

2024 Coastal Inundation Community of Practice Workshop Participant Agenda

Day 1 (Tuesday, November 12, 2024)	
8:15 am 9:00	Registration and Coffee
9:00 am 9:45	<p>Welcome & Introductions</p> <p>Objective: Participants will gain insight into the development of the Coastal Inundation Community of Practice, learn about its currently envisioned objectives, and meet the members of the organizations and implementation team who are standing it up.</p> <p>Presenters</p> <ul style="list-style-type: none"> • Henry Bell, Washington State Department of Ecology • Mark Osler, Senior Advisor for Coastal Inundation and Resilience, NOAA National Ocean Service • Coastal Inundation Community of Practice Leadership Team
10:20 am 10:35	Break
10:35 am 10:55	<p>Peer Networking Activity</p> <p>Objective: Participants will have the opportunity to meet and engage with other practitioners.</p>
10:55 am 11:55	<p>Local Perspectives Panel</p> <p>Objective: Panelists will share coastal inundation challenges they are facing in their region, stories of success, and their perspectives on transformations for a resilient future.</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Jessica Brunacini, Wells National Estuarine Research Reserve • Fara Ilami, Northeast Florida Regional Council • Jenny Pool Radway, Consejo Hispano • Ariam Torres-Cordero, Graduate School of Planning, University of Puerto Rico, Río Piedras <p>Moderator: Katy Hintzen, Hawai'i Sea Grant & National Sea Grant</p>
12:00 pm 1:00	Networking Lunch

<p>1:00 pm 3:15</p>	<p>Flooding Across Timescales Panel & Inundation Innovation Cafe</p> <p>Objective: Panelists will share and discuss the latest coastal inundation modeling work from NOAA and other federal agencies. Participants will increase awareness of existing tools and have an opportunity to provide input to help inform future plans of the tools.</p> <p>Panelists:</p> <ul style="list-style-type: none"> ● Heidi Stiller, NOAA Office for Coastal Management ● Doug Marcy, NOAA Office for Coastal Management ● Gwen Shaughnessy, NOAA Center for Operational Oceanographic Products & Services ● Christopher Moore, NOAA Pacific Marine Environmental Laboratory ● Patrick Barnard, U.S Geological Survey ● Trey Flowers, NOAA National Weather Service <p>Moderator Lisa Auermuller, Rutgers University, Megalopolitan Coastal Transformation Hub (MACH)</p>
	<p>Inundation Innovation Cafe</p> <p>Objective: Participants will engage through cafe sessions highlighting inundation-related innovations, tools, products, and services.</p>
	<p>Discussion</p> <p>Objective: Discuss and summarize the takeaways</p>
<p>3:15 pm 3:25</p>	<p>Wrap-up & Adjourn</p>
<p>4:30 pm 6:30</p>	<p>(OPTIONAL) Social Hour @ Burke-Gilman Brewery (4:30-6:30 pm) Join us at a local brewery for an informal social hour directly following the workshop. https://www.burkegilmanbrewing.com/events</p> <p>Directions: 3626 NE 45th St, Suite 102 Seattle, WA 98105</p>
	<p>Explore Seattle Evening activities and dinner on your own. Opportunity to explore Seattle and connect with other practitioners over dinner. Local recommendations will be provided.</p>

Day 2 (Wednesday, November 13, 2024)	
8:00 am 8:30	Welcome back! Registration Desk Open and Coffee
8:30 am 9:35	<p>Concurrent A: Community-centered Resilience</p> <ul style="list-style-type: none"> ● Community-led Climate Resilience Programs in Urban and Rural Communities Qiyamah Williams, Mississippi State University Extension/Mississippi-Alabama Sea Grant ● Increasing Community Resilience through Washington State's inter-agency Coastal Hazard Organizational Resilience Team (COHORT) Ellen Chappelka, Washington State Emergency Management Division Sanpisa Sritrairat, Washington Sea Grant ● Bridging Communities: Evaluating Engagement Strategies in the Connecticut Community Participation and Risk Communication Pilot Sarah Schechter, Connecticut Sea Grant
	<p>Concurrent B: Inundation Technology Innovations</p> <ul style="list-style-type: none"> ● Public-private partnerships for improved monitoring, alerting, and predictions of hyperlocal flooding Brian Glazer, Hohonu ● Leveraging FloodVision to inform Resilience Decision-Making Dan Rizza, Climate Central Fara Ilami, Northeast Florida Regional Council ● Alaska Flood Inundation Tool (AK-FIT) Keith Horen, State of Alaska Division of Geological & Geophysical Surveys ● Diving Into the Digital Coast Bret Folger and Maravilla Clemens, NOAA Office for Coastal Management
	<p>Concurrent C: Inundation Modeling</p> <ul style="list-style-type: none"> ● Road Flooding in Coastal Connecticut, Jim O'Donnell, CIRCA ● NOAA's National Water Model (NWM), Trey Flowers & Brian Cosgrove, NOAA NWS Office of Water Prediction ● Influence of Morphological Dynamics in Tsunami Waves, Ernesto Guerrero-Fernandez, NOAA Center for Tsunami Research & University of Washington
9:35 am 9:45	Break
9:45 am 11:00	Concurrent D: NOAA Sea Level Calculator

Objective: NOAA’s newest flagship coastal resilience product, the [Sea Level Calculator](#), provides coastal practitioners and decision-makers with authoritative historical and future-looking sea level information. The development of this decision support tool was guided by stakeholder engagement and made possible through interoffice collaboration. By listening to a variety of stakeholders, NOAA has produced a more accessible and intuitive planning tool. While providing new functionality and consolidating the functionality of existing tools, the Sea Level Calculator addresses the challenges coastal communities across the country face right now and in the future.

Co-produced by the Center for Operational Oceanographic Products and Services (CO-OPS) and the Office for Coastal Management (OCM), the Sea Level Calculator provides five unique water level analysis tools, or quick views, in one platform. These are 1) Future Sea Levels, 2) Changes in Flood Frequency, 3) Extreme Water Levels, 4) Observed Sea Level Trends, and 5) Seasonal Variation. Quick-view visuals, such as sea level rise scenarios and flood thresholds, can be customized by the user to fit the needs of their community. All the underlying data are available for users to download and use in their own technical tools.

The audience will learn about the product’s methodologies, features, and potential use cases. Through a hands-on demonstration, users will discover how to leverage the Sea Level Calculator when assessing their coastal inundation risk or other climate resilience goals.

Facilitators: Doug Marcy (OCM), Gwen Shaughnessy (CO-OPS)

Cofacilitators: Connor Lewis (CO-OPS), Heidi Stiller (OCM)

Concurrent E: Art as Praxis for Coastal Inundation Challenges

Objective: Let’s use guided art based approaches to explore and look at coastal inundation through different lenses. All art activities can be done with a paper and pen but you can certainly add any materials you like. We’ll explore visual art, dance making, story telling, and poetry and how all of these forms of expression are vital for working on coastal inundation projects. And we’ll generate art pieces to showcase!

Facilitator: Vidya Balasubramanyam, Coastal State Organization

Cofacilitator: Angelina DeBenedet, American Society of Adaptation Professionals

Concurrent F: Compound Flooding Discussion

Objective: The purpose of this session will be to discuss challenges and crowdsource solutions related to compound flooding analysis. It will include

	<p>interactive sharing around the existing science, datasets, tools, and methodology. It will also include discussion on inputs, including how to incorporate future projections of environmental changes and urban development; balancing standardization with flexibility for regional differences; and types of outputs and metadata for inclusion in Vulnerability Assessments.</p> <p>Facilitator: Fara Ilami, Northeast Florida Regional Council</p>
<p>11:00 am 11:15</p>	<p>Break</p>
<p>11:15 am 12:15</p>	<p>Coastal Inundation Conversations & Tools Cafe</p> <p>Objective: In this session, participants will engage in small group discussions</p>
<p>12:15 pm 1:15</p>	<p>Networking Lunch</p>
<p>1:15 pm 2:30</p>	<p>Cooking Up a Successful Community of Practice</p> <p>Objective: In this session, participants will discuss the "ingredients" needed to cook up a successful local or regional community of practice (CoP). Speakers will share examples including the Washington Coastal Hazards Resilience Network (CHRN) that has been active for over a decade, and the more newly formed Rhode Island Climate Resilience Learning Network (RICRLN). An interactive portion of the session will allow participants to share stories of their own local and regional CoPs and the "ingredients" that make them successful.</p> <p>Facilitators: Chandler Countryman, Washington Sea Grant Jennifer West, Narragansett Bay National Estuarine Research Reserve Henry Bell, Washington State Department of Ecology Sara Bostrom, Padilla Bay National Estuarine Research Reserve</p>
<p>2:30 pm 3:25</p>	<p>Discussion on Next Steps for the Coastal Inundation Community of Practice</p> <p>Objective: Participants will discuss future activities and priorities for the Community of Practice.</p>
<p>3:25pm</p>	<p>Adjourn</p>
	<p>Explore Seattle Evening activities and dinner on your own. Opportunity to explore Seattle and connect with other practitioners over dinner. Local recommendations will be provided.</p>

Day 3 (Thursday, November 14, 2024)

Optional field trips

Option 1: Padilla Bay National Estuarine Research Reserve & Samish Conservation Area
[Full day \(9am - 4:00 pm\)](#)

Travel to the [Padilla Bay National Estuarine Research Reserve](#) to learn about research and restoration happening in the second-largest eelgrass bed in North America. Participants will discuss and visit the Samish Conservation Area Project which is 74.5 acres of diked farmland (former tidal marsh), current tidal marsh, and tide flat on the Samish Island isthmus at the north end of Padilla Bay. The Samish Conservation Area Project is focused on 1) restoring 105 acres of tidal marsh to Padilla Bay, 2) improve community resilience by addressing the current impacts from sea level rise and coastal flooding to the only land access to Samish Island, 3) restore tribal cultural connection and access to an important former Samish village site called A7ts'iqen, and 4) expand the Padilla Bay National Estuarine Research Reserve to include marsh related research, education, outreach, and public access.

Option 2: Walking Tour of Point Ruston & Owen Beach in Tacoma
[Half day \(9am - 1:00 pm\)](#)

Guided walking tour of the [Owen Beach](#) redevelopment, Point Ruston public recreation area, and Dune Peninsula Park. Learn how Metro Parks Tacoma staff incorporated sea level rise into the design of Owen Beach Park. Hear about past and present shoreline stabilization challenges at Dune Peninsula Park. Understand how the Point Ruston redevelopment balanced the cleanup with development and public access.

Option 3: Lower Duwamish Sea Level Rise Workgroup in the Duwamish Valley Resilience District
[Half day \(9am - 1:00 pm\)](#)

The [Duwamish Valley Resilience District](#) is located in the South Park and Georgetown neighborhoods of Seattle on the Duwamish River, which is home to the traditional land of the Duwamish People past and present — a diverse mix of residents, and a range of maritime industries and small businesses that are disproportionately affected by sea level rise (SLR). This project integrates multiple elements to advance a holistic strategy that fosters a resilient built environment and community that empowers its families and businesses to thrive in place.

This one-hour walking tour will take participants through transitions along the river from residential areas, to heavy industry and commercial areas and will focus on public investments along the shoreline (shoreline drainage, open space). Tour guides will touch on the current wet weather preparedness methods, flood management in the area, as well as long-term adaptation planning, including cost-benefit solutions vs. community-benefit solutions.

Continuing Education Credits

The 2024 Coastal Inundation Community of Practice Workshop is approved for 11.5 Continuing Education Credits for Certified Floodplain Managers (CFM) and 11.5 Certification Maintenance credits for American Institute of Certified Planners (AICPs). (Find link to AICPs here: [Day 1](#); [Day 2](#))

How to Use Workshop Attendance for Continuing Education

When signing in at registration, please inform the staff that you would like to document your attendance for continuing education credit. Please specify for what organization you wish to gain credit. Attendance certificates will be sent out via email the week following the Workshop.

For questions about continuing education credits at the Workshop, please contact the Coastal Inundation Leadership Team at: ocm.sg@noaa.gov