

# A Practitioner-led Workshop to Advance Resilience to Sea Level Rise: Leading Practices and Current Challenges

**February 14, 15, 16**

Africa, Caribbean, Central America, Europe, Middle East, North America, South America

**February 22, 23, 24**

Asia, Oceania, Pacific Islands

# 1. Science – Shared challenges for practitioners

## Sea Level Science Grapples with Uncertainty and Usability

*Improved transdisciplinary approaches are needed to ensure that research on rising seas is useful for planning in coastal communities.*

**'Uncertainty is not our friend': Scientists are still struggling to understand the sea level risks posed by Antarctica**

Two studies find the Paris climate goals could significantly reduce sea level rise by 2100 — but also show researchers still grappling with how climate change will alter the world's largest ice sheet

**Quit Worrying About Uncertainty in Sea Level Projections**

Emphasizing uncertainty in model projections of long-term sea level rise is a misguided approach. Instead, we should focus on communicating what we do know while improving model confidence.

## 2. Planning and Adaptation Action

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**Sea level rise warning:  
Alarming UK maps show areas  
to be hit by extreme risk  
of flooding**

**African Heritage Sites  
threatened by coastal  
flooding and erosion as  
sea-level rise accelerates**

**CLIMATE CHANGE IS STRETCHING  
MUMBAI TO ITS LIMIT**

Facing sea-level rise, flooding, and landslides, the city's residents are finding resilience—because they have little other choice.

**Protect or Retreat: Rising Seas  
Threaten Canada's Atlantic  
and Pacific Coasts**

### 3. Communications – Making the case for action

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**Charleston's sea wall decision  
pushed back just as advocates  
and detractors prepared for vote**

**Forced retreat: one New Zealand  
town's fate highlights coming  
fight over climate adaptation**

**Del Mar will stand its ground  
against managed retreat**

**Research in Tunisia Explores  
Women Pastoralists' Roles in  
Climate Change Adaptation**

# “Sea Level 2022: Advancing Science, Connecting Society”



**Sea Level 2022 Conference**  
Advancing Science, Connecting Society

**12-16 July 2022, Singapore**

Conference website: [www.sealevelconference.org](http://www.sealevelconference.org)



EARTH OBSERVATORY OF SINGAPORE



Ministry of Sustainability and the Environment  
SINGAPORE



METEOROLOGICAL SERVICE SINGAPORE  
Centre for Climate Research Singapore



RIMES

Day 1: Scientist and Practitioner Perspectives

Day 2: Science Update, including Land Ice Contributions

**Day 3: Practitioner Case Studies and Perspectives**

Day 4: Regional Sea Levels and Coastal Variability

Day 5: Looking ahead; The Practitioner/Scientist Interface

**<https://www.sealevelconference.org/>**  
**TRAVEL FUNDING GRANTS WILL BE AVAILABLE**



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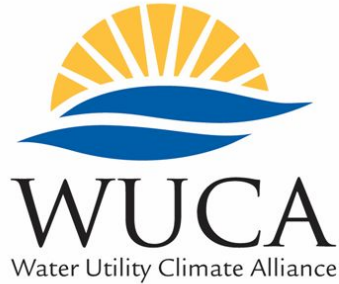
**Day 3: Practitioner Case Studies and Perspectives - **SEEKING SPEAKERS****

Day 4: Regional Sea Levels and Coastal Variability

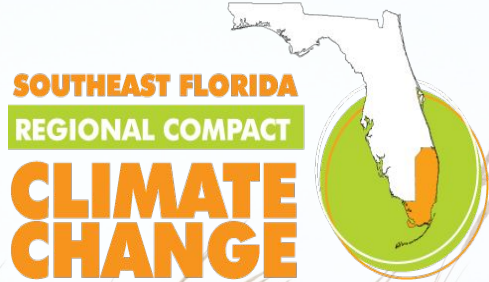
Day 5: Looking ahead; The Practitioner/Scientist Interface

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# “Community of Practice” for Sea Level Rise Adaptation?



Water and Wastewater Utilities  
(founded 2008)



County Government with Partners  
(founded 2010)



Local Government with Partners  
(founded 2018)



# “Community of Practice” for Sea Level Rise Adaptation?

- *We don't know of one at a global scale.*
- *Do you? If so please tell us about it.*
- *Do you think we need one?*
- *And if one existed, would you participate or help lead it?*

**We'll ask these questions and others at the end of the workshop.**



# Organizing Committee

## Co-Chairs

David Behar, San Francisco Public Utilities Commission, United States

Daniella Hirschfeld, Utah State University, United States

## Atlantic Subcommittee

Kwasi Appeaning Addo, University of Ghana, Ghana

Jochen Hinkel, Global Climate Forum, Germany

Hilary Lohmann, Department of Planning and Natural Resources, U.S. Virgin Islands

Robert Nicholls, University of East Anglia, United Kingdom

Gordon Smith, Dept of Municipal Affairs and Housing, Province of Nova Scotia, Canada

## Pacific Subcommittee

Lara Clarke, Planning and Risk Management, GNS Science, New Zealand

Miguel Esteban, Waseda University, Japan

Dave Hanslow, Dept of Planning, Industry, and Environment, New South Wales, Australia

Munsur Rahman, Bangladesh University of Engineering and Technology, Bangladesh

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Facilitators: Jochen Hinkel, Gordon Smith, Daniella Hirschfeld, Ray Boyle, David Behar, Julie Coleman

Workshop Managers: Emily Jack-Scott, Ray Boyle



# Goals & Objectives

- Develop competencies
- Share knowledge
- Build community



# Nature of the Workshop

A Practitioner-led Workshop to Advance Resilience to Sea Level Rise: Leading Practices and Current Challenges



# Flow of the Workshop

## Day 1: Science

Understand and translating sea-level rise science for resilience

## Day 2: Planning + Action

Learning and sharing about planning processes and adaptation actions for sea-level rise

## Day 3: Communicating

Developing skills to communicate challenges and build support with stakeholders



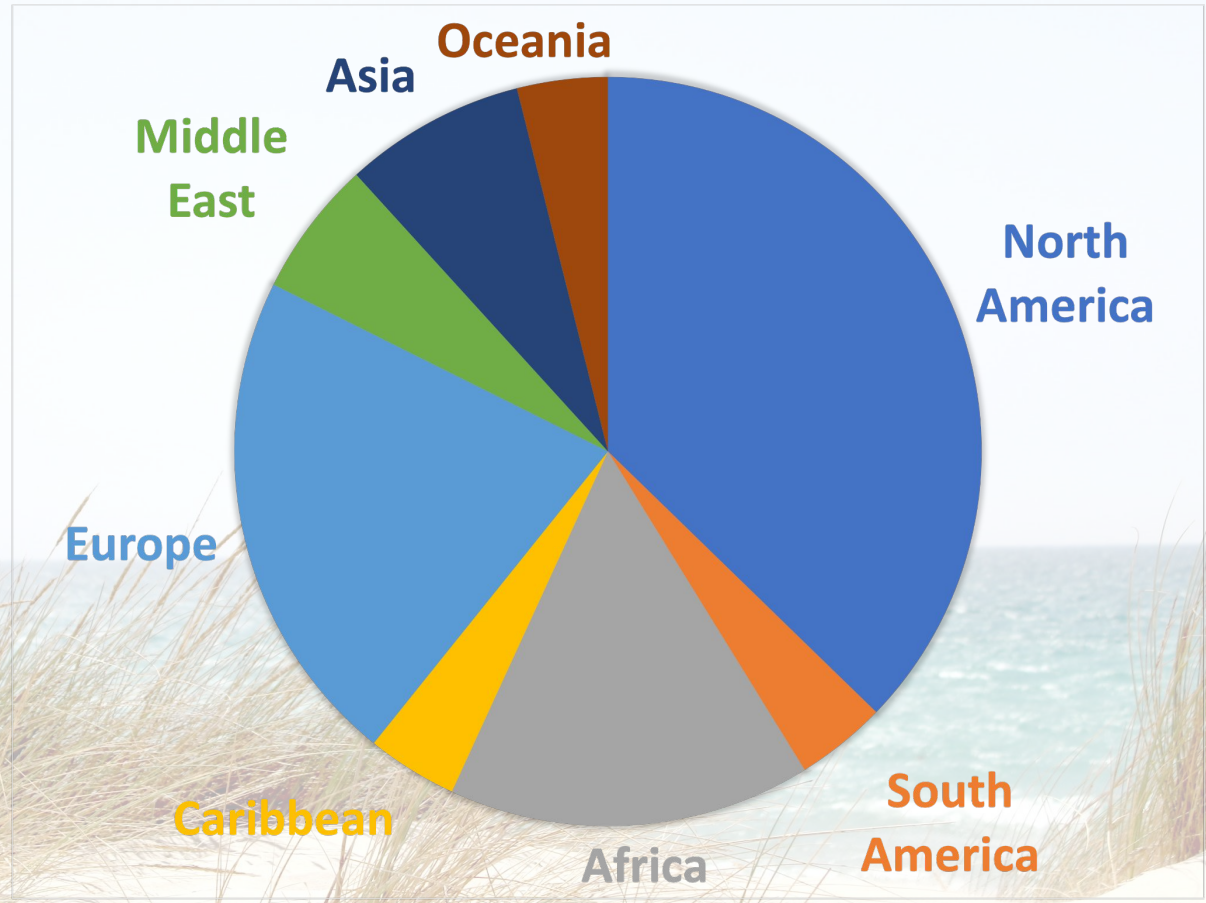
# Flow of the Day

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Welcome Session	20 min
Lightning Talks	25 min
Miro Boards	10 min
Breakout Group Discussion	80 min
Interactive Reflections	5 min
Optional Networking	30 min

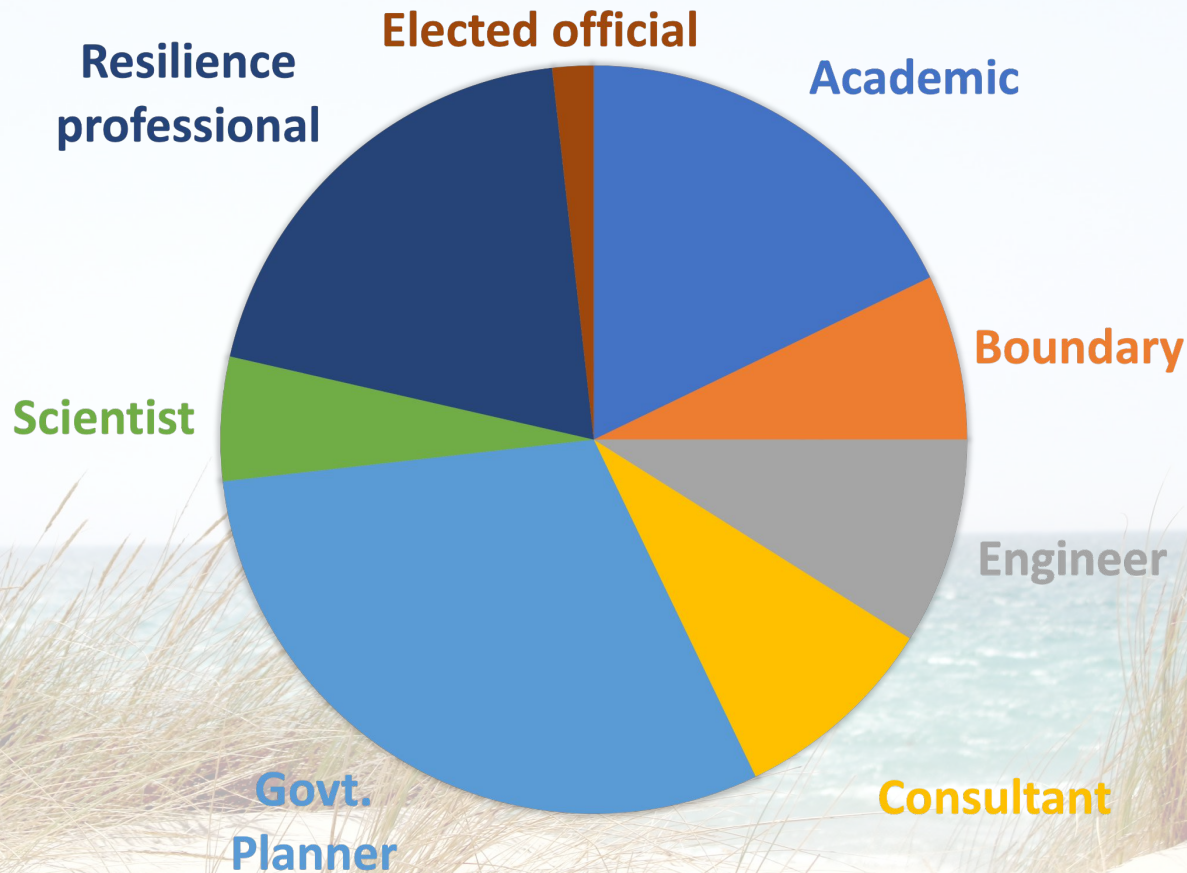


# Participant Snapshot Geography



# Participant Snapshot

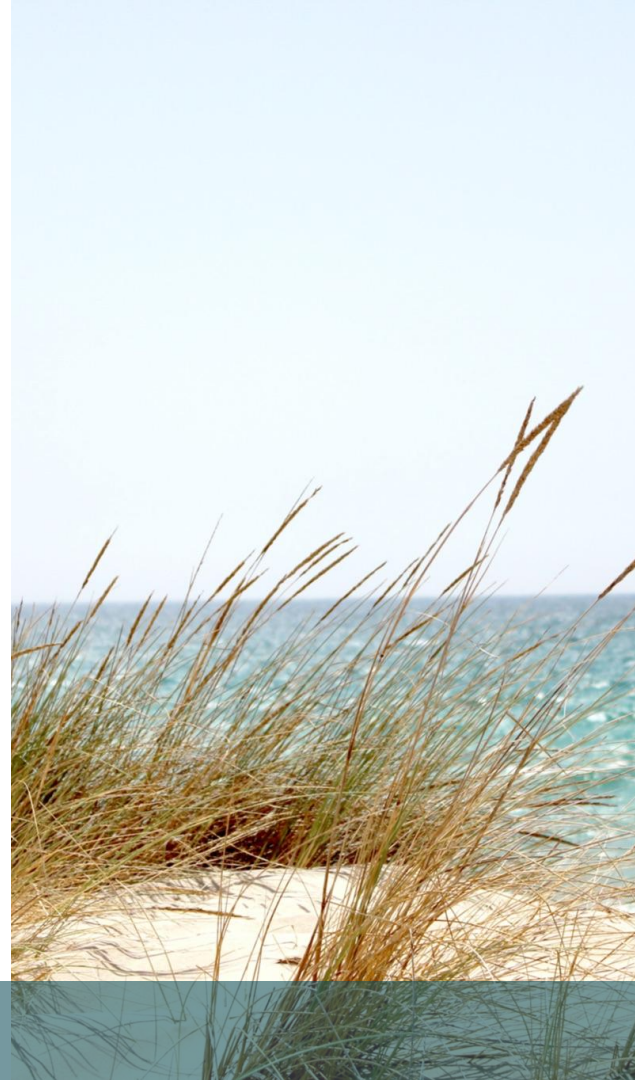
Professional Life





# Logistics

- Rename yourself to include employer/affiliation and gender pronouns
- Turn on your camera
- Gallery vs. speaker view
- Recording! Why?
- For technical assistance send a private chat in Zoom to AGCI's Emily Jack-Scott or Alyson Wright





# Ground Rules

- Be respectful and inclusive.
- Find ways to support the work & ideas of others.
- Be persistent and patient.
- Share our time & space together. Actively listen, contribute, and learn!

