



CLIMATE SCIENCE SYMPOSIUM FOR THE NORTH COAST REGION

December 13 - 14, 2018

Sequoia Conference Center, 901 Myrtle Avenue, Eureka, CA

Workshop Description:

California’s Climate Change Assessments contribute to the scientific foundation for understanding climate-related vulnerability at the local scale and informing resilience action, while also supporting State policies, plans, and programs to safeguard California from climate change. The Fourth Assessment includes reports for nine regions of the state, including climate impacts and adaptation solutions for the North Coast Region. This public workshop will share findings from the Fourth Assessment and provide an opportunity for interactive dialogue and information sharing to support local climate change action. The objectives of the workshop are to:

HOSTED BY



IN PARTNERSHIP WITH



- Share information and outcomes from the Fourth Climate Assessment as well as other local government, Tribal, state, federal and academic climate change information resources
- Identify opportunities to align and leverage state climate objectives with local funding needs
- Gather input from stakeholders on knowledge gaps, capacity limitations, and other barriers to climate action
- Share tools available to assist local communities in understanding climate vulnerabilities, achieving regulatory compliance, and improving grant competitiveness. Elicit feedback on those tools, as well as additional resources needed to make climate science and planning resources actionable

CLIMATE SCIENCE SYMPOSIUM FOR THE NORTH COAST REGION

DAY ONE – December 13, 2018

8:30 Registration and Continental Breakfast

9:30 Tribal Welcome

Jason Ramos, Blue Lake Rancheria Tribal Council

9:40 Introductions and Overview of the Workshop

*Nuin-Tara Key, Governor's Office of Planning and Research
Ted Grantham, University of California, Berkeley*

SESSION 1: ASSESSING CLIMATE CHANGE VULNERABILITY IN THE NORTH COAST REGION

Goal: Share information and outcomes from the Fourth Climate Assessment as well as other local government, Tribal, state, federal and academic climate change information resources.

9:55 Overview of California's Fourth Climate Assessment

Leah Fisher, Strategic Growth Council

10:15 Highlights of the Fourth Assessment and Panel Discussion

*Moderator: Nuin-Tara Key, Governor's Office of Planning and Research
Ted Grantham, University of California, Berkeley
Jana Ganion, Blue Lake Rancheria
Jenn Phillips, Governor's Office of Planning and Research
Aldaron Laird, Trinity Associates
Lenya Quinn-Davidson, Humboldt County U.C. Cooperative Extension*

12:00 LUNCH (provided)

SESSION 2: FUNDING TOOLS AND STRATEGIES FOR ADVANCING REGIONAL CLIMATE ACTION

Goal: Describe state funding opportunities and strategies to build climate resilience at the local level, from pre-disaster planning to disaster recovery. Identify opportunities to align and leverage state climate objectives with local funding needs.

1:00 North Coast Resource Partnership: Data, Science and Policy for Climate Action

*Trinity County Supervisor Judy Morris, North Coast Resource Partnership (NCRP)
Leaf Hillman, NCRP Vice-chair, Karuk Tribe
Karen Gaffney, West Coast Watershed*

1:30 Funding Opportunities and Strategies Panel Discussion

*Moderator: Louise Bedsworth, Strategic Growth Council
Lisa Hillman, Pikeyav Field Institute, Karuk Tribe
Chris Larson, New Island Capital
David Loya, City of Arcata*

2:30 Break

SESSION 3: INFORMATION GAPS AND BARRIERS TO CLIMATE ADAPTATION

Goal: Identify the technical, financial, and capacity-related barriers that are hindering local climate action. Identify strategies and opportunities to overcome those barriers.

2:45 Interactive Break-Out Sessions
[see Interactive Break-Out Session instructions]

4:45 Closing Remarks
Nuin-Tara Key, Governor's Office of Planning and Research
Ted Grantham, University of California, Berkeley

5:00 Adjourn

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DAY TWO – December 14, 2018

SESSION 4: CLIMATE CHANGE INFORMATION RESOURCES AND ADAPTATION TOOLS

Goal: Share tools available to assist local communities in understanding climate vulnerabilities, achieving regulatory compliance and improving grant competitiveness. Solicit feedback on those tools, as well as additional resources needed to make climate assessment research actionable.

8:30 Continental Breakfast

9:00 Welcome and Session Overview
Nuin-Tara Key, Governor's Office of Planning and Research
Ted Grantham, University of California, Berkeley

9:30 CONCURRENT SESSIONS

CONCURRENT SESSION A: TECHNICAL TOOLS AND RESOURCES

9:30 Cal-Adapt: Linking Climate Science with Practitioner Need
Nancy Thomas, University of California, Berkeley Geospatial Innovation Facility

[Cal-Adapt](#) is an interactive, publicly accessible web-based application providing easy-to-understand visualizations of locally relevant climate-related risks. This session will describe the development of Cal-Adapt, introduce the new data and features, and provide examples of how it has been used to aid resilience planning and policy in California. The session will also provide an opportunity for interactive dialogue and information sharing on how Cal-Adapt could be further improved to meet stakeholder needs.

10:30 Break

10:45 Local Data and Resources from the North Coast Resource Partnership

Mark Tukman, Tukman Geospatial

John Nickerson, Dogwood Forestry & Climate Action Reserve

Lisa Micheli, Pepperwood Preserve (invited)

The North Coast Resource Partnership regularly develops science-based assessments and plans that fill data gaps in the region and reflect the shared goals, strategies and priorities for the North Coast Region. Data, maps and modelling output will be presented to illustrate the North Coast's resources and challenges presented by a changing climate including fire history, reduced snowpack, warming temperatures, and forest conditions.

11:15 Webinar: Understanding Sea Level Rise with the Coastal Storm Modeling System

Juliette Finzi-Hart, U.S. Geological Survey

USGS is expanding its Coastal Storm Modeling System (CoSMoS) to the North Coast from Pt. Arena to the CA/OR border. CoSMoS projects future shoreline change to beaches and cliffs and flood projections from both sea level rise and coastal storms. During this session, Juliette Hart will provide an overview of the modeling behind CoSMoS and its incorporation into online tools to support coastal planning, including Our Coast Our Future (OCOF), developed by Point Blue Conservation Science) and the Hazards Exposure Reporting and Analytics (HERA).

CONCURRENT SESSION B: ADAPTATION PLANNING RESOURCES

9:30 California's Adaptation Planning Guide Introduction and Discussion

Sarah Risher & Adam Sutkus, Governor's Office of Emergency Services

The [Adaptation Planning Guide](#) (APG) is a set of four complementary documents created to help local jurisdictions address hazards exacerbated by climate change. Due to the emergence of new climate science and development within the adaptation space, the APG is being updated to include the latest information and tools to further assist jurisdictions implement region-specific climate strategies. This session will introduce the APG and facilitate dialogue around ways in which the APG can be tailored to meet local and regional climate adaptation planning needs.

10:30 Break

10:45 California's Adaptation Clearinghouse

Nuin-Tara Key, Governor's Office of Planning and Research

The California Adaptation Clearinghouse is a centralized source of information and resources to assist decision-makers at the state, tribal, regional, and local levels when planning for and implementing climate adaptation and resiliency efforts. The Adaptation Clearinghouse offers a searchable database of adaptation and resilience resources and provides a platform to share and access case studies and stories that showcase how communities, businesses, and organizations across the state are responding to climate change impacts.

11:15 Coastal Plan Alignment Compass

Nuin-Tara Key, Governor's Office of Planning and Research

Communities have many plans that help them manage their community's assets and resources, while also helping the community to achieve its climate mitigation and adaptation goals. The Coastal Plan Alignment Compass provides an overview of the required elements and best practices for preparing and coordinating local coastal programs, local hazard mitigation plans, climate adaptation plans and general plans; discusses how to leverage vulnerability assessments; and identifies crosswalk opportunities and common tricky pitfalls to avoid. The Coastal Plan Alignment Compass was developed through a multi-agency partnership comprised of NOAA's Office for Coastal Management, USGS, FEMA, California Coastal Commission, the Ocean Protection Council, the Governor's Office of Emergency Services, the Governor's Office of Planning and Research, and the State Coastal Conservancy.

11:50 Workshop Closing Remarks

*Nuin-Tara Key, Governor's Office of Planning and Research
Ted Grantham, University of California, Berkeley*

12:00 Lunch (provided) and Workshop Evaluation

1:00 Workshop Ends