
COMMUNITY ENVIRONMENTAL COUNCIL'S
CLIMATE RESILIENCE ROUNDTABLE

Sea Level Rise & Flooding

MARCH 4, 2020 8:30 AM – 1:30 PM
Hatch Hall, Direct Relief



Community
Environmental
Council

AGENDA

ABOUT THE CLIMATE RESILIENCE ROUNDTABLES

In recognition of current and future climate impacts, the Community Environmental Council (CEC) is convening a series of roundtables that address climate resilience and adaptation issues in Santa Barbara County.

The roundtables are organized around the identified threats from the Fourth California Climate Change Assessment: sea level rise, heavy precipitation events, temperature increase, increased wildfire, drought, and decreasing snowpack and water supply. Together with community leaders and partners, we will examine these threats through the lens of public and mental health, social justice, economic impacts, infrastructure vulnerabilities, and natural systems and working landscapes.

The first Climate Resilience Roundtable, held in November 2019, focused on wildfire and smoke. We are now tackling sea level rise and flooding, which will cause beach and bluff erosion while exposing critical infrastructure, neighborhoods and other community assets to severe, frequent flooding.

GOALS OF THE ROUNDTABLES

Through this roundtable series, we'll frame a community vision for climate resilience and adaptation for Santa Barbara County by identifying potential actions and strategies.

Our goals are to:

- Build trust, strengthen networks, catalyze partnerships and align climate planning and resilience efforts
- Engage important underrepresented voices and perspectives for a more cohesive community-wide approach to climate adaptation
- Identify opportunities, gaps, critical issues and tensions in need of resolution or focus
- Frame a collaborative vision for climate and disaster resilience with actionable next steps

AGENDA

8:00am REGISTRATION, COFFEE AND PASTRIES

8:30am WELCOME & OVERVIEW

Overlapping Climate Threats in Santa Barbara County
Sigrid Wright, CEO, Community Environmental Council

Framing & Process for the Day
Carl Palmer & Carrie Kappel, LegacyWorks Group

9:00am SESSION ONE

Climate Change Impacts to Our Coast
Patrick Barnard, PhD, US Geological Survey

Table Level Exercise: Sharing Stories
Carl Palmer & Carrie Kappel, LegacyWorks Group

Incorporating Social Vulnerability and Virtual Reality in Climate Adaptation
Juliano Calil, PhD, Center for the Blue Economy, Middlebury Institute of International Studies & Virtual Planet Technologies

Exploring Vulnerabilities: Personal Experiences
Flash Panel: Ernesto Paredes, Yesenia DeCasaus, Monique Myers

10:00am COFFEE BREAK

10:20am SESSION TWO

Santa Barbara Regional Climate Collaboration
Ashley Watkins, Sustainability Division, County of Santa Barbara

Coastal Vulnerability and Adaptation Planning Across the Santa Barbara Region
Dave Revell, PhD, Integral Consulting and Revell Coastal

Table Level Exercises
Carl Palmer & Carrie Kappel, LegacyWorks Group

- Understanding Sea Level Rise & Flooding Impacts & Vulnerabilities
- Actionable Steps To Build Resilience

Crowd Sourcing: Ways to Enhance Resilience
Carrie Kappel, LegacyWorks Group

Synthesis & Reflection
Mona Miyasato, CEO, County of Santa Barbara & Sigrid Wright, CEO, Community Environmental Council

Next Steps, Resources & Closing
**Carl Palmer & Carrie Kappel, LegacyWorks Group
Sharyn Main, Community Environmental Council**

12:30pm LUNCH – Networking, Tool Demos, Unconferencing

KEYNOTE SPEAKERS

Patrick Barnard, Ph.D. US Geological Survey



Dr. Patrick Barnard has been a Coastal Geologist with the USGS Pacific Coastal and Marine Science Center in Santa Cruz since 2003, and is the Research Director for the Coastal Climate Impacts Program. His research focuses on storm- and climate-related coastal hazards for the communities bordering the Pacific Ocean. He serves on numerous regional, national and international scientific review panels related to climate change and coastal hazards, and has advised members of the U.S. Congress and Cabinet, as well as state and local government representatives. His research has been published in over 80 peer-reviewed scientific papers, including *Nature*, and presented over 100 times at scientific conferences and universities. He received a BA from Williams College, MS from University of South Florida, and Ph.D. from UC Riverside.

Juliano Calil, Ph.D. Center for the Blue Economy,
Middlebury Institute of International Studies
& Virtual Planet Technologies



Dr. Juliano Calil is a senior research fellow at the Center for the Blue Economy, Adjunct Professor at the Middlebury Institute of International Studies, and founder of Virtual Planet Technologies. Juliano's work is motivated by the urgent need to reduce climate change impacts by adopting equitable adaptation strategies. Juliano integrates data from multiple disciplines including climate science, conservation, and socioeconomics to identify vulnerable areas and suitable adaptation strategies. He is currently designing and implementing innovative education and outreach tools to visualize coastal impacts and solutions using Virtual Reality. He has published studies in California, Florida, Latin America and the Caribbean, Gulf of Mexico, and The Mid-Atlantic region. Juliano was awarded his Ph.D. in Ocean Sciences from UC Santa Cruz with a focus on multidisciplinary approaches to coastal adaptation. He also holds a Master of Environmental Science and Management (MESM) from the Bren School at UCSB, and a Bachelor of Business Administration (BBA) from Fundação Armando Álvares Penteado (FAAP) in Brazil.

Dave Revell, Ph.D. Integral Consulting and Revell Coastal

David Revell, Ph.D., is a Principal at Integral Consulting Inc. (Integral). Dr. Revell is a coastal geomorphologist with expertise in marine and estuarine processes, particularly at the intersection of science and management of coastal processes and climate change. He has served as a technical advisor and facilitator to multiple federal, state, and local jurisdictions related to sea level rise, sediment management, and a variety of contentious ocean, estuary, and coastal management issues. He is the former president and chief scientist of Revell Coastal, bringing more than 25 years of experience in coastal sciences.



Dr. Revell holds a Ph.D. in earth sciences from the University of California, Santa Cruz, an M.S. in oceanography and marine resource management from Oregon State University, and B.A. degrees in environmental studies and geography from the University of California, Santa Barbara.



Isla Vista beach - Brian Hall / Santa Barbara Channelkeeper

FACILITATION

Carl Palmer & Carrie Kappel LegacyWorks Group

Carl Palmer is the founder, President and Executive Director of LegacyWorks Group. Carl has led innovative community impact initiatives for the past 17 years. His experience spans impact investing, nonprofit leadership, ecological restoration, strategy development, entrepreneurship, investment management and place-based education.



Dr. Carrie Kappel is a skilled facilitator and research scientist with over 14 years of experience participating in, leading, and facilitating trans-disciplinary collaborative working groups at UCSB's National Center for Ecological Analysis and Synthesis, and beyond. She brings a unique combination of technical, interpersonal, listening, and visual skills to bear in helping diverse groups come together to solve challenging problems.

LegacyWorks Group empowers organizations and communities to dare to do what they dream. They offer a range of programs and services including facilitation and coaching, project management, strategy and action planning, and raising capital. LegacyWorks Group is based in Santa Barbara with additional offices and projects in Teton Valley, Idaho and Baja California Sur, Mexico.



STEERING COMMITTEE

The roundtable series is being hosted by the Community Environmental Council and guided by a small team of community leaders and issue experts. The Steering Committee will determine the themes for each roundtable, identify speakers and help shape the community conversations. We are grateful for their time and commitment to overseeing this roundtable series.

Mimi Audelo

City of Carpinteria Emergency Services

Rachel Couch

California Coastal Conservancy

Aeron Arlin Genet

Santa Barbara County
Air Pollution Control District

Iris Kelly

Community Environmental Council

Sharyn Main

Community Environmental Council

Monique Myers

California Sea Grant

Abe Powell

Santa Barbara Bucket Brigade

Michelle Sevilla

Office of Assemblymember
Monique Limón

Ashley Watkins

Santa Barbara County
Sustainability Division

Sigrid Wright

Community Environmental Council

Lucas Zucker

Central Coast Alliance United
for a Sustainable Economy (CAUSE)

PROJECT SUPPORTERS

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SAVE THE DATE

APR 17, FRI 5:00PM - 9:00PM
APR 18, SAT 11:00AM - 8:00PM
APR 19, SUN 11:00AM - 6:00PM

Santa Barbara Earth Day Festival

2+ days of music, family fun and environmental education. FREE.

Alameda Park
Santa Barbara

APR 19, SUN 9:00AM - 11:00AM

Climate Summit 2

Youth activists and seasoned climate leaders are invited to this convening as part of the Earth Day Festival

Alameda Park Pavilion
Santa Barbara

MAY 4, MON 7:30PM - 9:00PM

Elizabeth Rush Rising: Dispatches from the New American Shore

UCSB Library presents a talk by Pulitzer Prize finalist Elizabeth Rush. Her book explores how humans adapt to changes enacted upon them by forces seemingly beyond their control.

Arlington Theatre
1317 State St, Santa Barbara

MAY / JUNE 2020

Climate Resilience Roundtable: Heat & Drought

Location: North Santa Barbara County
(TBA)

**Community
Environmental
Council**



BOLD CLIMATE ACTION

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About the
**COMMUNITY
ENVIRONMENTAL
COUNCIL (CEC)**

Since 1970, CEC has incubated and innovated real life solutions that directly impact climate change. Our programs lead to clean vehicles, solar energy, resilient food systems and reduction of single-use plastic. We educate and activate the community by producing events like the annual Santa Barbara Earth Day Festival.



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#ClimateResilience