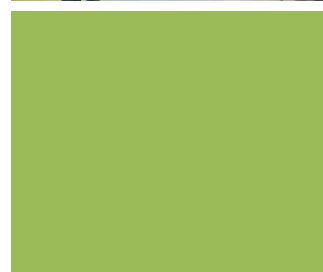
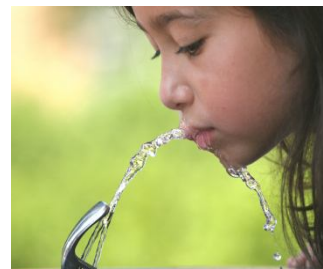


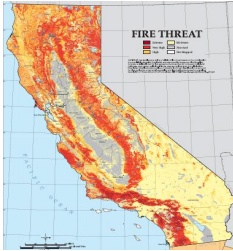
# THE CALIFORNIA CLIMATE ADAPTATION STRATEGY



December 15, 2010



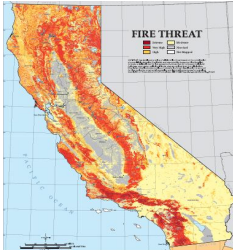
Kurt Malchow  
California Natural Resources Agency



## The California Climate Adaptation Strategy:

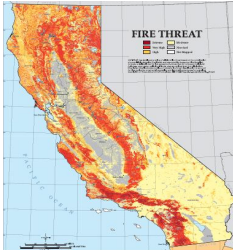


- November 2008 Governor's Executive Order
- Released December 2, 2009
- Progress Report released November 15, 2010
- Bi-annual update (?)



## Climate Adaptation Strategy: Process

- “Brainstorming” sessions – science and policy
- Meetings with experts to discuss climate science and adaptation approaches
- Formation of working groups (by sector)
- Consultant team to synthesize the science
- Strategy: What can state do near-term (2010) and longer-term
- Multi-phase, internal and public reviews

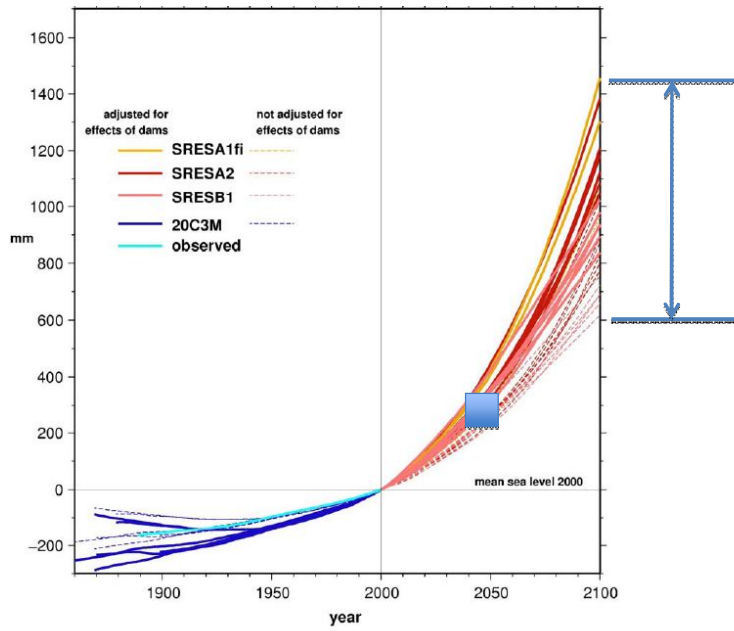


## Climate Adaptation: Perceptions

- Adversity
- Capitulation
- Necessity



# Climate Adaptation: Perceptions



CNRM CM3 — GFDL CM2.1 — MIROC3.2 (med)  
 MPI ECHAM5 — NCAR CCSM3 — NCAR PCM1

Source: Cayan et al., 2009. CEC-500-2009-014-F

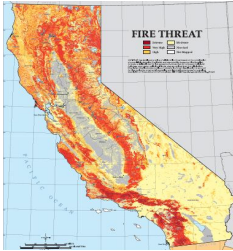


# Research and Publications:



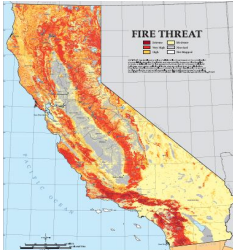
**The Future Is Now**  
An Update on Climate Change  
Science, Impacts, and Response  
Options for California  
A report from the California Climate Change Center  
California Energy Commission's  
Public Interest Energy Research Program  
September 2008

[www.climatechange.ca.gov/publications/](http://www.climatechange.ca.gov/publications/)



## Key Points:

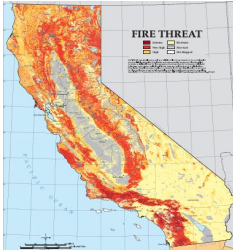
- Climate Change impacts are *already* occurring
- Future climate impacts projected to be worse
- \$2.5 trillion of California infrastructure “at risk”
- Opportunity to reduce risks and build resilience
- Already requirement under CEQA



## Climate Adaptation Strategy: Structure

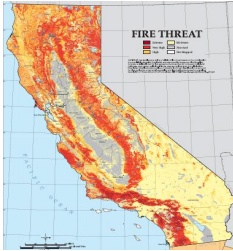
- Defines the climate impact problem to the state.
- Identifies the adaptation component of planning for climate change.
- Synthesizes PIER research into current and expected climate impacts (depending on emissions scenario).
- Makes key recommendations.
- Breaks down each of these prior steps by sector.
- Focus on Science, Impacts, Strategy, Action.





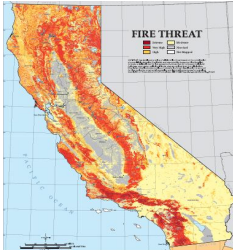
# Funding

- Existing resources
- \$150,000 allocation (AB 32)
- Resources donated from other agencies (website, publication, logistics)



## Since Release:

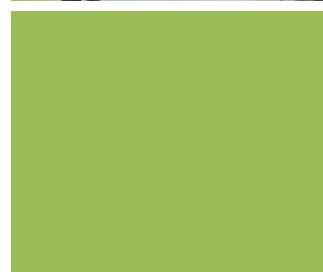
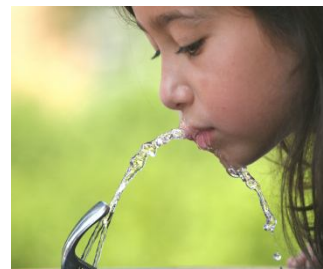
- Making research findings *relevant* (Vulnerability Study, Policy Guide, CalAdapt Tool, Regional SLR Study)
- Coordinating climate adaptation and mitigation
- Involvement with regional efforts
- Progress reporting
- Funding



## Mainstreaming:

- Use same (or similar) planning procedures, with different perspective – not an “add on”
- Stimulus funding - planning for sustainable communities (Strategic Growth Council)
- Vertical integration (city/co./state/federal)
- Access to information on local impacts
- Watershed-level management
- Legislation?

THE CALIFORNIA  
CLIMATE ADAPTATION  
STRATEGY



Thank you



[www.climatechange.ca.gov/adaptation](http://www.climatechange.ca.gov/adaptation)