



# CAF

## California Adaptation Forum

August 28-29, 2018 • Sacramento, California

The California Adaptation Forum is presented by the Local Government Commission in partnership with the State of California.



# Program Overview

- 01 Welcome
- 02 Schedule at a Glance
- 04 Session Tracks
- 06 Monday Events
- 10 Tuesday Events
- 24 Wednesday Events
- 34 Sponsors
- 36 Promotional Partners
- 37 A Green Event
- 37 Art@CAF
- 39 Acknowledgments

## Forum Organizer

### Local Government Commission

The Local Government Commission (LGC) is a nationally recognized non-profit organization with a rich history of connecting leaders, advancing policies and implementing solutions for sustainable communities. For the last 35 years, the LGC has been at the forefront – identifying promising approaches and fostering persuasive models that can be replicated and used to inform public policy.

For more information about the Local Government Commission, please visit:

[lgc.org](http://lgc.org)



# Leadership in an Era of Climate Change

## Thank you for participating in the third biennial California Adaptation Forum.

The stakes are high: the urgency of this ongoing conversation could not be more clear as our state continues to suffer from unprecedented – and seemingly unending – wildfires.

Despite our globally recognized leadership on emission reductions, California is facing climate impacts - bigger fires, increasing heat waves, rising seas, severe storms and floods — that are expected to only become more frequent and more damaging in the coming years.

These climate impacts are already affecting the health and future of California’s diverse population, renowned natural resources and its world-class economy. A coordinated and comprehensive

response across all sectors and levels of leadership will be needed to protect our Golden State and ensure sustained prosperity for all of us – that is the goal of our third biennial California Adaptation Forum.

This year, the Forum will focus on critical issues including: Social Justice and Equitable Adaptation, Policymaking in an Age of Climate Risk, Strategies for Investing in Resilience and Maintaining Climate Leadership under the next Governor.

We take pride in – and benefit from – the diverse people and places that make up our California communities. By taking proactive steps now to adapt to climate change, we can build stronger, more equitable communities, protect our most vital resources, and position Californians for a prosperous, equitable future.



**Kate Meis**  
Executive Director, Local Government Commission



## California, Leading the Way

California leads the world in actions to combat climate change by reducing greenhouse gas pollution, but we also need to prepare for the impacts of climate change that we cannot avoid. Scientists have clearly established links between climate change and more frequent and severe weather events such as larger storms, increased flooding, more and increasingly intense wildfires, longer droughts and sustained water shortages.

By working together, government, local communities, businesses and residents can decrease the negative impacts of natural disasters and extreme weather events. As leaders throughout the state dealing

with the challenge of climate change, you have an instrumental role in moving the issue from discussion to implementation.

The Safeguarding California plan and active engagement at all levels of government underscore that leadership from California practitioners is needed now more than ever.

Thank you for being a part of this week’s conversation at the California Adaptation Forum. We look forward to continuing the conversation at the Global Climate Action Summit in San Francisco in September and at future events and workshops.



**Ken Alex**  
Senior Policy Advisor to the Governor and Director, Governor’s Office of Planning and Research



## Monday, August 27

9:00 AM – 12:00 PM	Kickoff Workshops	<i>Descriptions and locations begin on page 6</i>
12:00 PM – 1:00 PM	Networking Lunch	Ballroom
12:10 - 12:30 AM	Tool Demos	<i>Descriptions and locations begin on page 8</i>
1:00 PM – 5:00 PM	Fourth Assessment Summary Reports: Catalyzing Regional Action	
5:30 PM – 6:30 PM	SABA Fun Ride	
7:00 PM – 8:30 PM	Adaptation Pub Trivia	de Veres Irish Pub

## Tuesday, August 28

7:00 – 8:00 AM	Networking Breakfast	Ballroom
7:25 - 7:45 AM	Tool Demo	<i>Descriptions and locations begin on page 10</i>
8:00 – 10:00 AM	<b>Forum Welcome and Plenary:</b> Social Justice and Equitable Adaptation: A Better Climate for Thriving Together	Ballroom
10:00 – 10:15 AM	Networking Break	
10:15 – 11:30 AM	<a href="#">Session Block A: Context Setting &amp; Emerging Trends</a>	<i>Descriptions and locations begin on page 11</i>
11:30 – 11:45 AM	Networking Break	
11:45 AM – 12:35 PM	<b>Plenary:</b> Building Blocks for an Uncertain Tomorrow: Policymaking in an Age of Climate Risk	Ballroom
12:35 – 1:25 PM	Networking Lunch	Ballroom
12:45 – 1:25 PM	Tool Demos	<i>Descriptions and locations begin on page 15</i>

1:25 – 2:40 PM

[Session Block B: Model Projects & Approaches](#)*Descriptions and locations begin on page 16*

2:40 – 2:55 PM

Networking Break

2:55 – 4:10 PM

[Session Block C: Model Projects & Approaches](#)*Descriptions and locations begin on page 18*

4:10 – 4:25 PM

Networking Break

4:25 – 5:40 PM

[Session Block D: Financing, Funding & Tools](#)*Descriptions and locations begin on page 21*

5:40 – 6:00 PM

Networking Break

6:00 – 7:30 PM

Hosted Networking Reception

7:30 – 9:00 PM

Evening Networking Activities

## Wednesday, August 29

7:30 – 8:30 AM	Networking Breakfast	Ballroom
7:40 – 8:00 AM	Tool Demo	Tofanelli
8:00 – 9:15 AM	Network Meetings	<i>Descriptions and locations begin on page 25</i>
9:15 – 9:30 AM	Networking Break	
9:30 – 10:45 AM	<a href="#">Session Block E: Towards Implementation</a>	<i>Descriptions and locations begin on page 26</i>
10:45 – 11:00 AM	Networking Break	
11:00 – 11:15 AM	2018 California Regional Adaptation Leadership Award (RALA) Presentation	
11:15 AM – 12:15 PM	<b>Plenary:</b> Investing in Resilience: Who Should Pay, and How?	Ballroom
12:30 – 1:30 PM	Networking Lunch	Ballroom
1:30 – 4:30 PM	<a href="#">Adaptation Accelerators</a>	<i>Descriptions and locations begin on page 31</i>

## AICP Credits

We have received continuing education credits for AICP planners for all of the Forum sessions. The session blocks are marked in the program with "CM #" with the number of credits indicated for each session within the block. AICP members may earn certificate maintenance credits by attending accredited sessions and self-reporting their attendance at [planning.org/cm](http://planning.org/cm) (log in with your member ID and password).



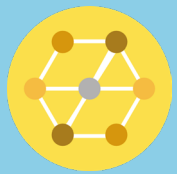
## Forging Powerful Partnerships for Resilience

The impacts of climate change are not limited by traditional boundaries. Collaboration is critical in addressing impacts in a holistic manner. This session will explore successful partnerships that are addressing climate adaptation across the state. Participants will end the conference with tangible next steps on how to expand partnerships in their region.



## Grounding Adaptation in Community Engagement

People are increasingly aware of – and alarmed about – climate-related impacts in their communities. This growing awareness provides opportunities to educate, include, and motivate stakeholders and residents to join in local solutions. Learn how to employ the arts and sciences of effective communications and engagement to elevate participation and improve effectiveness.



## Creating Pathways for Social Resilience

This track highlights the importance of personal, psychological, and social resilience, and building resilience from climate traumas. Sessions range from community-driven climate resilience planning case studies, lessons learned from last year's wildfires and extreme heat, and personal stories, resources, and tools for psychological resilience and preserving cultural networks.



## Taking Action Under Uncertainty

Participants in this track will learn about approaches and solutions that embrace uncertainty and enable action by engaging in hard conversations about how to deal with the uncertain outcomes of adaptation action. Participants will leave with new tools and inspiration for framing uncertain future conditions to accelerate resilience-building efforts.



## Transforming the Governance Paradigm



This track will explore different approaches for adapting to a range of climate impacts (e.g., wildfires and flooding) and legal strategies for implementation. Participants will engage in discussions on how to navigate policy, legal, and financial barriers to adaptation and will identify effective strategies for advancing critical adaptation efforts.

## Investing in Climate-Smart Infrastructure



Climate change is threatening the infrastructure upon which all Californians depend for water, power, mobility, and other core services. Sessions in this track will survey the most pressing climate risks, as well as a range of innovative solutions for safeguarding and improving the resilience of critical infrastructure.

## Integrating Solutions for the Built Environment



This track explores integrated approaches to assess systemic climate vulnerabilities and impacts across critical infrastructure (e.g. water, energy, transportation), human communities and the natural environment, and highlights actions that local jurisdictions are taking to advance climate resilience across key sectors that leverage synergies and manage tradeoffs.

## Enhancing Natural and Working Lands Resilience



This track will demonstrate the critical role that natural and working lands play in adaptation, carbon sequestration, and land conservation. Sessions will highlight effective policy and on-the-ground examples of how natural and working lands reduce risk to California's communities while protecting its natural resources.

## MONDAY, AUGUST 27

9:00 AM – 12:00 PM Kickoff Workshops

**Tribal Community Resilience – How Traditional Knowledges and Resilience Go Together** Beavis

This interactive pre-forum workshop provides an opportunity for tribal members, tribal staff, tribal partners, and adaptation practitioners interested in engaging in tribal adaptation to come together and discuss the value of and barriers to including Traditional Knowledges (TK) in efforts to enhance community resilience. The workshop will start with an interactive discussion of the opportunities and challenges of including TK in resilience efforts. A short panel of tribal staff will share their experiences in using TK to guide and inform planning and answer questions such as: What worked? What didn't work and why? What could be improved? Participants will also learn about a new Tribal Adaptation Guidebook. The workshop will end with a large group discussion. Don't miss this excellent opportunity to meet and connect with other tribal members prior to the Forum.

- ◆ **Moderator: Sascha Petersen** | Director, Adaptation International (moderator)
- ◆ **Dore Bietz** | Planner/Emergency Manager, Tuolumne Band of Me-Wuk Indians
- ◆ **Morning Star Gali** | Community Organizer, Tribal Engagement, Sacred Places Institute for Indigenous Peoples
- ◆ **Kenneth Holbrook** | Executive Director, Maidu Summit Consortium

**Exploring Success Stories of Equitable Climate Adaptation Work** Camellia

This workshop will start with an introduction to why climate justice is necessary through the examination of the historical inequities across California and the Just Transition values and principles that grounds the work towards equitable community-driven climate adaptation, elevating the interconnectedness between climate adaptation and broader climate resilience. Participants will then review case studies where different principles from equitable climate adaptation are highlighted. These may include community-driven planning in the Bay Area, SB-1000 and SB-379, Oxnard, affordable drinking water report, air pollution in the Central Valley, and 2017 Climate Justice Working Group recommendations. Facilitators will guide small group discussions around challenges and gaps in these case studies. Each group will identify the main principles in the case study and how it could be applied in current projects that participants are working on. Participants should leave the workshop with principles and values for equitable climate adaptation to carry forward into CAF.

- ◆ **Moderator: Gladys Limon** | Executive Director, California Environmental Justice Alliance (moderator)
- ◆ **Brian Beveridge** | Co-Director, West Oakland Environmental Indicators Project
- ◆ **Caroline Farrell** | Executive Director, The Center for Race, Poverty, and the Environment
- ◆ **Elizabeth "Izzy" Martin** | CEO, The Sierra Fund
- ◆ **Carl Anthony** | Co-Founder, Breakthrough Communities
- ◆ **Ameé Raval** | Policy & Research Associate, Asian Pacific Environmental Network
- ◆ **Corrine Van Hook-Turner** | Program Manager, Movement Strategy Center
- ◆ **Hoi-Fei Mok** | Program Officer, ICLEI
- ◆ **Samuel Diaz** | Program Manager, Resources Legacy Fund
- ◆ **Jonathan Kusel** | Executive Director, Sierra Institute for Community and Environment
- ◆ **Lucas Zucker** | Policy and Communications Director, Central Coast Alliance United for a Sustainable Economy (CAUSE)

**Addressing Urban Heat: A Workshop for Practitioners** Bataglieri

Is your community working to address extreme heat and the urban heat island effect? Curious about strategies, approaches, policies, and programs that other communities are developing? Come and learn from your fellow urban heat island practitioners from around the state, as we come together to share projects and strategies, exchange ideas, and troubleshoot challenges, with the goal of furthering local efforts to mitigate the urban heat island effect, maximize co-benefits, protect public health, and increase

community and social resilience for the vulnerable and under-served. This workshop will be driven by participant discussion and peer learning, but opening speakers working across state will help frame the discussion. By the end of the workshop, attendees will gain insights, spark new ideas, and start to build a network of colleagues around the state.

- ◆ **Shelley Jiang** | Climate Change Coordinator, Sacramento Metropolitan Air Quality Management District
- ◆ **Michael McCormick** | Senior Planning Advisor, Governor's Office of Planning and Research
- ◆ **Jonathan Parfrey** | Executive Director, Climate Resolve
- ◆ **Vincent Chen** | Business Development, Jupiter Intelligence

**Climate Action for Conservation** Tofanelli

This workshop will present and demo a decision-support tool and accounting framework to assess the climate and the multiple benefits that may be achieved through a variety of land use, land management and conservation activities. This framework can inform land use decisions by identifying potential greenhouse gas (GHG) reductions and other associated co-benefits at the county level. Participants will learn about the project's geospatial assessment of multiple benefits, such as climate resilience. This assessment is integrated with a GHG accounting framework to help counties, land managers, and others better understand opportunities to achieve these benefits across croplands, rangelands, open space and urban forests. It includes an inventory and baseline for below and above-ground carbon, as well as other GHGs related to land management. This information is included in the decision-support tool that enables a county-wide assessment of benefits that could be achieved through land management and conservation practices.

- ◆ **Moderator: Michelle Passero** | Senior Climate Policy Analyst, The Nature Conservancy (moderator)
- ◆ **Mark Tukman** | Principal, Tukman Geospatial
- ◆ **Karen Gaffney** | Conservation Planning Program Manager, Sonoma County Agricultural Preservation and Open Space District
- ◆ **Jeff Onstead** | Chief Science Adviser, CA Department of Conservation
- ◆ **Nate Roth** | GIS Coordinator, CA Department of Conservation
- ◆ **John Nickerson** | Forester, Climate Action Reserve
- ◆ **Steve Maxey** | Deputy Director of Planning, Merced County

**Sea-Level Rise Adaptation: Understanding the Science, Regulatory Frameworks and Resources Climate Action for Conservation** Gardenia

This workshop will provide an overview of the latest sea-level rise science, guidance, tools and resources. The workshop will start with an introduction to the best available science for sea-level rise in California and the recently updated State of California Sea-Level Rise Guidance from the Ocean Protection Council. This will be followed by a presentation that expands upon the adaptation pathways concept from the Guidance, a discussion with state coastal agencies on implementation of the Guidance, and Q&A. The workshop will then transition to focus on tools and resources, starting with a multi-agency demonstration of the coastal plan alignment tool, which assists local jurisdictions with doing a cross-walk among local coastal programs, general plan safety elements, local hazard mitigation plans and climate adaptation plans. Finally, participants will learn about the Adaptation Clearinghouse, focusing on sea-level resources, and a range of available sea-level rise mapping tools.

- ◆ **Moderator: Tinya Hoang** | Climate Change Program Manager, Ocean Protection Council (OPC)
- ◆ **Deborah Halberstadt** | Executive Director, OPC
- ◆ **Robert Lempert** | Principal Researcher, RAND Corporation
- ◆ **Kelsey Ducklow** | LCP Grant Coordinator and Climate Change Analyst, Coastal Commission
- ◆ **Erik Buehmann** | Chief of Federal Consistency and Permits, San Francisco Bay Conservation and Development Commission (BCDC)
- ◆ **Maren Farnum** | Environmental Scientist, State Lands Commission
- ◆ **Rebecca Lunde** | West Coast Regional Coordinator, NOAA Office for Coastal Management
- ◆ **Juliette Finzi Hart** | Oceanographer | U.S. Geological Survey
- ◆ **Victoria LaMar-Haas** | Senior Emergency Services Coordinator, California Office of Emergency Services (Cal OES)
- ◆ **Megan Walton** | Senior Emergency Services Coordinator, OES

- ◆ **Jesse Carpentier** | Community Planner, Federal Emergency Management Agency Region IX
- ◆ **Michael McCormick** | Senior Planning Advisor, Governor's Office of Planning and Research (OPR)
- ◆ **Nuin-Tara Key** | Resilience Program Manager, OPR
- ◆ **Melissa Rosa** | Baldwin Group Inc., NOAA Office for Coastal Management, West Coast Regional Office

- ◆ **Maya Hayden** | Coastal Adaptation Program Leader, Point Blue Conservation Science
- ◆ **Nancy Thomas** | Executive Director, Geospatial Innovation Facility, UC Berkeley
- ◆ **Eliza Berry** | Coastal Planner, BCDC
- ◆ **Todd Hallenbeck** | GIS Specialist, BCDC

### Enhancing Energy System Climate Resilience

Bondi

This interactive workshop combines technical panels and group discussions that blend adaptation practitioners, from energy utilities and local governments to community advocates, tribal leaders, and regulators. The session will focus on addressing how disasters and extreme weather events are increasing in frequency and magnitude, which poses a significant challenge for local government infrastructure providers that play a critical role in providing essential services during and after incidents. The workshop will also include an in-depth discussion of the critical adaptation policy developments emerging at a state level, and provide an interactive space for participants to provide both feedback and analysis of these policies.

- ◆ **Mayor Chris Coursey** | City of Santa Rosa
- ◆ **Commissioner Karen Douglas** | California Energy Commission
- ◆ **Jennifer Pearce** | Senior Manager, Hazard Analytics and Mitigation Programs, Business Resiliency Department, Southern California Edison
- ◆ **Judsen Bruzgul** | Principal, ICF
- ◆ **Karalee Brown** | Program Manager, Sustainable Communities, Institute for Local Government
- ◆ **Robert Kay** | Principal, Climate Change, ICF

### Equity Considerations for Water & Land Use Integration

Carr

The purpose of this workshop is to strategize best practices and opportunities to more effectively incorporate equity considerations into water and land use integration efforts. LGC is currently conducting a situation analysis on water and land use integration on behalf of the Community Foundation Water Initiative. Through this project, we are: evaluating the extent to which water and land use are currently integrated across the state; identifying opportunities to improve integration; and recommending ways local leaders can support these efforts. During this focus group-style workshop, participants will explore preliminary results, provide feedback on how to serve communities facing disadvantages, explore opportunities for advancing integration, and develop priorities for action. By identifying the most ambitious and achievable strategies for improving water and land use integration, we can help advance the status of both best practice and implementation.

- ◆ **Moderator: Meredith Thompson** | Water Project Manager, Local Government Commission
- ◆ **Atley Keller** | Water Project Associate, Local Government Commission
- ◆ **Zachary McRae** | Program Associate, San Francisco Foundation
- ◆ **Remy Goldsmith** | Senior Community Leadership Officer, Silicon Valley Community Foundation
- ◆ **Sarah Moffatt** | Director of External Affairs, Central Valley Community Foundation
- ◆ **Francisco Covarrubias** | Executive Assistant to the Vice President (and Associate, Health & Housing Program), California Community Foundation
- ◆ **Nicola Hedge** | Director, Environment Initiatives, San Diego Foundation

<b>12:00 – 1:00 PM</b>	<b>Networking Lunch</b>	<b>Room</b>
	<b>Tool Demo</b>	

### Climate Ready Communities

Tofanelli

#### 12:10 – 12:30 PM

Climate Ready Communities is an assisted do-it-yourself program that supports leaders of small to medium sized communities who want to build climate resilience, but do not have the financial resources to hire a

consultant or the technical capacity to do it entirely on their own. Communities in the program benefit from the following climate resilience support: a free, comprehensive guide – A Practical Guide to Developing Climate Resilience; an affordable, companion subscription service that provides assistance in the form of templates, online tutorials, consulting time, and monthly, live support webinars; and add-on services, including climate change projections, workshop facilitation, and additional blocks of consulting hours. Climate Ready Communities is a program of the Geos Institute's ClimateWise® initiative. To learn more, please visit [climatereadycommunities.org](http://climatereadycommunities.org).

### California Emergency Response Infrastructure Climate Vulnerability Tool

Bataglieri

#### 12:30 – 12:50 PM



RAND Corporation's California Emergency Response Infrastructure Climate Vulnerability Tool (CERI-Climate) is an interactive tool that combines a database of California critical emergency response infrastructure with projected flood and wildfire hazard footprints to examine the exposure and associated impacts to infrastructure statewide from these hazards. The database contains over 600 assets, such as emergency services and health care facilities. Outputs include maps and tables describing facility exposures, flood and fire risks, property damage estimates from flooding, and estimates of operational disruption. The tool allows users to examine a range of conditions spanning different emissions scenarios, climate models, hazard severity, and other factors in 20-year time intervals through the year 2100. The tool also provides the ability to examine results for particular facility types, specific counties, and for facilities located in disadvantaged communities.

<b>8:00 – 8:20 AM</b>	<b>California's Fourth Climate Change Assessment: Catalyzing Local and Regional Action</b>	<b>Tofanelli</b>
-----------------------	--------------------------------------------------------------------------------------------	------------------



In this interactive workshop on California's Fourth Climate Change Assessment, CAF participants strategize with peers on how to catalyze local and regional adaptation to climate change through discussions with leading climate scientists and stakeholders about the State's cutting-edge action-oriented research. The workshop will focus on thirteen new summary reports that synthesize findings

from the Fourth Assessment's 44 technical reports with other cutting-edge research. In addition to the Statewide Summary Report, workshop attendees will learn about and discuss key relevant findings for 9 regions, California's ocean and coasts, tribal and indigenous communities in the state, and the issue of climate justice. This lively session will mix speaker presentations, panel discussions, and small group rounds for you to interact directly with researchers, report authors, and stakeholders. Don't miss this opportunity to learn and strategize about using brand new climate research to make your community more resilient to climate change!

- ◆ **John Laird** | Secretary, California Natural Resources Agency
- ◆ **Robert Weisenmiller** | Chair, California Energy Commission
- ◆ **Louise Bedsworth** | Executive Director, Strategic Growth Council
- ◆ **Bruce Riordan**
- ◆ **Alex Hall** | CLA:LA
- ◆ **Julie Kalansky** | CLA: SD
- ◆ **Ted Grantham** | CLA: North Coast
- ◆ **David Ackerly** | CLA: SF
- ◆ **Ruth Landgridge** | CLA: Central Coast
- ◆ **Ben Houlton** | CLA: Sacramento Valley
- ◆ **Francesca Hopkins** | CLA: Inland Deserts
- ◆ **Michael Dettinger** | CLA: Sierra Nevada
- ◆ **LeRoy Westerling** | CLA: SJV
- ◆ **Nuin-Tara Key** | Resilience Program Manager, Governor's Office of Planning and Research
- ◆ **Gary Griggs** | Author, Oceans and Coasts
- ◆ **Sona Mohnot** | Stakeholder, Climate Justice
- ◆ **Stephanie Lucero** | Facilitator, Tribal Communities

5:30 – 6:30 PM

SABA Fun Ride

Grab your bike, or rent a JUMP bike, and join the Sacramento Area Bicycle Advocates (SABA) for a fun ride! While this will be a very casual ride (without any talks), you'll get the chance to ride Sacramento's newest protected bike lanes!

7:00 – 8:30 PM

Adaptation Pub Trivia

de Veres Irish Pub

Time to show off all that you've learned! Join climate-adaptation gurus (and novices too) from across the state to De Vere's pub to eat, drink and test your climate knowledge! This popular event will sell out, so don't delay, register today! Participants will receive one free drink ticket and a chance to win a spectacular California Adaptation Forum Trivia Master Mystery Prize! So, gather up a team of two to six adaptation pundits and prepare to show climate change what it's up against!

## TUESDAY, AUGUST 28

7:00 – 8:00 AM

Networking Breakfast

Ballroom

Tool Demo

### Adaptation Clearinghouse

Tofanelli

7:25 – 7:45 AM

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 across California. The Adaptation Clearinghouse allows you to navigate a searchable database of adaptation and resilience resources, curated by climate impact, topic, and region. Importantly, the Adaptation Clearinghouse also 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.

8:00 – 8:30 AM

Forum Welcome

Ballroom

Welcome to the 3rd California Adaptation Forum! Climate adaptation and community resilience are emerging fields that necessitate knowledge exchange, cross-sector collaboration, and innovative thinking. The Local Government Commission and the State of California are excited to welcome the adaptation community back to Sacramento, and we extend our deepest thanks to each of you for taking the time to join us for this important gathering!

◆ **Kate Meis** | Executive Director, Local Government Commission

◆ **Steve Hansen** | Councilmember, City of Sacramento (invited)

◆ **Ken Alex** | Director, Governor's Office of Planning and Research

8:30 – 10:00 AM

Plenary

Ballroom

### Social Justice and Equitable Adaptation: A Better Climate for Thriving Together

Climate change is already exacerbating race and class inequities that affect the prosperity, security and well-being of our families, neighborhoods and cities. These gaps will only widen unless our actions to address climate-change impacts put equity at the forefront. The opening of the 2018 California Adaptation Forum will feature faith, community and tribal leaders tackling climate gentrification, social resilience and equitable economic development. This plenary will set the stage for the rest of the Forum by focusing a spotlight on the intersection of class and racial equity with climate resilience and help foster a shared, comprehensive vision for transitioning toward a more equitable and resilient future.

- ◆ **Moderator: Yana Garcia** | Assistant Secretary for Environmental Justice and Tribal Affairs, California Environmental Protection Agency
- ◆ **Christina Snider** | Tribal Advisor, Office of Governor Edmund G. Brown, Jr.

- ◆ **Jacquelyn Dupont-Walker** | President, Ward Economic Development Corporation; and Social
- ◆ **Orson Aguilar** | Executive Director, The Greenlining Institute



10:00 – 10:15 AM

Networking Break

10:15 – 11:30 AM

Session Block A: Context Setting &amp; Emerging Trends

CM 1.25

### Partnerships to Build Resilience along California's Coast and Ocean

Gardenia



Climate change impacts on California's coast and ocean are manifesting in many ways, with consequences for human health, infrastructure, livelihoods, natural systems, communities and cultural heritage. These impacts, alone and in combination, present real threats that necessitate bold, innovative adaptation solutions to build resilience in the face of a changing climate. Development and implementation of effective adaptation strategies requires strong partnerships among local, state and federal agencies, fishermen, scientists, tribes, community members, NGOs and others. This session will be structured around the main themes of the Coast and Ocean report of California's Fourth Climate Change Assessment. This session will highlight how ocean acidification, sea-level rise, harmful algal blooms, and loss of coastal habitat are impacting communities and the natural and built environment, and highlight case studies of partnerships working to identify adaptive solutions. Participants will learn about critical components of successful collaboration and coalition building.

◆ **Moderator: Deborah Halberstadt** | Executive Director, Ocean Protection Council

◆ **Sheridan Enomoto** | Climate and Environmental Justice Community Organizer/Policy Advocate, Greenaction

◆ **Moderator: Liz Whiteman** | Executive Director, Ocean Science Trust

◆ **Sarah Newkirk** | Coastal Strategy Lead, The Nature Conservancy

◆ **Mark Northcross** | Principal, NHA Advisors

### Applying Creative Practice in Resilience Planning

Magnolia



As climate change becomes better understood, a whole new generation of creative thinkers and innovators are finding new ways to communicate about climate change and apply solutions to prepare us for it. This session will present case studies of creative approaches to making communities more resilient. Case studies of new tools that are changing how we navigate climate change at

a global and local level will be presented, including things like resilience plans as comic books, futurist video games, augmented reality apps, maker spaces, and more. When applied in the process of resilience planning, these tools can not only reduce environmental impacts but also facilitate engagement with the political system and be a platform for elevating community voices/building social equity. This session will include case study presentations from NY to the Bay Area, CA, and beyond.

- ◆ **Moderator: Aurash Khawarзад** | Director of Policy, Race Forward
- ◆ **Amee Raval** | Policy & Research Associate, Asia Pacific Environmental Network
- ◆ **Iris M. Crawford** | Climate Justice Fellow, NAACP
- ◆ **Lil Milagro Henriquez** | Executive Director & Founder, Mycelium Youth Network

### What about the people? Stories and Resources for Social Resilience

Compagno



Climate change is already impacting people, communities, and infrastructure, but most of the discussion around resilience has been focused on built and natural infrastructure. What about social infrastructure and the impact that climate change has on individuals, and social cohesion when entire communities are destroyed? This session explores the current state of research and action on the psychological and social impacts of climate change (both acute shocks and chronic stresses) on people and frontline communities while highlighting the importance of personal resilience and preservation of cultural and social resources. Experts who are working in or have personally experienced the psychological and social impacts of climate traumas will share their personal stories, coping strategies, ongoing research, and networks that are helping to enhance personal and community resilience to climate traumas. Speakers range from researchers, tribal community leaders, clinical psychologists, and representatives from organizations that support climate refugees and homeless populations.

- ◆ **Moderator: Emily Wasley** | Director of Corporate Sustainability & Climate Resilience, Cadmus
- ◆ **Dr. Theopia Jackson** | Program Director for the Department of Humanistic & Clinical Psychology, UCSF Benioff Children's Hospital Oakland
- ◆ **Dr. Mike Antos** | Senior Watershed Manager, Santa Ana Watershed Protection Authority
- ◆ **Lil Milagro Henriquez** | Executive Director & Founder, Mycelium Youth Network
- ◆ **Kristen Goodrich** | Coastal Training Program Coordinator, PhD Candidate in Social Ecology, Tijuana River National Estuarine Research Reserve

### Driving Adaptation Action Using Regional Science and Expertise

Beavis



Climate change science uncertainty is often seen as a barrier to action; however, with the right tools, science can help drive decision-making for adaptation actions and investments. This session will highlight approaches to advancing adaptation action using science-based models, scenario planning and thresholds. Panelists will highlight how local scientific experts can be adaptation leaders showcasing a project that teamed ecologists and climatologists to directly inform habitat management and investments and serves as a foundation for engaging with Southwestern tribes on climate resilience actions. The session will also highlight how science-based observations can be used as thresholds or "triggers" for sea level rise adaptation actions, and the significance of community/citizen observations in building community capacity for adaptation.

- ◆ **Moderator: Laura Engeman** | Program Manager, Center for Climate Change Impacts & Adaptation
- ◆ **Amber Pairis** | Director, Climate Science Alliance/Center for Climate Change Impacts & Adaptation
- ◆ **Mark Merrifield** | Director, Center for Climate Change Impacts & Adaptation
- ◆ **Heidi Brow** | Water Resource Specialist, Pala Band of Mission Indians

### Bridging the Boundaries of Water Management Adaptation

Carr



Bridging the Boundaries of Water Management Adaptation is a panel discussion including representatives from different governance structures. The session will begin with a short scientific presentation to set the stage for why water management adaptation is necessary. The panelists will then talk about examples of successful or in-progress cross-jurisdictional partnerships to implement climate adaptation strategies surrounding water management. Speakers will also discuss common issues and corresponding solutions for obstacles in governance, policy, and/or law.

- ◆ **Moderator: Nahal Ghoghaie** | Bay Area Program Manager, The Environmental Justice Coalition for Water
- ◆ **Julie Kalansky** | Post-Doctoral Researcher (Scientist), Scripps Institution of Oceanography, UCSD
- ◆ **Aaron Fukuda** | Tulare Irrigation District, Tulare Irrigation District
- ◆ **Erika Powell** | Flood Resilience Program Manager, San Mateo County
- ◆ **Jeanine Jones** | Interstate Resources Manager, Department of Water Resources

### Infrastructure, Climate, and Equity: Challenges and Opportunities for Resilience

Tofanelli



Climate change in California is already here. The question is whether California's critical infrastructure is ready to handle a future with greater extremes of heat, droughts, floods, wildfires and sea level rise. Infrastructure failure and disruption are on the rise, with enormous costs in human lives and billions of economic losses and property damage. State and local governments and taxpayers are investing billions of dollars in new and upgraded infrastructure in transportation, water, energy, schools, and housing. Will these funds be spent wisely on well-planned projects that integrate the best climate science and resilience strategies? Will investments be prioritized in under-served and vulnerable communities? California is advancing a range of solutions, including the recent Climate-Safe Infrastructure Working Group report, as well as efforts to integrate natural infrastructure into traditional engineering designs. Explore the challenges and opportunities and whether the state's response is adequate for ensuring California is "climate ready."

- ◆ **Moderator: Keali'i Bright** | Deputy Secretary for Energy and Climate, California Natural Resources Agency
- ◆ **Jamesine Rogers Gibson** | Western States Senior Climate Analyst, Union of Concerned Scientists
- ◆ **Chione Flegal** | Senior Director, PolicyLink
- ◆ **Alex Leumer** | Climate Policy Analyst, The Nature Conservancy
- ◆ **Susanne Moser** | Co-Facilitator, CNRA Climate-Safe Infrastructure Working Group

### Integrated Solutions for the Built Environment

Bataglieri



As California faces unprecedented disasters and changing climate patterns, communities will need to make major investments to rebuild and strengthen resilience in the built environment. Whether addressing chronic public health and equity issues, or large scale infrastructure, local projects and programs are being challenged to address and respond to a host of threats while providing multiple benefits. This session will feature practitioners working from different perspectives on the built environment, sharing common challenges, solutions and trends in resilience projects and planning.

- ◆ **Moderator: Arietta Chakos** | Principal, Urban Resilience Strategies (moderator)
- ◆ **Jordanna Rubin** | Director, Resiliency Solutions, APTIM
- ◆ **Melissa Jones** | Executive Director, Bay Area Regional Health Inequities Initiative



## California's Natural and Working Lands: Strategies for Collaboration and Opportunity

Bondi



California's diverse natural and working lands play a critical role in our state's overall climate adaptation and mitigation strategy, while also serving as the backbone to community resilience. From healthy, fresh food to the wide range of benefits that Californians receive from ecosystem services – clean air and water, natural resources, flood control, and more – we must prioritize adaptation solutions for our natural and working lands. This session brings together California's key thought leaders and practitioners to discuss how the natural and working lands sector can be more fully integrated into California's broader climate change mitigation and adaptation policies, programs, and incentive structures. Participants will also hear about opportunities for urban-rural collaboration to create a shared understanding of the value of our natural and working lands, as well as a shared vision for conservation, restoration, and adaptation.

- ◆ **Moderator: Kellyx Nelson** | Executive Director, San Mateo Resource Conservation District (moderator)
- ◆ **Kara Heckert** | California State Director, American Farmland Trust
- ◆ **Claire Jahns** | Assistant Secretary, Natural Resources and Climate Issues, California Natural Resources Agency
- ◆ **Louis Blumberg** | Director, California Climate Change Program, The Nature Conservancy
- ◆ **Jason Ko** | Ecosystem Services Manager, Climate Change Co-Coordinator, U.S. Forest Service

11:30 – 11:45 AM

Networking Break

Forum Sponsor Advertisement



BAY AREA AIR QUALITY MANAGEMENT DISTRICT is a proud sponsor of the 3rd Biennial California Adaptation Forum

Through our *Spare the Air, Cool the Climate* Clean Air Plan we chart a course to a 2050 post-carbon region. Our *Climate Protection Grant Program* furthers this vision for a sustainable future.

Protecting and improving public health, air quality, and the global climate since 1955.

[baaqmd.gov/cleanairplan](http://baaqmd.gov/cleanairplan)



11:45 AM – 12:35 PM Plenary

Ballroom

## Building Blocks for an Uncertain Tomorrow: Policymaking in an Age of Climate Risk

For the second plenary, we invite policymakers with local, regional and state experience to discuss the complex terrain of building the policy frameworks needed to increase community resilience and respond to climate risks. This session will highlight critical governance challenges facing Californians today such as the growing tension between affordable housing and climate adaptation and the difficult balance of economic opportunity and environmental stewardship. Our speakers will examine political considerations, emerging solutions and lessons learned for responding effectively and nimbly to emergent crises in the near-term while at the same time preparing for future risks over a longer horizon.

- ◆ **Moderator: Jonathan Parfrey** | Executive Director, Climate Resolve
- ◆ **Louise Bedsworth** | Executive Director, Strategic Growth Council
- ◆ **James Gore** | Supervisor, Sonoma County 4th District
- ◆ **Mayor Jose Gurrola** | City of Arvin



12:35 – 1:25 PM

Networking Lunch

Ballroom

## Tool Demo

## Urban Footprint

Tofanelli

12:45 – 1:05 PM



UrbanFootprint is cloud-based software designed to address the challenges of sustainable urban planning. Planners, designers, environmental analysts produce better outcomes for their cities and communities. But, we're not just another software company. Our background as planners means that we understand the challenges of the planning process. UrbanFootprint helps you save time and money while delivering projects with more insight. UrbanFootprint helps in all phases of a planning project. Spend less time collecting data and get your projects started faster with hundreds of curated reference layers. Explore different futures with advanced scenario design tools. Test scenarios against key factors such as risk and resilience, accessibility, emissions, transportation, conservation, and many more. Finally, compare alternatives to identify co-benefits and winning results for your project area. For more information, please visit [urbanfootprint.com](http://urbanfootprint.com).

## California Heat Assessment Tool

Bataglieri

1:05 – 1:25 PM

The California Heat Assessment Tool (CHAT) was built as part of the State's Fourth Climate Change Assessment. CHAT is a decision-support tool that provides actionable information for state and local practitioners to understand current and future heat wave danger for their community and better prepare for extreme heat in the future. CHAT provides interactive maps overlaying a series of indicators that contribute to heat-health vulnerability (climate data, demographic (census) data, medical data, and built environment data) which can be used to inform the identification of vulnerable communities, the incorporation of heat and health into policy and planning, and the communication of extreme heat as a public health priority. More information can be found at [cal-heat.org](http://cal-heat.org).

1:25 – 2:40 PM

Session Block B: Model Projects &amp; Approaches

CM 1.25

**Creating Coalitions and Accelerating Adaptation through Regional Collaboration**

Gardenia



The impacts of climate change stretch well beyond the influence of a single agency, jurisdiction, or community. Regional collaboration at the large-landscape level is needed to develop and implement climate adaptation strategies, projects, and programs. This session will highlight two regional collaboratives in the state: Capital Region Climate Readiness Collaborative and Los Angeles Regional Collaborative for Climate Action & Sustainability. Each collaborative will focus on the process of building coalitions, collaborating effectively, and how collaboration can accelerate implementation. Both collaboratives will highlight the role of local communities, equity, and rural-urban connections in this process. The Capital Region will highlight their Regional Urban Heat Island Initiative and how to bridge the divide between science, policy, and communities to better integrate planning and implementation efforts. The Los Angeles Regional Collaborative will provide an overview and lessons learned from the development of a climate action and adaptation framework for the Los Angeles Region.

- ◆ **Moderator: Erik de Kok** | Senior Planner/Sustainability Planner, Ascent Environmental
- ◆ **Laurel Hunt** | Executive Director, Los Angeles Regional Collaborative for Climate Action & Sustainability
- ◆ **Kathleen Ave** | Climate Program Manager, Sacramento Municipal Utility District; Chair, Capital Region Climate Readiness Collaborative
- ◆ **Heather Jue Northover** | Director, Center for Health Equity, Los Angeles County Department of Public Health

**Restorative Climate Resilience: How to Communicate with Communities**

Camellia



In this session, youth organizers lead presentations and discussions to support professionals in communicating solutions to frontline communities in ways that engage and empower community expertise and lived experiences. The session centers around youth leaders in climate justice, as members of frontline communities, and in community engagement, as experts in leading-edge communication platforms. The panel addresses equitable partnership and communication with communities when tackling environmental justice issues that directly affect them. Panelists include people working with tribal communities, navigating intersectional identity in the environmental justice movement, and intergenerational experience organizing marginalized communities on environmental issues.

- ◆ **Moderator: Shreya Shankar** | Executive Director, Rooted in Resilience
- ◆ **Terrie Green** | Executive Director, ShoreUp Marin
- ◆ **Rosanie Phan** | Fellow, New Voices Are Rising
- ◆ **Phoenix Armenta** | Coordinator, Resilient Communities Initiative
- ◆ **Jada Delaney** | Fellow, New Voices Are Rising
- ◆ **Alex Ghemis** | Coordinator, Resilient Communities Initiative
- ◆ **Malcolm Margolin** | Executive Director, California Institute for Community, Art and Nature

**Frontline Communities Under Fire: Lessons from the Thomas Wildfire**

Compagno



The Thomas Fire was the largest wildfire in California history, providing an important case study in climate injustice, emergency management, and building resilience for disadvantaged communities. Farmworkers and other outdoor workers, Spanish and indigenous Mixteco speakers, mobility-impaired individuals, and low-income and immigrant families were highly impacted by the Thomas Fire but often left behind by the official response. Local grassroots organizations stepped up to ensure language access to emergency information, protect farmworkers laboring under heavy smoke, provide disaster relief for impacted immigrant families cut off from federal aid, and advocate for long-term changes in disaster response. As wildfires become increasingly frequent and severe in California, the experience of Ventura and Santa Barbara Counties offers key lessons for preparation and response to address unique, complex, and sometimes unexpected impacts to disadvantaged communities and an understanding of the systemic change needed to build more equitable and resilient communities.

- ◆ **Moderator: Lucas Zucker**, Policy Director, Central Coast Alliance United for a Sustainable Economy
- ◆ **Nayra Pacheco**, Coordinator, 805 Undocufund
- ◆ **Genevieve Flores-Haro**, Deputy Director, Mixteco/Indigena Community Organizing Project
- ◆ **Dani Anderson**, Executive Director, Independent Living Resource Center

- ◆ **Eder Gaona-Macedo**, Executive Director, Future Leaders of America
- ◆ **Vianey Lopez**, District Director, Assemblymember Monique Limon

- ◆ **James Joyce**, District Director, Senator Hannah-Beth Jackson

**Flexible Adaptation Pathways: Emerging Applications in California**

Beavis



Once a niche approach to adaptation planning design, the Flexible Adaptation Pathway technique is gaining ground in California. As we start to understand the levels of risk our communities face from climate impacts, and when these risks may eventuate, adaptive pathways enable community dialogue by providing a common language to discuss challenging issues. Adaptation pathways embraces the inevitability of changing circumstances over time, thereby reducing the risk of 'locked in' adaptation actions. The approach sets out thresholds that establish limits on when pre-determined levels of climate change risks are met. Adaptive pathways also help define signposts, ensuring decision-appropriate information is collected to determine if an adaptation plan is successful or if alternative adaptation pathways should be taken if specific thresholds are met.

- ◆ **Moderator: Robert Kay** | Principal, Climate Change, ICF (moderator)
- ◆ **Alexis Dufour** | Water Operations Analyst, San Francisco Public Utilities Commission
- ◆ **Brian D'Agostino** | Director, Fire Safety Science and Climate Adaptation, San Diego Gas & Electric
- ◆ **Tiffany Wise-West** | Sustainability & Climate Action Manager, City of Santa Cruz
- ◆ **Caitlin Cornwall** | Biologist & Research Program Manager, Sonoma Ecology Center

**(Re)building Wildfire Resilient Communities**

Carr



In the face of a warming climate, much of California will be exposed to longer fire seasons and potentially increased frequency, geographic extent, and severity of wildfire attributable to fuels accumulation due to historical fire suppression, increased aridity, and more intense extreme weather events. This session will explore case studies of communities impacted by the 2017 fire season to highlight how local governments are responding to challenges raised around wildfire preparedness and response in a climate adaptation context. What are emerging best practices utilized by local governments and their partners and to deal with these extreme events? Panelists will share response strategies and lessons learned in the context of aiming for both cost efficiency and equity in wildfire response and recovery. Considerations will include policy approaches to managing wildfire hazards, opportunities and constraints based on insurance considerations, and innovative approaches to coordinating planning and decision-making across multiple sectors.

- ◆ **Moderator: Lisa Micheli** | President and CEO, Pepperwood Foundation
- ◆ **Michael Gossman** | Sonoma County Office of Recovery and Resilience
- ◆ **Dave Jones** | Insurance Commissioner, California Department of Insurance
- ◆ **Chris Godley** | Interim Manager, Sonoma County Fire and Emergency Services

**Natural Infrastructure and the Climate Resilience of the State's Water System**

Tofanelli



Healthy forests, streams and meadows upstream of California's major reservoirs provide many benefits to the state's water delivery system, improving system performance and reducing risks in a changing climate. With the passage of AB 2480, California has recognized source watersheds as an integral part of California's water system, making their repair and maintenance eligible for the same forms of financing as built parts of the water system. This session will explore what needs to be done to ensure that this natural infrastructure can continue to provide material benefits to the water system in the face of the increased droughts, floods, and fires projected in a changing climate. It will seek to focus on these issues from the water agency perspective, featuring discussion of the challenges and opportunities that water providers face as they look towards implementing solutions.

- ◆ **Moderator: Andrea Tuttle** | Former Director, CAL FIRE (moderator)
- ◆ **Maureen Martin** | Senior Water Resources Specialist, Contra Costa Water District
- ◆ **Connie Best** | Co-founder and Co-CEO, Pacific Forest Trust
- ◆ **Walter Wadlow** | Director of Utility Relations, WaterNow Alliance

## Adaptive Regional Transportation Solutions from the Coast to the Valley

Bataglieri



The State of California has provided adaptation planning grants to regional agencies and local communities to address vulnerability of transportation infrastructure to climate-related hazards. Regional transportation agencies and collaboratives use these resources to highlight exposures of regional transportation assets to a range of hazards from the coast to the valley, including sea-level rise, wildfire impacts, and urban heat island effects. These groups are also preparing adaptation strategies that illustrate options to retrofit or relocate these assets. Dedicated grant funding ensures that much of this work will benefit disadvantaged communities. This session will highlight ongoing adaptation planning and implementation efforts by Caltrans, the San Francisco Bay Area Regional Collaborative, and two of California's Metropolitan Planning Organizations. Participants will learn about grant funding options for adaptation planning, as well as how regional agencies are engaging underrepresented stakeholders, completing vulnerability assessments and adaptation strategies, and establishing adaptation-based regional transportation funding criteria.

- ◆ **Moderator: Jeff Henderson** | Deputy Executive Officer, Delta Stewardship Council
- ◆ **Sarah Pierce** | Regional Environmental Planner, San Diego Association of Governments
- ◆ **Julia Biggar** | Senior Transportation Planner, California Department of Transportation
- ◆ **Amy Lee** | Associate Research Analyst, Sacramento Area Council of Governments
- ◆ **Allison Brooks** | Executive Director, Bay Area Regional Collaborative

## Building Agricultural Resilience in the San Joaquin Valley

Bondi



This session explores the future of agriculture in the San Joaquin Valley: the challenges and opportunities in fostering ecological balance, public health, and economic equality. The focus of the session will be innovative strategies to address some of the most pressing issues in the region, such as improving groundwater supplies, climate-smart farming, and protecting climate-beneficial farmland. The session features speakers with a broad spectrum of expertise in subjects as diverse as environmental justice, groundwater sustainability, land use analysis, clean drinking water, and climate adaptation in agriculture. What they have in common is a drive to ensure that both agriculture and the communities that support it are sustainable and that everyone shares the responsibilities and benefits of living in the "food basket of the world."

- ◆ **Moderator: Kara Heckert** | California State Director, American Farmland Trust (moderator)
- ◆ **Dustin Pearce** | GIS Analyst, Conservation Biology Institute
- ◆ **Kassandra Hishida** | Coordinator, Community Alliance for Agroecology
- ◆ **Jenny Rempel** | Director of Resource Stewardship, Community Water Center
- ◆ **Tapan Pathak** | Specialist in Climate Adaptation in Agriculture, University of California Merced

2:40 – 2:55 PM

Networking Break

2:55 – 4:10 PM

Session Block C: Model Projects &amp; Approaches

CM 1.25

## How Focusing on Health Can Expand Collaborations and Enhance Resilience

Gardenia



Focusing on the health impacts of a changing climate has the potential to bring together a diverse set of partners and enhance the resilience of Frontline communities. Collaborations built around health can address both the systemic underlying resource and equity issues that create differential risk in these communities and the acute climate-related stressors that turn those vulnerabilities into health disparities. Health focused collaborations can span horizontally across sectors and provide a framework for vertical integration between local, county, and state departments and agencies. This interactive session starts and ends with a participant conversation. It also brings together a diverse group of panelists to discuss how health has been used to inspire successful collaborations to: invest in green infrastructure and reduce extreme heat exposures; reduce inequities and strengthen asthma prevention efforts; combine

western and traditional knowledge to develop health focused adaptation strategies; and foster a state wide community of practice

- ◆ **Moderator: Ellu Nasser** | Climate and Health Specialist, Adaptation International (moderator)
- ◆ **Dorette Quintana English** | Health Program and Policy Specialist, California Department of Public Health
- ◆ **Melissa Jones** | Executive Director, Bay Area Regional Health Inequities Initiative
- ◆ **Anne Kelsey Lamb** | Director, Regional Asthma Management and Prevention

## Buildings Are for People: Engaging Low-Income Multifamily Building Occupants

Camellia



This session will explore opportunities to support resilience in affordable housing – both related to building systems and also for building occupant engagement. What tools and resources are available to multifamily buildings and local governments looking to encourage resilient homes? What has worked and what hasn't? Case studies from diverse perspectives and projects will be explored, including messaging and building occupant engagement strategies, how to combine funding sources and what tools are available to support resilience in our most vulnerable populations.

- ◆ **Moderator: Betty Seto** | Head of Department, DNV GL
- ◆ **Lauren Taymor** | Consultant, DNV GL
- ◆ **Ryan Silber** | Program Manager, Strategic Growth Council
- ◆ **Erin Kelly** | Associate Program Manager, Association for Energy Affordability, Inc.
- ◆ **Kristen Torres Pawling** | Sustainability Program Director, County of Los Angeles

## Heat Resilient Transit and Cool Streets

Compagno



As the frequency and severity of extreme heat events in California continue to increase, communities across the state are developing cool strategies to plan for this hotter future. Extreme heat will pose considerable health risks to the state's most vulnerable populations, including those impacted by mobility constraints, socio-economic conditions, and other factors. In this session, we explore how stakeholders engaged in research and planning efforts are assessing the impact of a changing climate and implementing cooling strategies that strengthen social resilience.

- ◆ **Moderator: Yoon Kim** | Director of Advisory Services, Four Twenty Seven
- ◆ **George Ban-Weiss** | Assistant Professor, University of Southern California
- ◆ **Fernando Cazares** | California Manager, Climate-Smart Cities, The Trust for Public Land
- ◆ **Sabrina Bornstein** | Deputy Chief Resilience Officer, City of Los Angeles
- ◆ **Cris Liban** | Executive Officer, Environmental Compliance and Sustainability Program Management, LA Metro

## Creating Equitable Outcomes: Lessons from The Residential Building Sector

Beavis



This session will bring to light the importance of climate-smart solutions and investments in residential building stock, as well as address hard questions such as inequitable application of solutions and investment-induced gentrification. Presenters will share lessons learned from the SB-350 Barriers study, an analysis of new building envelope technologies and policies, and insights on what local investments and policies would enable climate-smart housing while ensuring that housing is available to those most in need of it. Presenters will come together for a conversation about how we can take advantage of promising innovations in the residential building sector in ways that increase climate resilience and maintain the character and integrity of California communities.

- ◆ **Moderator: Rachel Jacobson** | Senior Program Manager, American Society for Adaptation Professionals (moderator)
- ◆ **Heather Rosenberg** | Founder, Building Resilience Network, USGBC-LA
- ◆ **Alana Matthews** | Public Advisor, California Energy Commission
- ◆ **Bryan Dove** | Director of Asset Management, Sacramento Housing Alliance

### Space for the Sea: Overcoming Barriers So We Can Move Back

Carr



This session will explore managed retreat case studies in the context of near, mid, and long-term sea level rise to work through challenges and opportunities identified to move the field a little further ahead. The session will start with lightning presentations by sea level rise practitioners, highlighting their experience, a case study, and a related barrier and/or challenge, followed by a longer discussion and brainstorm session to explore and work through fundamental challenges and opportunities presented. The goal is to hear from a diverse panel of experts, from a state coastal regulatory agency, to community-based groups, a local jurisdiction, a foundation currently implementing managed retreat strategies in another state, and a climate scientist, in order to identify and work through present-day challenges and opportunities to further the field of managed retreat in coastal California.

- ◆ **Moderator: Kelly Malinowski** | Project Manager, California State Coastal Conservancy
- ◆ **Kristina Dahl** | Climate Scientist, Union of Concerned Scientists
- ◆ **Madeline Cavalieri** | Statewide Planning Manager, California State Coastal Commission
- ◆ **Liz Williams** | Coastal Communities Resiliency Program Officer, Foundation for Louisiana
- ◆ **Leslie Lacko** | Advanced Planner, Marin County
- ◆ **Marce Gutierrez-Graudins** | Partner and Founder/Director, Azul
- ◆ **Lucas Zucker** | Policy and Communications Director, Central Coast Alliance United for a Sustainable Economy (CAUSE)

### Sea Level Rise Adaptation for the Flyway Highway and Other Coastal Roads

Tofanelli



This session will feature a case study of Resilient 37, a collaborative effort bringing together wetland land managers, ecological restoration practitioners, environmental regulatory agencies, environmental advocacy groups, recreation and public access representatives, and transportation agencies to chart a future for Highway 37, 21-mile highway that runs through the wetlands and farm fields of the North Bay, to address road congestion, flooding, and eventual inundation due to sea level rise. The session will highlight how the collaborative design process is overcoming hurdles, both technical and institutional, to ensure that the vital transportation artery continues to serve surrounding communities while wetland restoration progress continues apace. Contrasting case studies of adaptation of Highway 1 and the Great Highway along Ocean Beach in San Francisco will be combined in a panel discussion of lessons to be drawn for the adaptation of coastal roads statewide.

- ◆ **Moderator: Jessica Davenport** | Project Manager, State Coastal Conservancy (moderator)
- ◆ **Reza Navai** | Assistant Division Chief for Policy, Planning Division, Caltrans
- ◆ **Stefanie Hom** | Associate Planner, Metropolitan Transportation Commission
- ◆ **Anne Morkill** | Manager, San Francisco Bay National Refuge Complex, U.S. Fish and Wildlife Service
- ◆ **Ben Grant** | Urban Design Policy Director, SPUR

### Adaptation Where Natural Systems and the Built Environment Intersect

Bataglieri



Communities throughout California are assessing their vulnerabilities to climate change and starting to develop and even implement adaptation. Presentations address climate change vulnerability analyses and adaptation efforts for natural resources and built communities, including the synergies and conflicts, specifically: adaptation planning for Fresno County, focused on socio-economic systems, agriculture, water resources, infrastructure, and wildlife and ecosystems; adaptation and restoration efforts in Santa Cruz County's watersheds, on public and private lands; efforts in the urbanized, cross-border Tijuana watershed, including coastal ecosystem restoration efforts in the estuary and efforts to improve water quality; and use of disaster funding through the Hazard Mitigation Grant Program to create climate resilience to future droughts through investing in managed aquifer recharge projects in the Central Valley. These large-scale case studies of adaptation planning and implementation include a wide array of built infrastructure and communities that exist within California's diverse ecosystems and natural systems.

- ◆ **Moderator: Amy Hutzel** | Deputy Executive Officer, State Coastal Conservancy
- ◆ **Thomas Esqueda** | Associate Vice-President in Water and Sustainability, Fresno State University

- ◆ **Chris Coburn** | Deputy Director, City of Santa Cruz Water Department
- ◆ **Christopher Peregrin** | Reserve Manager, Tijuana National Estuarine Research Reserve
- ◆ **Nicole Meyer-Morse, Ph.D.** | Science and Technology Advisor, Governor's Office of Emergency Services

### Water, Fire, Carbon, Habitat: Innovative Partnerships for Resilient Forested Watersheds

Bondi



The state's forests and watersheds are crucial for the water supply and water quality of the state, carbon sequestration, recreation, timber, and other benefits. And yet, these resources are at risk to tree mortality and a changing climate, including increased wildfire frequency and severity, decreasing snowpack, variable weather extremes, and drought. What does it take to restore these lands to a climate-resilient state? This solution-oriented session will highlight case studies of innovative cross-sectoral, multi-stakeholder collaboration, planning, and implementation techniques to carry out forest management actions with multiple benefits including watershed restoration, fire fuel treatment, fire risk reduction, habitat restoration, and recreation opportunity enhancement.

- ◆ **Moderator: Curtis E. Alling, AICP** | Principal, Ascent Environmental
- ◆ **Jim Branham** | Executive Director, Sierra Nevada Conservancy
- ◆ **Laurie Wayburn** | President, Pacific Forest Trust
- ◆ **Vikki Preston** | Cultural Resources Technician, Karuk Tribe/North Coast Resource Partnership
- ◆ **Janet Klein** | Director, Tamalpais Lands Collaborative (One Tam)

4:10 – 4:25 PM

Networking Break

4:25 – 5:40 PM

Session Block D: Financing, Funding &amp; Tools

CM 1.25

### Partnerships to Advance Equitable Housing Opportunities for All Californians

Compagno



Throughout California, we are seeing two critical priorities converge: climate resilience and affordable housing. Existing buildings must be retrofitted to be more resilient while, to the extent possible, new developments should be sited in low-risk areas. Additionally, in accordance with SB-375 and a multitude of research findings, transit-oriented housing can serve as an important strategy for making communities more climate-resilient while enhancing low-cost transportation options. This session aims to highlight strategies and resources to achieve these goals, including existing grant programs and financing mechanisms that can be leveraged to address the affordable housing crisis while integrating climate-smart solutions. Our panel of housing, finance, and equity experts will demonstrate how low-income residents must be part of California's transition to a low-carbon, climate-resilient future, and how participants can leverage partnerships and access the resources needed to respond to the concurrent issues of affordable housing and climate resilience.

- ◆ **Moderator: Stephanie Wang** | Policy Director, California Housing Partnership
- ◆ **Nicole Capretz** | Executive Director, Climate Action Campaign
- ◆ **Sam Tepperman-Gelfant** | Deputy Managing Attorney
- ◆ **Laura Raymond** | Campaign Director, ACT LA
- ◆ **Tyrone Buckley** | Policy Director, Land Use & Finance, Housing California

### Digital and Visual Tools to Enhance Community Engagement

Bondi



This session will explore ideas for how digital and visual tools can improve community understanding of climate change impacts and engage various audiences directly in adaptation planning. Tools such as virtual reality displays, visual mapping, and apps can be leveraged to provide new opportunities for tailoring climate information so that it is relevant to a community's priorities and speaks to their cultural, public health, and educational needs. Participants will also explore how digital tools can open new doors to citizen science and citizen engagement that help us to track where and how climate change is impacting our communities.

- ◆ **Moderator: Juliette Finzi Hart** | Director of Outreach, U.S. Geological Survey
- ◆ **Najari Smith** | Director, Rich City Rides
- ◆ **Cara Pike** | Director, Climate Access
- ◆ **Kalimah Priforce** | Director, Queyno Labs
- ◆ **Fernando Cazares** | Senior Program Manager, Climate Smart Cities, Trust for Public Land

### Tools for Psychosocial Climatic Threats

Hendricks (Level 3)



Cultural and social resilience is about the abilities of social entities to tolerate, absorb, cope with and adjust to shocks and stresses. New local, state and global tools, financing, and funding are emerging to better address the personal and organizational psychosocial resilience piece of environmental and climate work. This session will tackle funding and financing tools that municipalities and non-profits are employing to better equip themselves for preparing for and reacting to climatic threats as they relate to psychosocial impacts. Hear from leaders in this space explain what tools are best for preparing for and coping with climatic events in our communities, and what are some of the gaps that need to be addressed.

- ◆ **Moderator: Julie Maldonado** | Director of Research, Liken Knowledge
- ◆ **Beth Gibbons** | Executive Director, American Society of Adaptation Professionals
- ◆ **Jake Pollack** | Program Manager, Strategic Energy Innovations
- ◆ **Laura Garcia** | Organizer, Communities for a Better Environment
- ◆ **Mark Stemen** | Professor, California State University Chico

### Building a Case for Ecosystem Services in Climate Adaptation

Beavis



Human well-being depends on ecosystem services such as clean air, drinking water, food, and fuel provisions provided by our natural resources and landscapes, and quantifying these services through a variety of valuation approaches is an active area of research and development. These valuation approaches help us to strategically plan for and implement climate adaptation efforts that maximize ecosystem services. As such, this session will highlight practical applications of ecosystem service valuation tools and mechanisms across California that have provided compelling arguments to take action in the face of uncertainty.

- ◆ **Moderator: Dr. Libby Porzig** | Senior Ecologist, Point Blue Conservation Science
- ◆ **Jean-Pierre Wack** | Research Scientist, Spatial Informatics Group
- ◆ **Matt Chadsey** | Executive Director and Program Director for Benefit-Cost Analysis, Earth Economics
- ◆ **Nick Tipon** | Elder and Member, Federated Indians of Graton Rancheria
- ◆ **Heather Dennis** | Research Analyst, San Francisco Bay Conservation and Development Commission

### Governing for Adaptation: Exploring the Legal Implications of Adaptation Finance

Carr



As communities rise to the challenge of preparing for and responding to climate change impacts, they will need to leverage existing funding and financing mechanisms and, in some cases, develop new mechanisms specifically targeted to addressing climate impacts. Effective governance will be critical for ensuring these mechanisms help to advance communities' adaptation priorities and build climate resilience equitably, taking account of the costs and benefits to different groups. This panel will explore emerging legal issues related to adaptation finance to equip local jurisdictions with insights and good practices for managing these issues in ways that are equitable and collaborative. Specifically, the panel will

focus on: rating agencies' consideration of physical climate risks and the potential legal implications for adaptation finance at the local level; and the legal issues raised by sea level rise adaptation finance.

- ◆ **Moderator: Yoon Kim** | Director of Advisory Services, Four Twenty Seven
- ◆ **Sean Hecht** | Co-Executive Director, Emmett Institute on Climate Change and the Environment; Co-Director, UCLA Law Environmental Law Clinic; UCLA School of Law
- ◆ **Cameron Prell** | Climate Change Law and Sustainable Finance Lawyer, The Coefficient Group

### Financing Climate-Safe, Resilient Infrastructure for All

Bataglieri



This track focuses on long-lived infrastructure and lifelines, such as roads, levees, reservoirs, power plants and the green infrastructure to buffer, protect and enhance them. In many parts of California this infrastructure remains in a state of ill-repair, vulnerable to the impacts from climate change, essential for community function, economic activity, public safety and well-being, yet expensive to build and maintain over time. This session focuses on the financing challenges and options for resilient/climate-safe infrastructure investment, and how to ensure that all communities have access to these financial instruments. Speakers will provide an overview of financial instruments for infrastructure investment, discuss the importance of infrastructure upkeep for favorable credit ratings, illuminate opportunities for broadening community involvement in infrastructure planning and decision-making, show ways to ensure infrastructure has benefits for stakeholders across sectors, and address how investment in climate-safe/resilient infrastructure can and must address historical legacies of institutionalized racism and neglect.

- ◆ **Moderator: Susi Moser, Ph.D.** | Director, Susanne Moser Research & Consulting (moderator)
- ◆ **Emily "Millie" Levin** | Policy Analyst, California Office of Emergency Services
- ◆ **Mark Northcross** | Associate, NHA Advisors, Inc.
- ◆ **Siddharth Narayan, Ph.D.** | Assistant Research Scientist, Institute of Marine Sciences, University of California Santa Cruz
- ◆ **Brian Benn** | Principal & Co-Founder, Clean Financials (Environmental Risk and Financial Solutions)
- ◆ **Beverly Scott, Ph.D.** | CEO, Beverly Scott Associates, Parker Infrastructure Partners

### Financing for Resilient and Equitable Communities

Magnolia



This session will cover the latest information about financing for resilience, in the context of a quickly shifting landscape for how public and private investments are considering impacts from climate change. Investors and voters alike are recognizing the need to evaluate expenditures with climate impacts in mind. From bond-rating agencies, to private insurers limiting policies in high-risk areas, local government staff and elected officials need to understand the complex world of public and private finance in an ever-evolving adaptation context. This session will cover some of the financing mechanisms that local governments can use to invest in resilient communities. The speakers will also address the importance of making equitable investments that do not create or exacerbate inequities and disparities, including potential displacement resulting from adaptation investments. Finally, we will talk about innovative and emerging funding concepts that respond to the needs of urban, rural, and tribal communities across the state.

- ◆ **Moderator: Nuin-Tara Key** | Resilience Program Manager, Governor's Office of Planning and Research (moderator)
- ◆ **Natalie Zappella** | Program Director, Southern California Sustainable Connected Communities, Enterprise Community Partners, Inc.
- ◆ **Glenn Pomeroy** | CEO, California Earthquake Authority
- ◆ **Margaret Van Vilet** | Executive Director, Sonoma County Community Development Commission
- ◆ **Pilar Thomas, Esq** | Of Counsel (former Deputy DOE Office of Indian Energy), Lewis Roca Rothgerber Christie LLP

## Financing Natural Infrastructure on California's Coast

Tofanelli



Traditionally, funding for wetlands restoration has come from public agencies or philanthropic organizations. Novel financing opportunities arise when coastal wetlands are considered natural infrastructure to protect communities from inundation or to store carbon. This session will highlight approaches to financing natural, coastal infrastructure: Measure AA was passed by voters in June 2016. This Bay Area effort generates parcel tax revenue to restoring wetlands habitats for their multiple benefits, including flood protection (speakers will share early lessons learned including efforts to engage under-resourced communities); public funding has supported multiple living shoreline projects in California - the implementation of these projects allow us to gain insights and share valuable lessons learned with regards to their benefits to coastal flood management. Wetlands also store atmospheric carbon - novel financing for wetland restoration might become available through impact investment or cap-and-trade programs such as the Wetlands Restoration for Greenhouse Gas Reduction Program.

- ◆ **Moderator: Luisa Valiela** | Program Manager, U.S. Environmental Protection Agency
- ◆ **Nahal Ghoghaie** | Bay Area Program Coordinator, Environmental Justice Coalition for Water
- ◆ **Matt Gerhart** | Program Manager, California State Coastal Conservancy
- ◆ **Julie Gonzalez** | Sea Grant Fellow, California State Coastal Conservancy

**5:40 – 6:00 PM**      **Networking Break**

**8:30 – 10:00 AM**      **Hosted Networking Reception**      **Ballroom**

Unwind and network with hundreds of adaptation leaders and practitioners over drinks and hors d'oeuvres! The Hosted Networking Reception is made possible by generous support from WSP.

- ◆ **Moderator: TBA** | WSP
- ◆ **Kate White** | Deputy Secretary, Environmental Policy and Housing Coordination, California State Transportation Agency

## WEDNESDAY, AUGUST 29

**7:30 – 8:30 AM**      **Networking Breakfast**

**Tool Demo**

## Cal-Adapt

Tofanelli

**7:40 – 8:00 AM**

Cal-Adapt has been designed to provide access to the wealth of data and information that has been, and continues to be, produced by State of California's scientific and research community. The data available on this site offer a view of how climate change might affect California at the local level. Here you can work with visualization tools, access data, and participate in community sharing to contribute your own knowledge. Cal-Adapt's development is a key recommendation of the 2009 California Climate Adaptation Strategy and is a primary resource to support vulnerability assessments in communities across the state. The site is developed and managed by UC Berkeley's Geospatial Innovation Facility (GIF) with funding and advisory oversight by the California Energy Commission's Public Interest Energy Research (PIER) Program, and advisory support from [Google.org](https://www.google.org)

**8:00 – 9:15 AM**      **Network Meetings**

## From California and Beyond: A Gathering of Regional Collaboratives

Tofanelli

Calling all regional climate collaboratives from across the state and nation! Join fellow collaborative managers and members to share progress updates, best practices, and resources for accelerating regional adaptation initiatives. Through a series of facilitated discussions, participants will also discuss opportunities to support emerging collaboratives, identify shared national priorities, and build mutual support to advance the broader resilience movement. The California-based Alliance of Regional Collaboratives for Climate Adaptation will provide welcoming remarks, and participants will hear from the Institute for Sustainable Communities on key findings from their national collaborative survey and Georgetown Climate Center on Regional Collaborative Forum updates. We hope that you can also join us for happy hour after the Forum to continue the conversation!

## Equity in Resilience: Convening Environmental Justice Advocates and Allies

Bataglieri

This networking meeting invites environmental justice advocates and policymakers and others who desire to learn more about becoming allies in advancing EJ principles for more equitable, resilient communities. While many state policies around resilience and adaptation are focused on disadvantaged communities (DACs), disadvantaged unincorporated communities (DUCs), and vulnerable communities, the individuals and groups that make up these communities are quite diverse. This networking opportunity aims to bring together diverse stakeholder groups around common interests. Organizers will offer small breakout groups to participate in facilitated discussions around emergent themes.

## Resilience Dialogues Community Meeting

Beavis

This will be an opportunity for past and prospective Resilience Dialogues participants to connect and learn from one another. Alumni communities will share how they're building on their Resilience Dialogues experience and meeting participants will engage in a facilitated, outcome-oriented conversation about enhancing local community capacity for building climate resilience.

## Art Cars, Games + Cotton Candy: Connecting People to Climate Risks

Carr

Resilient by Design asked a question – could we effectively engage Bay Area communities in a design process to develop innovative design solutions focused on resilience to sea level rise, severe storms, flooding, and seismic risk? Design Teams worked with community organizations, local governments, and residents to develop design concepts in nine Bay Area communities. Along the way, they developed tools to creatively engage communities, and raise awareness about climate resilience. These brought collaboration to life as communities grappled with the complexities of planning for long-term impacts from sea level rise while balancing current challenges like transportation and housing. Come learn about the Resilient by Design projects and tools that teams have used to effectively raise awareness about climate change.

## Place IT Climate Change Training

Compagno

The Place It Climate Change Training will help participants reflect through their own personal narratives on how they can heal the earth. Behavioral change will lead to positive climate change! By using reflection and collaboration, we begin to understand our sense of belonging in the environment, resulting in increased empathy and a collaborative process. Communities take a holistic approach, or a deeper level of thinking, that restores the social, mental, physical and environmental aspects of their community. This approach uncovers knowledge, create a voice, and encourages self-determination in these communities. The workshop will begin with an overview of the methodology, followed by immersive, hands-on activities, using, storytelling, objects, art-making and play. It will conclude with lessons learned.

### Developing Resilience Technical Assistance for Small Local Governments

Bondi

Many current technical assistance programs are focused and specific to a particular deliverable and do not necessarily cater to the wide range of issues that may be a barrier for local governments. The meeting participants will identify the potential elements of a program, such as assistance with convening multi-jurisdiction and multi-department working groups, building stakeholder engagement and buy-in, organizational strategic planning, financial and funding strategy, initiative planning and implementation, and the like. The final program should be flexible and work with the jurisdictions to see how assistance can break down barriers to implementation and action. In this meeting, engage with agencies, organizations, and local governments to discuss and brainstorm how to better support small local governments with resilience planning and implementation.

9:15 – 9:30 AM

Networking Break

9:30 – 10:45 PM

Session Block E: Towards Implementation

CM 1.25

### From Idea to Action: Mobilizing Climate Adaptation Implementation through Partnerships

Gardenia



California has seen notable growth in the number and strength of policies driving adaptation, vulnerability assessments and plans for climate action and adaptation. As many jurisdictions approach the implementation of their plans, partnerships and collaboration will play an important role in effective program design and delivery. This session will focus on how local jurisdictions can move along the spectrum from thinking about climate adaptation to planning and implementation through collaboration, coalition-building and partnerships. Themes include engaging across agencies and departments to meet shared needs, building networks, activating economies of scale, and making space for the active, ongoing participation and consideration of disadvantaged communities. Drawing on the experience of panel members and session attendees, participants will leave with an actionable roadmap to inform their next steps following the conference.

- ◆ **Moderator: Kendall Starkman** | Manager, Advisory Services, Four Twenty Seven
- ◆ **Jody London** | Sustainability Coordinator, Contra Costa County, Department of Conservation and Development
- ◆ **Jonathan Parfrey** | Executive Director, Climate Resolve
- ◆ **Scott Shigeoka** | Community Design Lead, OpenIDEO
- ◆ **Jackie Cole** | Principal, VG Consulting

### Building Climate Resilience Together: Gaming for Inclusive Adaptation Planning Engagement

Magnolia



Engaging stakeholders is difficult if they are not well versed in adaptation planning. Gaming is an interactive, social way for bringing hesitant people to the table and helping them consider local climate risks and measures for equitable protections and restoration. Participants will join groups at tables representing “places” (neighborhood, business district, school, rural community) and enter a scenario-based decision-making process. Tools such as checklists and prompt cards will guide gamers through this social and interactive process. In each scenario, through a facilitated game, groups review climate impacts (flooding, heat, drought, wildfire, air pollution) and vulnerability, and discuss and prioritize the most urgent impact. Next, groups will consider and prioritize resilience measures that promote equity and reduce risks for the most urgent impact. Participants will discuss risks, opportunities, and benefits of planning and implementation of responsive measures for climate resilience in their scenario and give feedback about this interactive engagement activity.

- ◆ **Moderator: Natalie Kobayashi** | Research Manager, ecoAmerica

### Walking the Walk: Implementing Adaptation and Resilience Equity Strategies

Compagno



Climate change will not affect everyone equally in California. People of color, lower-income populations, recent immigrants, and other marginalized groups experience increased vulnerability to climate hazards and limited resources to adapt. If we prepare for climate hazards with these communities at the center of the process, we will have the expertise to prepare for it among all populations. Many climate preparedness resources exist, and most acknowledge the importance of equity and public participation. However, few address equity issues through specific adaptation solutions, tactics for inclusive community engagement, or the root causes of inequities in climate risk. This session will discuss how adaptation and resilience planning can be used to catalyze transformative, whole community solutions to address the causes of inequities in climate risk and build community resilience. We will center the conversation around two recently published climate equity preparedness resources and highlight two local case studies: Long Beach and Fresno.

- ◆ **Moderator: Tina Yuen** | Senior Planner, Change Lab Solutions
- ◆ **Fern Nueno** | Project Manager, Economic Development Department, City of Long Beach
- ◆ **Eric Yurkovich** | Senior Associate, Raimi + Associates
- ◆ **Grecia Elenes** | Policy Advocate, Leadership Counsel for Justice and Accountability
- ◆ **Victoria Benson** | Program Manager, Movement Strategy Center

Forum Sponsor Advertisement

**Together We Have the Power to Keep the Future Bright**

As your partner in energy, we are bringing more clean and renewable sources of energy to Southern California, modernizing our electric grid for a more secure and reliable energy future. Together, we're making sure California, and all of us who live here, shine bright.

**We are proud to support Local Government Commission's 3rd California Adaptation Forum**

Energy for What's Ahead®



### Decision Making Under Uncertainty: A Serious Game

Beavis



We will conclude our exploration in the Taking Action Under Uncertainty track by playing a “serious game” developed by the Dutch research institute Deltares. This “Sustainable Delta Game” game illustrates the Dynamic Adaptive Policy Pathways (DAPP) approach, which is gaining adherents planning climate adaptation under deep uncertainty and is referenced as “adaptation pathways” in the new California sea level rise guidance. Games like these have been used in many contexts to display approaches, risks, and decision typologies under uncertainty and they are always popular and illuminating for participants. In New Zealand, for example, a national, customized game playing program based on this game preceded development of a national plan for resilience to sea level rise. Deltares has used versions of this game in numerous real world planning contexts. We will both play the game as a group and discuss the implications for real world planning under uncertainty.

- ◆ **Moderator: David Behar** | Climate Program Director, San Francisco Public Utilities Commission
- ◆ **Alex Dufour** | Water Operations Analyst, San Francisco Public Utilities Commission

### Coding for Climate: Strategies for Developing Climate Adaptive Ordinances

Carr



Preparing for the impacts of climate change will require governments to dramatically transform how they make decisions about land use and building, among other considerations. For the closing session of the Governance, Policy, and Law track, this session will allow for interactive discussion about how local governments can navigate and overcome legal barriers to adaptation. Participants will engage in discussion about how land-use ordinances can be used to address a range of potential climate impacts (e.g., wildfire and flooding) and how to navigate legal and policy trade-offs among different adaptation options (e.g., maintaining affordability of housing, preserving historic structures). In break-out sessions on specific impacts and issues (flooding, fire, and enhancing resilience of affordable housing and historic structures), participants will be invited to explore (i) different legal strategies for reducing climate risks to their communities, and (ii) steps for developing implementation pathways that are legal, equitable, and politically feasible

- ◆ **Moderator: Jessica Grannis** | Adaptation Program Director, Georgetown Climate Center at Georgetown University Law Center
- ◆ **Edith Hannigan** | Land Use Planning Policy Manager, CAL FIRE Board of Forestry and Fire Protection
- ◆ **Sean Hecht** | Co-Executive Director, Emmett Institute on Climate Change and the Environment; Co-Director, UCLA Law Environmental Law Clinic; UCLA School of Law
- ◆ **Dana Brechwald** | Regional Resilience Planner, Association of Bay Area Governments
- ◆ **Julianne Polanco** | State Historic Preservation Officer, California Office of Historic Preservation

### Build for the Future: Implementing Infrastructure that Serves People and Nature

Tofanelli



Participants will discuss and co-create an agenda for action on infrastructure planning, design, financing, and policy that can be pursued to increase investment in resilient infrastructure that serves people while respecting natural systems, for both urban and rural areas. We will use “design thinking” approaches to develop specific ideas for implementing needed changes for critical infrastructure to better serve public needs in a future with greater climate extremes at local, state, and regional levels. In Break-Out Groups participants will build on the trends, model projects, case studies, equity perspectives, and examples of financing tools and funding approaches shared throughout the California Adaptation Forum, and will synthesize lessons from the Forum and test-out specific ideas for implementation to apply in their own professional realms.

- ◆ **Moderator: Deborah Moore** | Western States Senior Campaign Manager, Union of Concerned Scientists
- ◆ **Cole Roberts** | Associate Principal, Arup
- ◆ **Terrie Green** | Co-Director, Shore Up Marin

### Integrating Equity Assessments into Resilience Planning

Bataglieri



Communities cannot be completely resilient unless all people, regardless of race, gender, or income, are treated fairly within our political and economic systems. This session will present examples of how social equity assessments can be integrated into resilience planning efforts ranging from building efficiency upgrades, stormwater management, renewable energy systems, and more. Panelists will present their work on defining what equity is, measuring equity using indicators, and presenting results in user friendly ways. Case studies will be from California, New York, and more.

- ◆ **Moderator: Aurash Khawarзад** | Director of Policy, Race Forward (moderator)
- ◆ **Iris M. Crawford** | Climate Justice Fellow, NAACP
- ◆ **Corrine Van-Hook Turner** | Program Manager, Movement Strategy Center
- ◆ **Julia Sebastian** | Research Manager, Race Forward

### Beyond Ecology: Traditional Knowledge for Holistic Adaptation

Bondi



There is a lot to learn from tribal nations throughout California, including both federally recognized and unrecognized tribes. While many adaptation practitioners may be aware of Traditional Ecological Knowledge (TEK) at a high-level, participants will learn about the core definitions and principles of TEK, site-specific projects and case studies, and how to incorporate TEK into the planning stream for large scale projects. Presenters will share stories and demonstrate how California tribes are collaborating with the modern science community to implement holistic adaptation strategies. This session will go further to highlight broader traditional knowledges around cultural preservation and social resilience to facilitate discussions around what it will take to integrate different knowledge streams. With plenty of time for Q&A and discussion, participants will walk away with a clearer understanding of how they can more effectively engage with tribes to achieve shared goals.

- ◆ **Moderator: Anecita Augustinez** | Tribal Policy Advisor, California Department of Water Resources (moderator)
- ◆ **Ken Holbrook** | Executive Director, Maidu Summit Consortium
- ◆ **Dore Bietz** | Planner/Emergency Planner, Tuolumne Band of Me-Wuk Indians
- ◆ **Morning Star Gali** | Community Organizer, Tribal Engagement, Sacred Places Institute for Indigenous Peoples

10:45 – 11:00 AM

Networking Break

11:00 – 11:15 AM

2018 California Regional Adaptation Leadership Award (RALA)

The American Society of Adaptation Professionals (ASAP) Regional Adaptation Leadership Award (RALA) recognizes individuals who have distinguished themselves in the climate change adaptation field through exceptional leadership. Join us as we announce the 2018 California RALA winners!

- ◆ **Beth Gibbons** | Executive Director, American Society of Adaptation Professionals
- ◆ **Larry Greene** | 2016 California RALA Winner



11:15 AM – 12:30 PM Plenary

Ballroom

**Investing in Resilience: Who Should Pay, and How?**

Increasingly, communities are recognizing that adapting to climate change will require unprecedented levels of sustained investment. And the clock has already started. Large-scale deployment of capital and a comprehensive shift in how we define value and allocate scarce resources – at the state, local and federal level – is needed to support sea-level rise protection, wildfire management, ecosystem preservation and other climate impacts. The 2018 California Adaptation Forum will close with a forward-looking discussion about aligning financial levers with climate-adaptation solutions that foster natural and community resilience. Our speakers will challenge the audience to think about how we can make smarter investments for current and future generations – from the transformation of our financial institutions and the deployment of emerging technologies to re-imagining how we can better define and incorporate risk and benefits into creating livable, equitable, climate-smart communities.

- ◆ **Moderator: Kate Gordon** | Partner, Sustainability Practice, RIDGE-LANE Limited Partners (moderator)
- ◆ **Kat Taylor** | CEO and Co-Founder, Beneficial State Bank
- ◆ **Shalini Vajjhala** | Founder and CEO, re:focus partners
- ◆ **Teveia Barnes** | Executive Director, California Infrastructure and Economic Development Bank
- ◆ **Sanjay Wagle** | Co-Founder and Managing Director, The Lightsmith Group



12:30 – 1:30 PM

Networking Lunch

Ballroom

**Tool Demo****B-READY Building Resilience Assessment Tool**

Tofanelli

12:40 – 1:00 PM



DNV GL's B-READY building resilience assessment tool helps building owners and managers translate climate-related, site-specific risks into actionable resilience strategies. The B-READY assessment covers over 140 aspects of building resilience, including strategies related to communications and security; electrical systems, fire protection, HVAC, equipment and furnishings,

operations, plumbing, shell and structure, and site design. The results of the assessment are provided in a technical report that includes the building resilience index (on a 1 – 100 scale) and recommended resilience measures for improving the building's ability to withstand climate-related events. B-READY incorporates a social resilience component to assess how resilient a building's occupants are to climate-related events. Learn more at [dnvgl.com/services/b-ready-106852](https://dnvgl.com/services/b-ready-106852).

**Adaptation Clearinghouse**

Bataglieri

1:00 – 1:20 PM

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 across California. The Adaptation Clearinghouse allows you to navigate a searchable database of adaptation and resilience resources, curated by climate impact, topic, and region. Importantly, the Adaptation Clearinghouse also 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.

1:30 AM – 4:30 PM

Adaptation Accelerators

**Integrating Tribal Engagement in the Adaptation Planning Process**

Beavis

Take time to connect with tribal members, tribal staff, tribal partners, and adaptation practitioners interested in engagement with tribal communities to chart a path forward after the 2018 California Adaptation Forum. Participants will share key takeaways from the Forum and have the opportunity to hear stories and advice from tribal members and partners, as well as to discuss new ideas and approaches for furthering partnerships. It is clear that there are many adaptation efforts from cities, counties, and states that do not adequately connect and collaborate with neighboring tribal communities. This accelerator is an opportunity for tribal members and adaptation practitioners to come together and build regional collaboration that acknowledges contributions and knowledge from tribal communities while developing relevant and realistic resilience-building strategies.

- ◆ **Christina Snider** | Tribal Advisor, Office of Governor Edmund G. Brown, Jr.
- ◆ **Dore Bietz** | Planner/Emergency Planner, Tuolumne Band of Me-Wuk Indians
- ◆ **Anthony Leonard** | Community Design Project Manager, Local Government Commission
- ◆ **Amber Pairis** | Director, Climate Science Alliance

**Resilience Begins with Community: From the Grassroots to Philanthropy**

Bataglieri

In recent years, environmental and climate justice have continued to gain attention – from foundations and State agencies to members of the press. While we are seeing a shift in policies and funding priorities to invest in “disadvantaged” communities, community-based organizations and decision-makers must work in partnership in order to realize shared goals. This workshop will bring together environmental justice leaders and funders to explore the big questions that remain: How can we ensure the long-term sustainability of environmental justice organizations while creating pathways for career advancement? What metrics or indicators can be systematically adopted in order to track progress on equitable adaptation? Can we go beyond technical assistance and small grants to build true organizational capacity?

- ◆ **Moderator: Phoenix Armenta** | Coordinator, Resilience Communities Initiative
- ◆ **Carl Anthony** | Co-Director, Breakthrough Communities
- ◆ **Terrie Green** | Co-Director, Shore Up Marin
- ◆ **Shreya Shankar** | Director, Rooted in Resilience
- ◆ **Sheridan Enomoto** | Climate and Environmental Justice Community Organizer/Policy Advocate, Greenaction for Health and Environmental Justice
- ◆ **Douglas Mundo** | Co-Director, Shore Up Marin
- ◆ **Nahal Ghoghaie** | Bay Area Program Coordinator, Environmental Justice Coalition for Water
- ◆ **Brian Beverage** | Co-Director, West Oakland Environmental Indicators Project
- ◆ **Bradley Angel** | Executive Director, Greenaction for Health and Environmental Justice
- ◆ **Colin Bailey** | Executive Director, Environmental Justice Coalition for Water

**Catalyzing Adaptation Projects In Your Agency: A Hands-On Workshop**

Tofanelli

Is your community working to address extreme heat and the urban heat island effect? Curious about strategies, approaches, policies, and programs that other communities are developing? Come and learn from your fellow urban heat island practitioners from around the state, as we come together to share projects and strategies, exchange ideas, and troubleshoot challenges, with the goal of furthering local efforts to mitigate the urban heat island effect, maximize co-benefits, protect public health, and increase community and social resilience for the vulnerable and under-served. This workshop will be driven by participant discussion and peer learning, but opening speakers working across state will help frame the discussion. By the end of the workshop, attendees will gain insights, spark new ideas, and start to build a network of colleagues around the state.

- ◆ **Shelley Jiang** | Climate Change Coordinator, Sacramento Metropolitan Air Quality Management District
- ◆ **Michael McCormick** | Senior Planning Advisor, Governor's Office of Planning and Research
- ◆ **Jonathan Parfrey** | Executive Director, Climate Resolve

## Climate Action for Conservation

Tofanelli

Want to jumpstart a climate adaptation project in your organization? Alameda County has developed an approach to help local government teams catalyze climate adaptation projects within departments. A climate champion within a team can take the lead on designing and holding a half-day workshop on a climate impact that directly affects a team's work or clients. At such a workshop, the team will learn about the impact and start to develop next steps to prepare for it. The climate adaptation steps developed together by the team are likely to be feasible and fit with other team goals. This accelerator will walk you through how you can apply this model. You'll get behind-the-scenes insights into how the County's Sustainability, Planning, and Public Health teams identified key climate impacts and brought internal stakeholders together. You'll walk away with a workshop outline and a written guide to support you after the session.

- ◆ **Moderator: Sarah Church** | Sustainability Project Manager, Alameda County Office of Sustainability (moderator)
- ◆ **Anna Lee** | Local Policy Coordinator, Alameda County Public Health Department
- ◆ **Emily Sadigh** | Sustainability Project Manager, Alameda County Office of Sustainability

## Expanding Coastal Networks to Accelerate Adaptation and Incorporate Equity

Camellia

Professional networks provide an important avenue for sharing ideas, information, and best practices to catalyze adaptation work. Various networks are forming and expanding throughout the state, including the Coastal Resilience Network, regional collaboratives, informal County to County exchanges, and others. This session will provide an opportunity to assess the effectiveness of the existing networks and to shape their future direction. As the facilitator of the Coastal Resilience Network, recently taking over this role from The Nature Conservancy, the Coastal Conservancy is interested in discussing the network's future direction in the context of other efforts. Through snapshot presentations, facilitated breakout group discussions and gaps analysis, the session will highlight existing networks, explore what is working and what is missing, and strategize how to apply more of an equity lens to the networks and the work they aspire to do. The goal is to develop concrete recommendations for future action.

- ◆ **Moderator: Sarah van der Schalie** | Coastal Management Specialist, NOAA Office for Coastal Management (moderator)
- ◆ **Amea Raval** | Policy and Research Associate, Asian Pacific Environmental Network
- ◆ **Rachel Jacobson** | Senior Program Manager, American Society for Adaptation Professionals
- ◆ **Hannah Doress** | Principal, Word Out Consulting and Shore-Up Marin
- ◆ **Carrie Boyle** | Sea Grant Fellow, CA State Coastal Conservancy
- ◆ **Laura Engeman** | Program Manager, Center for Climate Change Impacts & Adaptation
- ◆ **Chris Choo** | Principal Watershed Planner, County of Marin
- ◆ **Jasneet Sharma** | Climate Resiliency Specialist, San Mateo County
- ◆ **Juliano Calil** | Senior Fellow, Center for the Blue Economy; Adjunct Professor, Middlebury Institute of International Studies at Monterey

## ASAP Members Lead the Transfer of Adaptation Takeaways to GCAS

Bondi

The purpose of this workshop is to prepare to holistically represent California adaptation practitioners' perspectives at the Global Climate Action Summit (GCAS) and in other national and international contexts. Drawing on the American Society of Adaptation Professionals (ASAP) Daily Digests from CAF 2018, participants will synthesize the knowledge, experiences, and skills shared during the conference. This synthesis will culminate in the creation of resources for GCAS that summarize practitioner needs and practitioner-defined success and best practices. The second half of this workshop will serve as ASAP's annual in-person member meeting and will be an opportunity to cover organizational business and network with ASAP members. The first 90 minutes of the workshop will be open to all CAF attendees and the second 90 minutes will be open to ASAP members in good standing.

- ◆ **Moderator: Beth Gibbons** | Executive Director, American Society of Adaptation Professionals
- ◆ **Hannah Doress** | Principal, Word Out Consulting and Shore Up Marin
- ◆ **Emily Wasley** | Senior Climate Risk and Resilience Specialist, The Cadmus Group
- ◆ **Jessica Grannis** | Adaptation Program Manager, Georgetown Climate Center
- ◆ **Steve Adams** | Director of Urban Resilience, Institute for Sustainable Communities
- ◆ **Kendall Starkman** | Advisory Services Manager, Four Twenty Seven
- ◆ **Rachel Jacobson** | Senior Program Manager, American Society of Adaptation Professionals

## Preparing Your Community's Vulnerability Assessment and Adaptation Plan

Gardenia

Local governments and regions statewide are implementing new general plan mandates and guidance for local hazard mitigation plans, local coastal programs, climate action plans, and adaptation plans. New tools and resources to support this work were developed and are hosted through the Integrated Climate Adaptation and Resiliency Program (ICARP) Adaptation Clearinghouse. These include the Regional Toolkit for Climate Change Adaptation, the Compass Coastal Plan Alignment Tool and others. Join the lead staff that developed these resources and tools from EPA, FEMA, NOAA, USGS, OPR, CalOES, MTC/ABAG, and the Central Coast Climate Collaborative. Throughout breakout exercises, we will walk through inland and coastal jurisdiction examples to highlight how to use the variety of resources to establish a vulnerability assessment, adaptation plan, funding assumptions, and updated general plan safety element. Additional discussions on how Local Coastal Program development and Local Hazard Mitigation Plan development will also be covered.

- ◆ **Mindy Craig** | Owner and Principal, Blue Point Consulting
- ◆ **Tiffany Wise-West** | Sustainability and Climate Action Manager, City of Santa Cruz
- ◆ **Juliette Hayes** | Risk Analysis Branch Chief, FEMA
- ◆ **Abby Hall** | Senior Advisor on Local and Regional Planning, U.S. EPA
- ◆ **Arietta Chakos** | Principal, Urban Resilience Strategies
- ◆ **Dana Brechwald** | Regional Resilience Specialist, Association of Bay Area Governments
- ◆ **Allison Kearns** | Senior Community Planner, FEMA Region 9
- ◆ **Becky Lunde** | West Coast Regional Director, NOAA Office of Coastal Management
- ◆ **Juliette Hart** | Oceanographer & Director of Outreach, USGS Pacific Coastal and Marine Science Center
- ◆ **Jacques Bertrand** | Vice Mayor, City of Capitola
- ◆ **Michael McCormick** | Senior Planning Advisor, Governor's Office of Planning and Research (OPR)
- ◆ **Nuin-Tara Key** | Resilience Program Manager, OPR
- ◆ **Greta Soos** | Associate Intergovernmental Program Analyst, OPR

## 2018 Forum Sponsors

Thank you to all of our sponsors for their generous support, each of whom are committed to making California safer in the face of climate change! These agencies, organizations, and companies provide the necessary monetary and in-kind support, and their active role in the planning process and program development helps shape this dynamic multidisciplinary event.

### Superstars

- ◆ Bay Area Air Quality Management District
- ◆ Southern California Edison

### Catalyst

- ◆ WSP

### Leaders

- ◆ Center for Climate Change Impacts and Adaptation
- ◆ The Kresge Foundation
- ◆ Sacramento Metropolitan Air Quality Management District (SMAQMD)
- ◆ Sacramento Municipal Utility District (SMUD)

### Advocates

- ◆ American Society of Adaptation Professionals
- ◆ Bay Area Council
- ◆ SoCal REN & BayREN
- ◆ Climate Resolve
- ◆ East Bay Community Foundation
- ◆ Metropolitan Transportation Commission
- ◆ Pacific Gas and Electric Company
- ◆ Port of San Diego
- ◆ Resource Legacy Fund
- ◆ San Diego Gas and Electric
- ◆ San Francisco Water Power Sewer Management District
- ◆ Southern California Association of Governments
- ◆ Southern California Gas



## Supporters

- ◆ Adaptation International
- ◆ Ascent Environmental
- ◆ California State Association of Counties
- ◆ CSU Council on Ocean Affairs, Science & Technology (COAST)
- ◆ California State Coastal Conservancy
- ◆ EcoAdapt
- ◆ Environmental Science Associates
- ◆ Four Twenty Seven Climate Solutions
- ◆ Institute for Local Government
- ◆ ICF International
- ◆ Jupiter
- ◆ Los Angeles Department of Water and Power
- ◆ Michael Baker International
- ◆ National Adaptation Forum
- ◆ National Oceanic and Atmospheric Administration
- ◆ Sacramento Regional Transit
- ◆ Stanford Center for Ocean Solutions
- ◆ California State University
- ◆ The Energy Coalition
- ◆ The Nature Conservancy
- ◆ The Trust for Public Land

## Proponents

- ◆ Cadmus Group
- ◆ CalTrans
- ◆ Environmental and Energy Consulting
- ◆ San Francisco Federal Reserve Bank
- ◆ Loyola Marymount University Center for Urban Resilience
- ◆ Marin Clean Energy
- ◆ Sacramento Metropolitan Chamber of Commerce
- ◆ Los Angeles County Metropolitan Transportation Authority
- ◆ PlaceWorks
- ◆ USC Sea Grant
- ◆ Student Conservation Association
- ◆ TerraPass
- ◆ Union of Concerned Scientists
- ◆ Yolo Energy Watch

## Community Matters Business Partners

- ◆ Calpine
- ◆ Renovate America
- ◆ Skeo
- ◆ TerraVerde Energy
- ◆ Volta



## 2018 Forum Promotional Partners

Thank you to all of our promotional partners and your commitment to reaching new stakeholder groups to engage in adaptation efforts!

Forum promotional partners play a vital role in the overall success of this event. Through their non-monetary support, agencies, organizations, and association get the word out about this important statewide forum to a multi-disciplinary audience. In return, promotional partners are able to demonstrate their commitment to advancing adaptation in California and activate their networks to engage in this important event.

AECOM	Institute for Local Government
Adaptation International	Los Angeles Regional Collaborative for Climate Action and Sustainability
Alliance of Regional Collaboratives for Climate Adaptation	Local Government Sustainable Energy Coalition
America Adapts	Minerva Ventures
American Farmland Trust	Move LA
American Institute of Architects, California Council	Metropolitan Water District of Southern California
American Society of Adaptation Professionals	National Adaptation Forum
Bay Area Climate Adaptation Network	Native American Environmental Protection Coalition
Business Council on Climate Change	Next 10
California Department of Public Health	NHA Advisors
California Municipal Utilities Association	North Coast Resource Partnership
California Polytechnic State University	PECI
Capital Region Climate Readiness Collaborative	Power Association of Northern California
Center for Creative Land Recycling	Prospect Silicon Valley
Central Coast Climate Collaborative	Regional Water Authority
Climate Access	River LA
Climate Science Alliance	Rural Community Development Corporation of California
CSU Council on Ocean Affairs, Science & Technology	Sacramento Metropolitan Air Quality Management District
California State Coastal Conservancy	San Diego Regional Climate Collaborative
Cool Effect	Sierra Business Council
Defenders of Wildlife	Sierra Climate Adaptation & Mitigation Partnership
DNV GL	Sierra Nevada Alliance
EcoAdapt	StopWaste
ecoAmerica	Tahoe Regional Planning Agency
ESA	The Business Council for Sustainable Energy
Four Twenty Seven	The Energy Coalition
Georgetown Climate Center	The Nature Conservancy
Global Green USA	U.S. Climate Health Alliance
Gold Ridge Resource Conservation District	Value Sustainability
ICLEI	Western Riverside Council of Governments
Infrastructure USA	Yolo-Solano Air Quality Management District

## Art of Change

Art, in its varied forms, can shape our perceptions of the world and plays a pivotal role in supporting societal change. The Climate Science Alliance, in partnership with the Center for Climate Change Impacts and Adaptation at Scripps Institution of Oceanography, aims to bridge the gap between scientists and the community through art and innovative media. We see arts and media as a valuable tool for communicating science to diverse audiences by cutting across cultures, ages, education levels, and socioeconomic status. As the risks and impacts of our changing climate unfold, it is now more important than ever to engage our communities in unique and creative ways to inspire the kind of engagement and actions that will ensure future resilience. We are excited to be showcasing various art pieces at the 3rd California Adaptation Forum!



The "Art of Change" is an ever-expanding traveling exhibition of climate art from our Affiliate Artists and local youth in our Climate Kids program, as well as collaborative pieces made at community events. Each piece strategically couples regionally relevant climate messages and actions with varying artistic modalities. To date, "Art of Change" has been showcased in venues throughout California.



Learn more about the "Art of Change" by visiting:  
[climatesciencealliance.org/art-of-change](http://climatesciencealliance.org/art-of-change)

## The California Adaptation Forum — A Green Event

The Local Government Commission (LGC) and its forum partners work hard each year to reduce environmental impacts, including the amount of waste generated and energy consumed to produce the 3rd California Adaptation Forum.

Forum organizers will also work closely with the Sheraton Grand Hotel, and any outside vendors and caterers to conserve resources used during our event, and to ensure the following:

- ◆ On-site recycling is available. Only reusable utensils, napkins, and tablecloths are used.
- ◆ Condiments and other food items are served in bulk whenever possible.
- ◆ Locally grown, seasonal food is incorporated into the forum menu whenever possible.

## Sheraton Grand Sacramento – A Leader in the California Green Lodging Program

The Sheraton Grand Sacramento has been awarded Leadership level Status in the California Green Lodging Program by being environmentally conscious and exercising the following green initiatives:

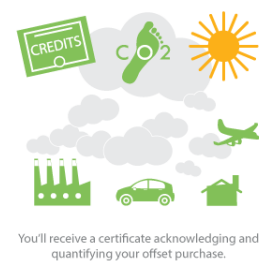
- ◆ Recycle bins throughout hotel public areas, meeting rooms, back of house and guestrooms
- ◆ Motion-sensor lighting throughout hotel, including guestrooms
- ◆ Guestroom heating and air conditioning activated by motion sensors
- ◆ Hotel waste separated prior to removal: Wet, Dry and Recyclable products
- ◆ Kitchens follow Starwood energy-saving policies
- ◆ Paper recycling for all offices
- ◆ Programmable thermostats in guest rooms & meeting rooms
- ◆ CFL light bulbs throughout hotel
- ◆ Linen reuse program in guest rooms
- ◆ Sustainable offerings on our banquet menu
- ◆ Partnering with SMUD to develop a green lobby
- ◆ Participant in the Fiji Water recycle program
- ◆ Sheraton Grand Sacramento is a participant in the Sacramento Hotel Association's initiative to be a "Compost County"



## Offsetting the Conference's Carbon Footprint

As done previously at the 2014 and 2016 California Adaptation Forum, the forum organizers will calculate the estimated greenhouse gas emissions that are generated as a result of the forum.

To offset that footprint, TerraPass is generously sponsoring the forum's Carbon Offsets required to make this a truly environmentally conscious event.



## A Commitment to Equity at CAF

As a statewide convening, the California Adaptation Forum recognizes that building a more comprehensive and climate-smart future requires us to foster an inclusive community practice that will address equity and climate justice in our policies, strategies and implementation solutions.

## Forum Acknowledgments

The Forum acknowledges the leadership and guidance of its advisory committees, those who review the wonderful session proposals, and all those who helped make this event a great success.

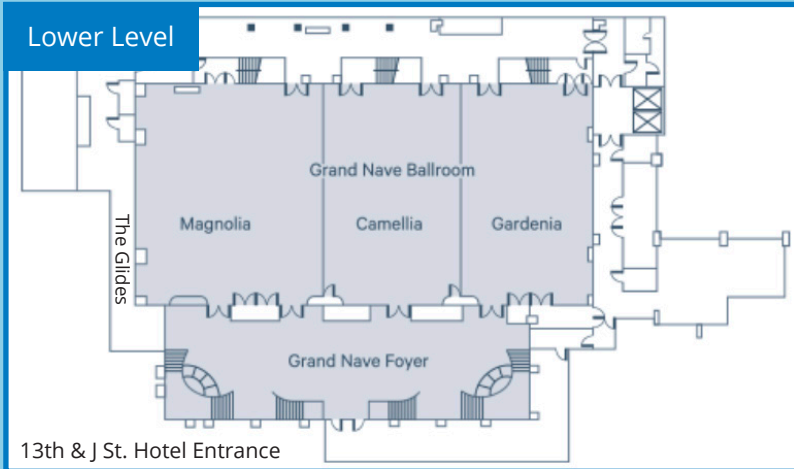
## Equity & Tribal Advisory Committee

Angela Mooney D'Arcy | Sacred Places Institute for Indigenous Peoples • Aurash Khawarзад | Race Forward • Chief Caleen Sisk | Winnemem Wintu Tribe • David Jaber | Blue Star Integrative Studio • Dore Bietz | Tuolumne Band of Me-Wuk Indians • Dorette Quintana English | California Department of Public Health • Fernando Cazares | The Trust for Public Land • Hoi-Fei Mok | ICLEI • Joe Hostler | Yurok Tribe Environmental Program • Jonathan Kusel | Sierra Institute for Community and Environment • Jordyn Bishop | The Greenlining Institute • Lucas Zucker | Central Coast Alliance United for a Sustainable Economy • Maggie Sanders | Nisqually Indian Tribe • Phoenix Love Armenta | Resilient Communities Initiative • Sascha Peteresen | Adaptation International • Sona Mohnot | The Greenlining Institute • Victoria Benson | Movement Strategy Center

## Program Advisory Committee

Aaron Klemm | California State University • Alexandra Leumer | The Nature Conservancy • Amy Hutzel | California State Coastal Conservancy • Beth Gibbons | Adaptation Professionals • Colin Kelly | Pacific Forest Trust • Curtis E. Alling | Ascent Environmental, Inc. • Daniel Barry | ecoAmerica • David Behar | San Francisco Public Utilities • Deborah Halberstadt | California Ocean Protection Council • Deborah Moore | Union of Concerned Scientists • Devin Middlebrook | Tahoe Regional Planning Agency • Ellie Cohen | Point Blue Conservation Science • Emily Wasley | Cadmus • Garrett Wong | City of Santa Monica • Jeff Henderson | Delta Stewardship Council • Jenn Phillips | California Ocean Protection Council • Jessica Grannis | Georgetown Climate Center • Jessie Feller Hahn | Meeting of the Minds • Jim Branham | Sierra Nevada Conservancy • Joey Wraithwall | California Natural Resources Agency • John Andrew | California Department of Water Resources • John Blue | California Environmental Protection Agency • Jonathan Parfrey | Climate Resolve • Kara Heckert | American Farmland Trust • Karalee Browne | Institute for Local Government • Laura Engeman | Center for Climate Change Impacts and Adaptation • Laurel Hunt | Los Angeles Regional Collaborative for Climate Action and Sustainability • Louis Blumberg | The Nature Conservancy • Matt Henigan | California Government Operations Agency • Meg Arnold | Valley Vision • Michael Boswell | California Polytechnic State University • Michael McCormick | Governor's Office of Planning and Research • Mike Antos | Santa Ana Watershed Project Authority • Millie Levin | California Office of Emergency Services • Nikki Caravelli | Sierra Business Council • Nile Malloy | Neighborhood Funders Group • Nuin-Tara Key | California Governor's Office of Planning and Research • Rachel Jacobson | American Society of Adaptation Professionals • Robert Kay | ICF • Sabrina Bornstein | City of Los Angeles, Mayor's Office • Steve Frisch | Sierra Business Council • Yoon Km | Four Twenty Seven

# Sheraton Grand Hotel



Forum registration is in The Glides, just inside the 13th and J Street Entrance to the hotel.

Sponsor displays are in the Grand Nave Foyer and on the second floor.

Coffee Breaks are in the Grand Nave Foyer and Morgan's Restaurant.

Plenary sessions and lunches are in the Grand Nave Ballroom on the lower level.

What are you looking forward to telling your colleagues back home about the forum?



Share on Facebook and Twitter: **#CAadapts**

**CaliforniaAdaptationForum.org**

