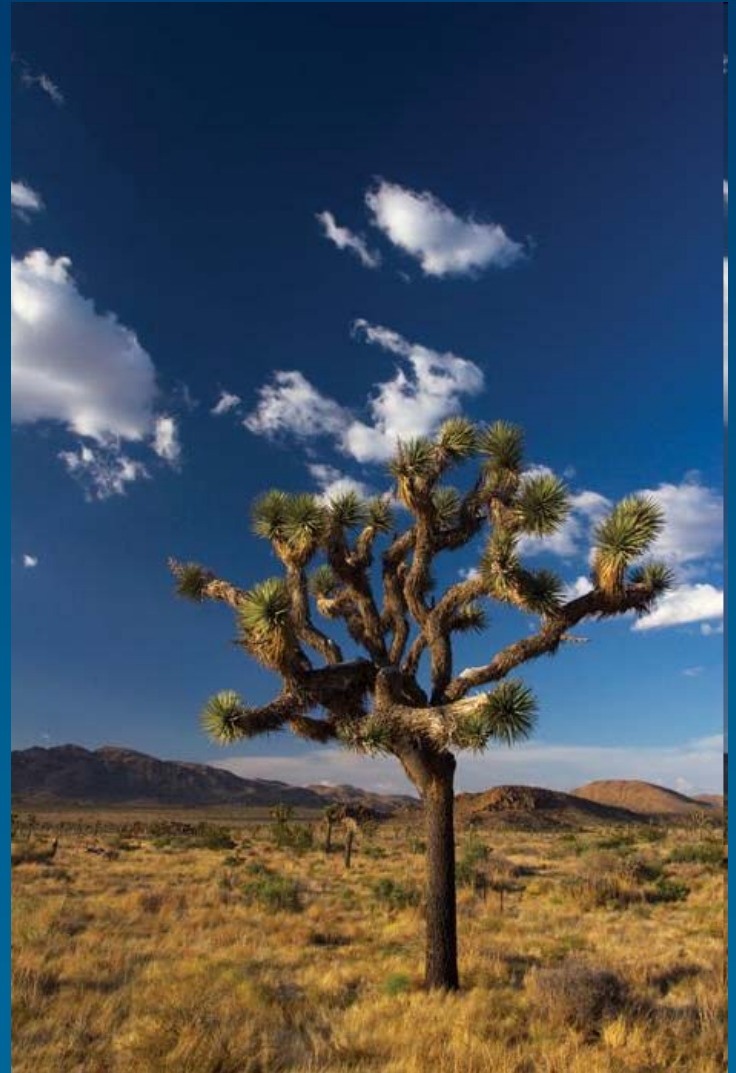
Amber Pairis, Ph.D.

May 31, 2012

Climate Science and Renewable Energy Branch

Agenda

- ◆ Introductions
- ◆ Overview: 2012 CAS
- ◆ Discussion/Input on Biodiversity Chapter
- ◆ Next steps



CAS 2012: Goals

- ◆ Prioritize adaptation actions→implementation
- ◆ Update climate impacts & vulnerabilities, including vulnerable populations
- ◆ Integrate strategies across sectors and with other planning and investment efforts
- ◆ Assess progress to date and id challenges, implementable actions, resources, deliverables
- ◆ Include new sections on emergency response, local government, research, vulnerable populations

CAS 2012: Priorities

- ◆ Cross-sector strategies and coordination
- ◆ Integration into other planning, investment and policy decisions
- ◆ Extreme events and near-term threats
- ◆ Low cost, “no regrets” actions
- ◆ Actions that have adaptation and mitigation benefits
- ◆ Actions that maximize CO-benefits (job creation, consumer savings, technology development, efficiency, public health and safety)

CAS 2012: Structure/Organization

- ◆ Introduction
- ◆ **California's Changing Climate:** Overview of observed climate changes, climate projections, and vulnerabilities
- ◆ **Risk Reduction:** Recap of what's been done to reduce risk, highlights of adaptation progress to date, cross-cutting adaptation strategies
- ◆ **Benefits of Action:** Protecting public health safety, and our economy
- ◆ Regional and local strategies
- ◆ Sector specific strategies

CAS 2012: Sector Outline

- ◆ Highlights of **adaptation progress** since 2009 strategy (including success stories)
- ◆ Identify **adaptation goals** (4-6) and priority implementation strategies
- ◆ Identify **resource needs** and availability, id challenges
- ◆ Identify **research needs**
- ◆ Identify **cross-sector strategies** and implications
- ◆ Opportunities for **integration into other plans** and policies, and for cross-sector integration

Timeline

◆ June – August

- Draft outline for CAT meeting June 11 (June 5)
- Seek stakeholder input and public participation
- Write up success stories (from various regions and sectors)
- Complete first draft of chapter

◆ September – November

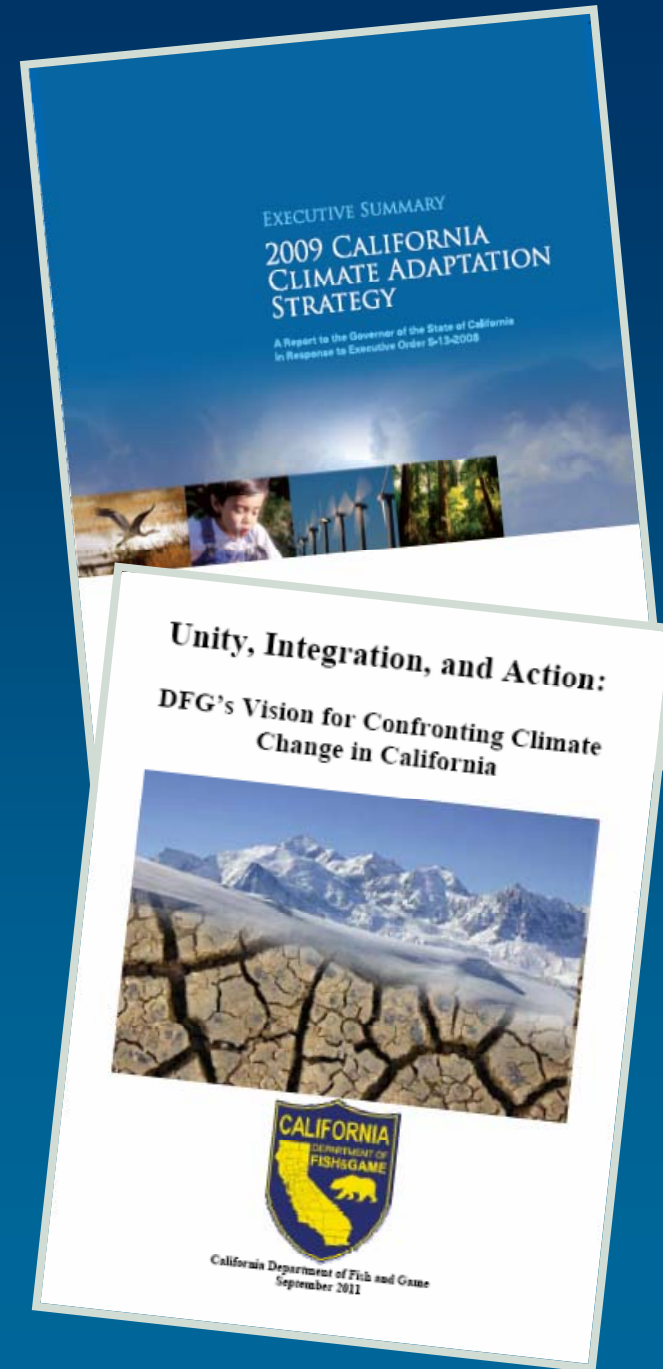
- Release first full draft of 2012 Strategy
- Continue to refine
- Complete detailed checklist of progress to date on goals from 2009 Strategy
- Complete and review cross-sector strategies, research priorities, etc.
- Complete final draft of 2012 Strategy

◆ December 2012

- Final editing and release of 2012 Strategy

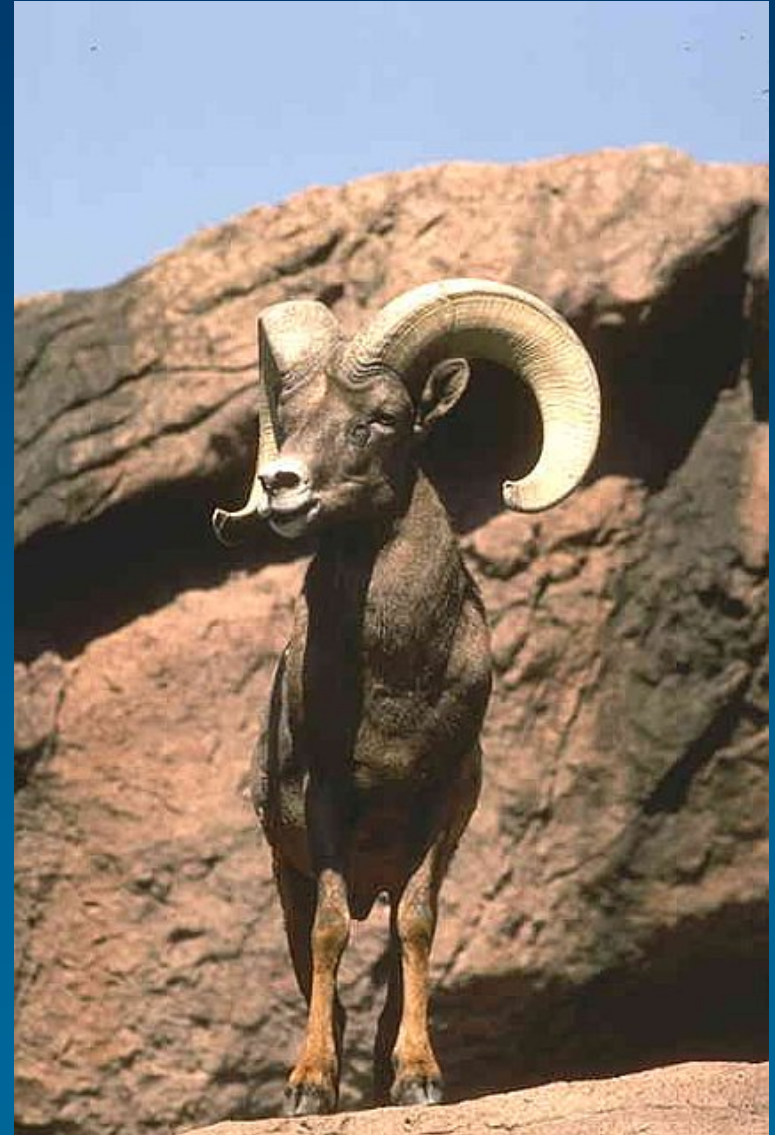
Collaborative Vision

- ◆ 2009 & 2012 CAS joint effort
Lets do it again!
- ◆ Learned/done a lot since 2009
 - ↑ collaborative partnerships & actions
 - Highlight local gov't & partner accomplishments
 - DFG's 2011 climate vision
 - ◆ Implementing the 2009 CAS
- ◆ **Partner input on strategies & framework for implementation**



Recommendations

- ◆ Don't repeat science from 2009 CAS
- ◆ Focus on implementation and cross-sector integration
 - What is missing?
 - Emphasis changed?
 - Moving from planning to action
 - Barriers to moving forward?
How can we address them?
 - Cross sector integration, communication, & collaboration
- ◆ YOUR suggestions to implement OUR vision



2009 Strategies and Ideas for 2012

◆ 2009 CAS

- Strategy 1: Establish a System of Sustainable Habitat Reserves (*terrestrial & marine conservation areas*)
- Strategy 2: Management of Watersheds, Habitat, and Vulnerable Species
- Strategy 3: Regulatory Requirements
- Strategy 4: Research and Guidelines
- Strategy 5: Education and Outreach
- Strategy 6: Implementation of Strategies (Capacity and Funding)

◆ 2012 CAS Implementation Framework

- Goal A: Create and Maintain Climate Change Partnerships (5, 6)
- Goal B: Integrate Climate Change into Management and Planning Activities (2, 3, 4, 5, 6)
- Goal C: Develop Conservation Practices to Maintain and Enhance Ecosystem Function (1, 2)
- ??

Open to Ideas

- ◆ Moving beyond science: Focus on framework for implementation
- ◆ Principles: Inclusion of Climate Smart Adaptation
- ◆ Cross Sector Policy Initiatives: Actions that promote collaborative adaptation planning and action
 - *Adaptive Management in Practice*
 - *Cross Sector Communication/Coordination*
 - *ID Barriers to Implementation & Solutions*
 - *Applied research tied to management actions*
 - *ID metrics to monitor indicators of change*
- ◆ Biodiversity Sector
 - Shift focus from a 'reserves' model to an ecosystem/regional model
 - Highlight partner activities/accomplishments

Next Steps

- ◆ Develop chapter outline before CAT team meeting (June 11). **DUE June 5th**

Draft Outline

- ◆ Highlights of adaptation progress
 - DFG Vision 2011
 - Include success stories-partners/local govt'
- ◆ Identify adaptation goals & implementation strategies
 - Goal A: Create and Maintain Climate Change Partnerships
 - Goal B: Integrate Climate Change into Management and Planning Activities
 - Goal C: Develop Conservation Practices to Maintain and Enhance Ecosystem Function
- ◆ Identify resource needs and availability, id challenges/solutions
 - lack of funding, expertise, interest, data, etc
- ◆ Identify research needs
 - DFG Research Reports
- ◆ Identify cross-sector strategies and implications
 - Principles and Policy Initiatives
- ◆ Opportunities for integration into other plans and policies

Next Steps

- ◆ June 11: Solicit input on draft chapter outline through June 29.
- ◆ DFG compile ideas and create first draft to share early July
- ◆ Solicit your input (July)
- ◆ Update draft based on comments (Aug)
- ◆ Convene in August to discuss updated draft