

GETTING ORGANIZED: A FACILITATED DISCUSSION ON CATALYZING COMMUNITY ADAPTATION EFFORTS & AVOIDING COMMON HURDLES



Kate Meis, Local Government Commission
National Adaptation Forum- April 3rd, 2013

From Sandy Beaches to Redwood Forests: Local Adaptation Efforts in the Golden State

Presentation Overview

1. Common Understanding Of The Need
2. Partnerships
3. Strategies That You Can Agree On
4. Accountability
5. Overall Barriers and Solutions

Zoom In

Zoom Out

Map

Hybrid

Satellite

Common Understanding Of The Need



Pacific Institute, Cal Adapt

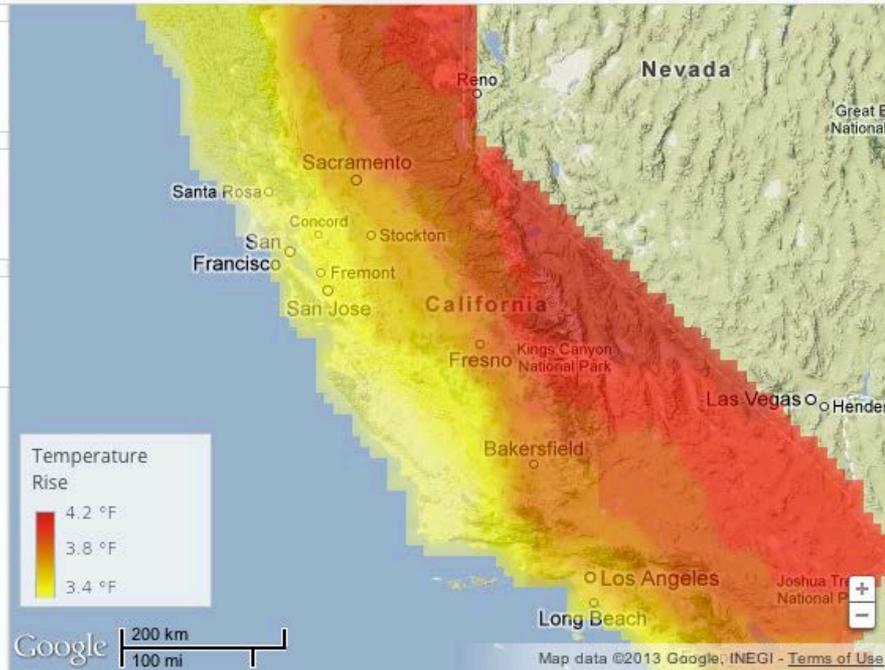


LOCAL CLIMATE SNAPSHOTS



Temperature

Projected changes in annual average temperatures for the low emissions scenario



Social Vulnerability – Integrated View, San Luis Obispo, CA

Source: Susi Moser & Julie Ekstrom



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Partnerships

Diablo Canyon Rd

Quinn Rd

Awia Beach Dr

Awia Beach Dr

San Luis Bay Golf Club

San Luis Obispo Bay

Cross-Sector Stakeholders

- WATER
- INFRASTRUCTURE
- HEALTH
- AGRICULTURE
- COASTAL/MARINE RESOURCES



SacReady: Sacramento Regional Adaptation Collaborative

- Utilities
- Water Agencies
- Air Districts
- Regional Planning Agencies
- Local University
- Non-profit Organizations
- CalFire
- Public Health
- Emergency Preparedness



Alliance of Regional Collaboratives for Climate Adaptation (ARCCA)

Formed to prepare CA's urban centers for the emerging impacts of climate change, including extreme storm events, heatwaves, droughts, and sea level rise.

- Sacramento
- San Francisco Bay Area
- Los Angeles
- San Diego



CA Dept. of Food & Agriculture Climate Change Consortium

Key Impacts:

- Increase Temperature, Winter Chill Hours, Fog
- Drought
- Flooding
- Pests
- Pollination Services

Goals:

- Set CDFA priorities
- Inform CA Adaptation Strategy Update
- Provide strategies for CA growers



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Public Health

4-year grant to build resilience against climate effects from Centers for Disease Control and Prevention to:

- development of vulnerability assessments
- health impact assessments
- detailed climate adaptation strategies for the health sector

California Department of
Public Health



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Strategies That You Can Agree On





Require new development to account for sea level rise

Tiered water rate structures

Land management practices to reduce sedimentation

Low-impact development standards



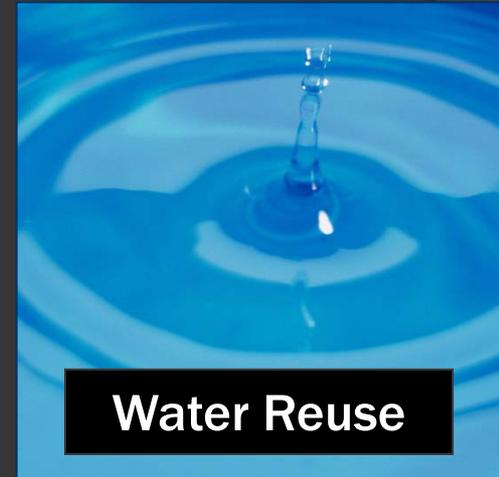
Require new development to cluster for fire protection

Partner with health groups to identify risks

Changes in crop selection, patterns, and practices

Ecotourism

Climate Adaptation Strategies



Source: Brendan Reed, City of Chula Vista

Use what you have!

- General/Comprehensive Plans
- Climate Action Plan
- Sustainable Community Strategy
- Regional Transportation Plan
- Local Hazard Mitigation Plan
- State Implementation Plan
- Integrated Regional Water Management Plan
- Public Health Department
- Environmental Health
- Office of Emergency Services
- Planning and Building Regulations and Requirements



Zoom In

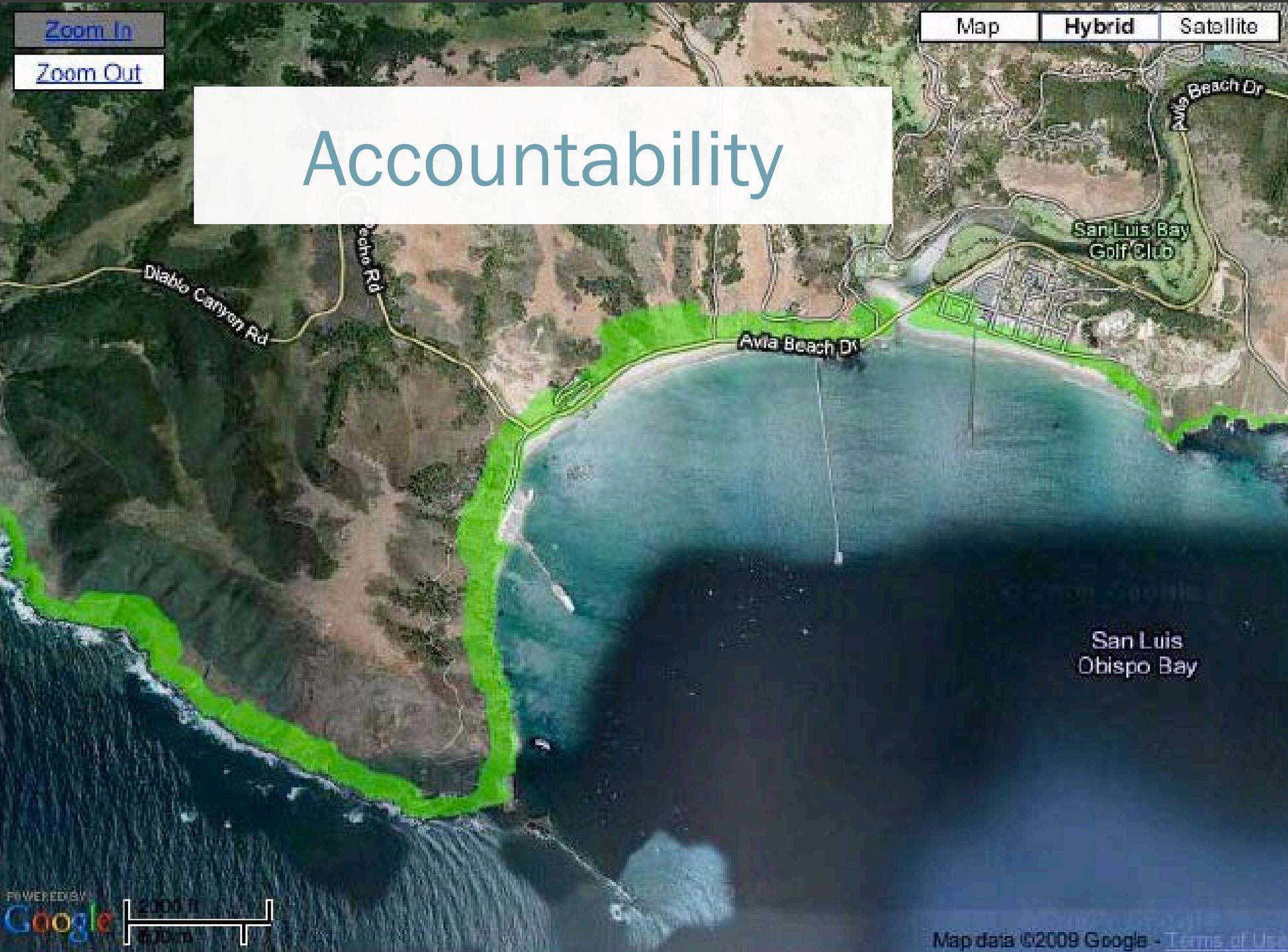
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Accountability



City of Berkeley- Tracking

Goal: Make Berkeley resilient to the impacts of climate change

Strategies included in the Climate Action Plan to achieve this goal include:

- Prepare for the impacts of climate change on the region's water supply by encouraging [rainwater recycling](#) and [graywater](#) use through development of outreach materials and local guidelines;
- In preparation for rising sea-levels and more severe storms, take steps to reduce property and ecosystem damage associated with flooding and coastal erosion;
- Mitigate increasing extreme heat events by protecting and increasing [urban tree cover](#).

Performance Metric	Key Takeaway	Trend
Annual net tree gain (pdf)	Added 4,711 street and park trees since 2000	On target
Annual water consumption (pdf)	22% less household water consumption since 2000	No target specified

Status Update	Graywater and rainwater harvesting (pdf)
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Check out other [Climate Action Plan core strategies & goals](#):



[Transportation & Land Use](#)



[Waste & Recycling](#)



[Community Outreach](#)



[Building Energy Use](#)

Zoom In

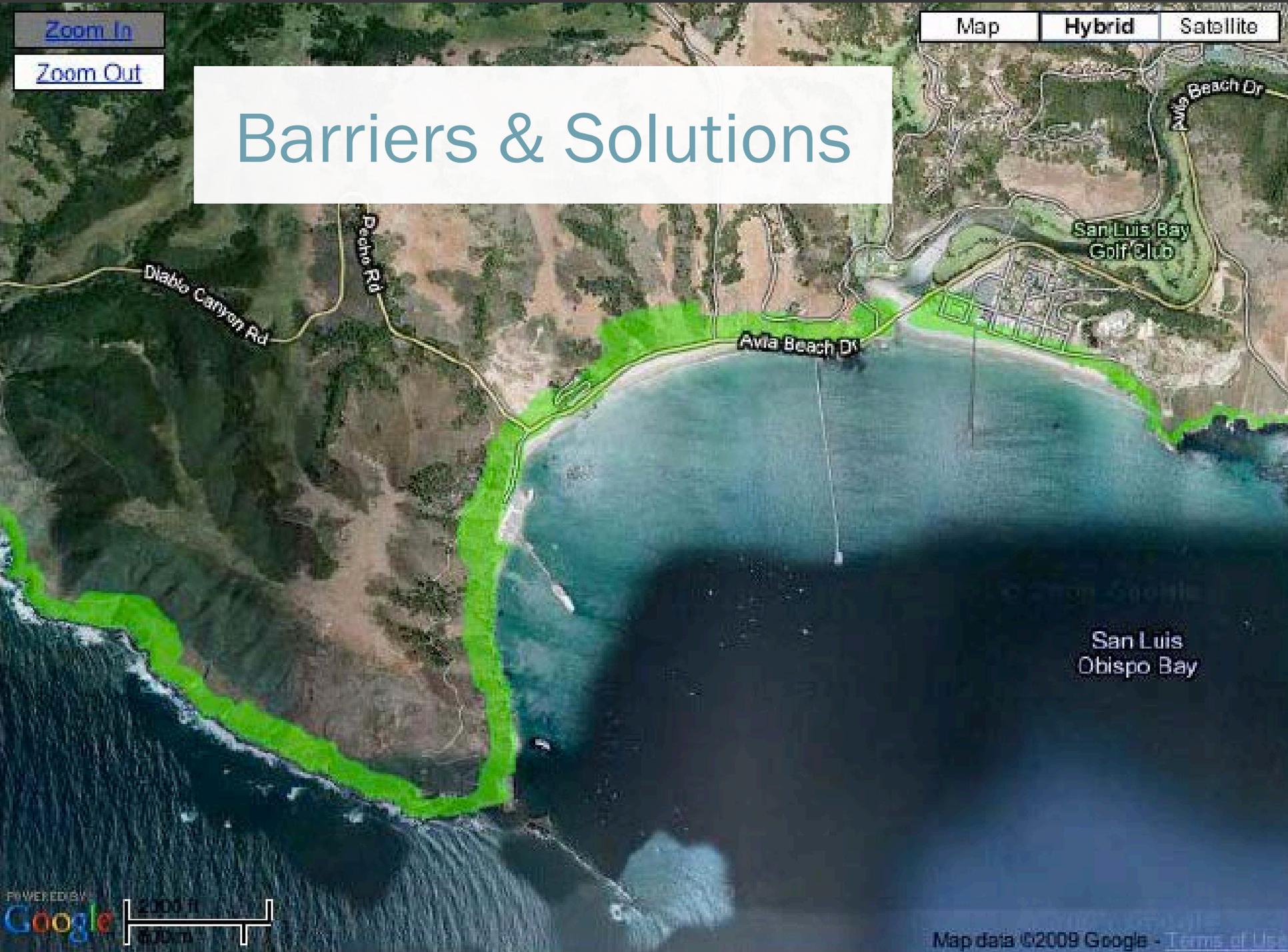
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Barriers & Solutions



Barriers & Solutions

Political Climate

- Identify local champions
- Data- climate impacts & vulnerabilities
- Frame it right
- Build partnerships

Local Budget Constraints

- Build on current opportunities
- Utilize free resources
- Phase implementation



For More Information:

Kate Meis: kmeis@lgc.org

916-448-1198x305

www.lgc.org/adaptation/slo

www.lgc.org/adaptation/fresno

