

January 2024



Pacific Northwest Coastal Hazards Resources Newsletter

Good morning everyone,

Please find our monthly newsletter which is the result of joint efforts between Oregon Sea Grant's Oregon Coastal Hazards (OCHR) Library & Mapper, the Cascadia Coastlines & People Hazards Research Hub (Cascadia CoPes Hub), and the Washington Coastal Hazards Resilience Network (CHRN).

The newsletter issues will be archived in the [OCHR Mapper](#), the [Cascadia CoPes Hub](#), and the [CHRN](#) websites.

If you have anything to add to the next newsletter please share with [Felicia](#) by **Monday, January 22, 2024**. If you want to receive the newsletter, please subscribe to the OCHR Mapper listserv [here](#) or to the CHRN listserv [here](#). If you have an event that is happening from now until the next issue, please send your message directly to the [OCHR Mapper listserv](#), the [CHRN listserv](#), or to [Felicia](#).

Other comments and suggestions are appreciated, as well.

Sincerely,

[Felicia Olmeta Schult](#), Extension Coastal Hazards Specialist, Oregon Sea Grant
[Ali Burgos](#), Project Manager, Cascadia CoPes Hub
[Chandler Countryman](#), Resilience and Adaptation Specialist, WA Sea Grant
[Noah Linck](#), WA Sea Grant Hershman Fellow, WA State Department of Ecology

Announcements

The Washington State Department of Ecology is requesting information via a survey. This survey aims to provide opportunities for Ecology staff to listen and learn from individuals and communities about the most pressing climate risks they face, challenges and opportunities in responding to and preparing for these risks, and their vision for a more climate-resilient Washington. **Deadline: January 12, 2024.** [Access here.](#)

Third and final workshop focused on addressing flood risk and sea level rise in Grays Bay, Washington. The workshop will be held on Tuesday, **January 30, 2024 6-8 p.m.** at Rosburg Hall. Attendance at a previous workshop in this series is not required. The workshop series is organized by Washington Sea Grant, Pacific Conservation District, and the Lower Columbia Estuary Partnership. [Learn more and register here.](#)

King Tides Season Continues! [The Washington King Tides Program](#), coordinated by Washington Sea Grant, has resources to learn about King Tides, including a [King Tide Calendar](#) for various coastal locations around Washington, and [coastal flooding lesson plans](#) geared towards highschool students. The King Tides Program encourages people to take precautions to ensure safety when visiting the shore during a King Tide. Photos of King Tides can be uploaded to the [MyCoast App](#), which characterize beach change and the impact of nearshore hazards to enhance awareness among decision-makers and stakeholders. In **Oregon**, the Oregon King Tides Project, jointly coordinated by Oregon Shores' CoastWatch, the Oregon Coastal Management Program, and the Oregon Coast Visitors Association, plays a pivotal role in monitoring Oregon's most extreme tides. Upload your King Tides photos on the OR King Tides Project website for **January 11-13 and February 8-10** King Tides! [More about the Oregon King Tides Project.](#)

A new Coastal Inundation Community of Practice is launching! NOAA Office of Coastal Management is working collaboratively with the National Sea Grant Office and the American Society of Adaptation Society on this effort. The aim of the Coastal Inundation Community of Practice is to be a national network of practitioners that facilitates peer-to-peer learning, information exchange, and collaborative engagement to advance coastal flooding science, knowledge and solutions. **A "kick-off" webinar is scheduled for January 30, 2024 at 11:00 am PT.** Register [here](#). Learn more [here](#) about the Coastal Inundation CoP.

NFWF and NOAA Announce \$144 Million in Grants to Support Coastal Resilience Projects. These grants will support design and implementation of projects to enhance the resilience of coastal communities and improve habitat for fish and wildlife across the U.S.

6 projects were funded in Washington, 3 in Oregon, and 1 in Northern California. **Read the full announcement [here](#) and the full list of projects [here](#).**

Upcoming Webinars, Meetings & Events

January 4, 2024 - 9:00 - 10:00 am PT. Cascadia CoPes Hub / RCN Seminar Series. The new FEMA National Risk Index (NRI) and opportunities to build resilience to coastal hazards in Cascadia. Speakers: Casey Zuzak (FEMA), Nathan Wood (USGS), Hannah Rabinowitz (FEMA). **Register in advance for this meeting [here](#)** - Once you've registered, you will have a personal zoom link in your calendar that will work for all seminars this year. Check out the Cascadia CoPes Hub website [here](#) and the related CoPe RCN website [here](#). Previous Cascadia CoPes Hub/CoPe RCN recorded webinars can be found [here](#).

January 8, 2024 - 6:00 pm PT. The Oregon King Tides Project. CoastWatch Program Manager Jesse Jones talks with Rhiannon Bezore, the Coastal Shores Specialist with the Oregon Coastal Management Program (OCMP), which is part of the Oregon Department of Land Conservation and Development. [Read more and register here](#).

January 9, 2024. NCA5: Northwest. The U.S. Global Change Research Program (USGCRP) is hosting a [series of webinars](#) dedicated to the Fifth National Climate Assessment. There will be webinars on each chapter of the report. [Register here](#).

January 22, 2024 - 10:00-11:00 am PT. NCA5 Public Engagement Webinar: Coastal Effects of Climate Change. The U.S. Global Change Research Program (USGCRP) is hosting a [series of webinars](#) dedicated to the Fifth National Climate Assessment. There will be webinars on each chapter of the report. [Register here](#).

NEW - January 25, 2024 - 12-1 pm PT. CHRN Lunch & Learn: Frontline Community Resilience. The Coastal Hazards Resilience Network's second Lunch & Learn will be led by Dr. Rishi Sugla, with the UW Climate Impacts Group. The topic for this event is "Frontline Community Resilience" and will focus on how storytelling, in the form of oral histories and documentary film, can be used as a co-production and engagement method that centers community. Rishi will explore the motivations and background for this recently-funded work, before opening up the conversation to discuss some of the challenges and opportunities of bringing storytelling work as a methodology in adaptation research and practice. Registration is required. [Register here](#). See previous CHRN Lunch & Learn recordings [here](#).

April 6, 2024 - 6:30 pm PT. Robert Bullard: The Quest for Environmental and Climate Justice. In-person. Town Hall, Seattle, WA. Professor Bullard's presentation will focus primarily on the U.S. and the need for empowering vulnerable populations, identifying environmental justice and climate change "hot-spot" zones and designing fair, just and effective adaptation, mitigation, emergency management and community resilience and disaster recovery strategies. [Learn more here](#).

Recorded Webinar. Targeting inequalities through inclusive Early Warning Systems. Women's Resilience to Disasters. [Access here](#).

Recorded Webinar. Nature-Based Climate Change Adaptation Tools for Coastal Communities. Climate Risk Institute. [Access here](#).

Workshops & Training

NEW - January 10, 2024 - 10:00 am - 2:00 pm PT. Virtual Workshop on Climate Projections in Community Resilience Planning - Wildfire Risk. The goal is to help identify leading practices for incorporating climate projections in community resilience planning. There will be three case study presentations (California; Austin, TX; Ashland, OR) and a general synthesis presentation on effective planning and design strategies to reduce risk. Participants will include community leaders for resilience and climate planning, infrastructure designers and engineers, interdisciplinary climate scientists, and officials with oversight of infrastructure systems. [Please register using this link](#).

NEW - January 10-11, 2024 - 9:30am-12:30 pm PT. Facilitation Basics for Coastal Managers. NOAA Digital Coast. Virtual. Free. This course is hosted by the San Francisco Bay Conservation and Development Commission. To inquire about spots remaining, email Jan.Kucklick@noaa.gov. [Learn more here](#).

January 11 & 25, 2024, (2 days, 2 weeks apart), 8 am - 2 pm PT. How to Explain Science, Share Data, and Build Trust: Presentation Skills for Scientists and Public Officials. Cost: \$425 (limited to 14 people). On Day 1, you'll learn about best practices in message development and slide design - with several opportunities for hands-on application. Over the following 2 weeks, you'll design a 5-minute presentation applying what you've learned. [Learn more and register here](#).

NEW - January 31, 2024 - 1:00-2:30 pm PT. Seven Best Practices for Risk Communication. NOAA Digital Coast. Virtual. Learn more [here](#) and register [here](#).

January 30, 31, and February 1, 2024. CERT Basic. This training will encompass basic first aid, triage, fire safety, search and rescue basics, mental health for disaster events, and how to be a community volunteer in the event of disasters and other events. FEMA Region 10 location in Bothell, WA 98021. Email fema-r10-communityprep@fema.dhs.gov to register, and you will receive more information including the address and access information.

January 31, 10 am - 12 pm PT. How to Use Collaborative Tools to Enhance Your Virtual Meetings. Cost: \$95. This training was designed in response to people's frustrations and sense of overwhelm at how to use online collaborative tools to facilitate better meetings. You will have

a chance to see several tool options demonstrated and learn best practices for using them. [Learn more and register here.](#)

February 1, 2024 - 8:00 am - 10:00 pm PT. CFM Boot Camp. Interested in becoming a Certified Floodplain Manager, but aren't sure where to start? This is a completely free, live virtual workshop where you'll be able to gain insights about preparing for the exam as well as ask questions about the process of getting and maintaining your certification. Nearly 675 aspiring CFMs attended the first boot camp in November, so be sure to secure your spot for February. [Learn more and register.](#)

February 5-8, 2024. FEMA's Hazard Mitigation Partners Workshop. The Hazard Mitigation Partners Virtual Workshop will bring together over 800 federal, states, local communities, tribes and territories, as well as private sector entities, private non-profit organizations, and individuals who work in emergency management, floodplain management and hazard mitigation positions. [Learn more here.](#)

Registration is open for the Washington Coastal Training Program classes scheduled for January 2024 - April 2024. Some classes are **not Washington specific** and are **virtual**. All classes are eligible for Certification Maintenance (CM) credits through the American Planning Association and the Academy of Board Certified Environmental Professionals. Members of the Society of Wetland Scientists may also apply class hours toward recertification. [Look at the list of classes here.](#)

July 14 - 17, 2024. 49th Annual Natural Hazards Research and Applications Workshop. Broomfield, CO. Deadline to submit individual contributions and full panel ideas: January 12, 2023. This year's theme is The Stories We Tell: Creative Strategies for Understanding and Communicating Disaster Risk. [Learn more here.](#)

NEW - CONVERGE Training Modules Featured as an Example of Robust Technology Transfer. Learn more about the CONVERGE Training Modules for conducting disaster research and how they fit into other forms of technology transfer offered by the Natural Hazards Engineering Research Infrastructure. [Access here.](#)

NEW - Fourth learning module added to the NOAA [CZMA 101](#) series: Federal Consistency Basics. This module provides an introduction to the Coastal Zone Management Act federal consistency provision. It is designed to help the user build a basic understanding of core federal consistency concepts and what happens in the workflow of implementing federal consistency. [Access the module here.](#)

NEW - NOAA Coastal Adaptation Planning Guide. This guide reviews the fundamentals of adaptation planning (content that's covered in OCM's adaptation training courses), and has links to more specific examples throughout. [Access here.](#)

Upcoming Conferences

NEW - January 28 - February 1, 2024. ATNI 2024 Winter Convention. Registration Open for ATNI Winter Convention. Hyatt Regency, Portland, OR. At the upcoming Winter Convention, Associated Tribes of Northwest Indians anticipates a productive and valuable exchange of ideas, promoting collaboration among tribal leaders, professionals, and community members. It is through this combined effort that we strive to facilitate positive change and empower our communities collectively. [Learn more and register here.](#)

January 11, 2024. Dune Restoration Conference. Hybrid and free. Co-hosted and organized by USFWS and the [California Dune Science Network](#). The meeting will be hosted at the San Diego Zoo's Dickenson Auditorium and on Microsoft Teams (Link to be sent to all registrants). [Learn more and register here.](#)

February 1-2, 2024. NHERI Computational Symposium. Natural Hazards Engineering Research Infrastructure. Los Angeles, California. Cost and Registration: \$175 until October 20, closes November 20. [Learn more and register here.](#)

February 12-15, 2024. Social Coast Forum. Charleston, SC. Presentations and discussions at the Social Coast Forum 2024 will focus on applying social science data, tools, and practices to build climate resilience in coastal communities. [Learn more here.](#)

NEW - February 18-23, 2024. Ocean Sciences Meeting. New Orleans, LA. [Learn more and register here.](#)

March 3-6, 2024. Disaster Recovery Institute International Conference. New Orleans, LA. [Learn more and register here.](#)

NEW - March 12, 2024 - 10:00 am - 3:00 pm PT. Effective Estuary Restoration Symposium. Organized by Pacific Marine and Estuarine Fish Habitat Partnership. This one-day virtual symposium will bring together experts in the field of estuary restoration along the U.S. West Coast to explore effective estuary restoration topics. This is the first of three annual symposiums that will explore a wide range of pressing topics in estuary restoration. [Learn more and register here.](#)

March 28, 2024 - 9 am - 5 pm PT. Symposium on Climate Change and Clinical Practice. Seattle, WA. This free symposium will bring together stakeholders from across the spectrum of clinical practice and health care operations to consider the implications of the climate crisis on our health systems. [Learn more here.](#)

April 2 - 4, 2024. 2024 Partners in Emergency Preparedness Conference. Marriott Tacoma Downtown. [Learn more here.](#)

NEW - April 9 - 12, 2024. 2024 Earthquake Engineering Research Institute (EERI) Annual Meeting. Seattle, WA. The meeting theme is "Uniting Earthquake Science and Engineering for a More Resilient Future." [Learn more and register here.](#)

April 15-17, 2024. National Tribal Leaders Climate Summit. [Learn more and register here.](#)

April 29 - May 3, 2024. Seismological Society of America Meeting (Anchorage, AK). [Learn more here.](#)

NEW - May 6 - 8, 2024. Co-creating Research, Policy, Practice, and Action: The Rising Voices of Indigenous Peoples and Partners in Earth Systems Science. The application site for the workshop is now open. **If you are interested in participating in the 12th Annual Rising Voices Workshop, the deadline to apply is January 20th [here](#).** Everyone must apply, whether you are applying to participate in-person or virtually. Applicants will be notified by February 10th. In-person space is limited. There is also limited travel funding available. [Learn more about the workshop here.](#)

May 14-16, 2024. National Adaptation Forum: 6th National Adaptation Forum. Saint Paul, MN. [Learn more here.](#)

June 23-27, 2024. Association of State Floodplain Managers (ASFPM) Annual National Conference. Salt Lake City, Utah. [Learn more here.](#)

Funding Opportunities

NEW - EPA's Community Change Equitable Resilience Technical Assistance. EPA has launched a technical assistance program to help disaster prone and disadvantaged communities prepare to apply for Community Change Grants. The Community Change Equitable Resilience program will provide free design and project development assistance, community engagement, and partnership development workshops. Requests for technical assistance are now being accepted on a rolling basis until 50 recipients have been identified. For additional information including how to request this technical assistance, please visit [this website](#). For more information on the Community Change Grants program overall, please see the [Frequently Asked Questions](#) page and [Community Change Grants NOFO](#) page.

University of Washington EarthLab Innovation Grants. Deadline: Letter of Intent due January 9, 2024; Full Proposal due February 27, 2024. The Innovation Grants Program invests in collaborations that span academic disciplines, engage multiple sectors and center community questions at the intersection of climate change and social justice. Teams interested in participating in the 2024 Innovation Grant Cohort 5 must include community members in addition to University of Washington researchers and students. The maximum funding request is \$80,000 over 18 months. [Learn more and apply here.](#)

NEW - Call for Proposals: “Empowering Indigenous Peoples and Enhancing Climate Adaptation by Incorporating Indigenous Knowledge.” **Deadline: January 18, 2024.** The Commission for Environmental Cooperation (CEC) is accepting applications for projects to fund under the North American Partnership for Environmental Community Action (NAPECA). <http://www.cec.org/wp-content/uploads/2023-NAPECA-Call-for-Proposals.pdf>

National Estuary Program Watersheds Grant Program. **Deadline: Letter of Intent due January 26, 2023.** The Request for Proposals (RFP) for the 2023 funding round of the NEP Watersheds Grant Program is now available. RAE will select projects through a two-step process: 1) letters of intent (LOI); and 2) full proposals by invitation only. Both steps are competitive and a request for full proposal does not guarantee funding. [Learn more here.](#) Prospective applicants are encouraged to register and participate in the informational webinar on December 5 at 11am PT, which will describe this new program, including eligibility aspects, and provide an opportunity for participants to ask questions. [Register here.](#)

HHS Launches Environmental Justice Community Innovator Challenge. **Deadline: January 30, 2024.** The Office of the Assistant Secretary for Health (OASH) and the Office of Minority Health (OMH) are seeking community-led strategies and tools to address health disparities in communities disproportionately impacted by environmental risks and hazards including those related to climate change, and the cumulative impacts of other stressors. The Challenge mechanism provides an opportunity for community voices to participate in developing novel innovative approaches to addressing the adverse health impacts of environmental conditions and increase community resilience within their local, disproportionately impacted communities. [Learn more here.](#)

NEW - Cascadia Region Earthquake Science Center (CRESCENT) Seed Grant Program. **Deadline: February 1, 2024.** Any researchers in the US that are part of an institution or organization that is eligible for regular National Science Foundation funding are invited to apply. The CRESCENT Seed Grant Program has the dual goals of broadening community participation and increasing the breadth of scientific investigations related to the center’s scientific goals. Achieving these goals relies, in part, on inviting the community to participate in addressing top priorities and key challenges identified through three major pillars: i) science, ii) geoscience education and inclusion, and iii) partnerships and applications. Proposals that respond to one or more of the priorities in each of these pillars as outlined in the [Request for Proposals](#) will be considered for funding. Please visit [our website](#) to review the request for proposals and to apply.

NEW - Tribal Capacity Building Pilot Program Funding. **Deadline to Apply: February 5, 2024.** California Strategic Growth Council has released the [Notice of Funding Availability \(NOFA\)](#) and [Application](#) for SGC’s newest grant program, the Tribal Capacity Building Pilot Program. The pilot program provides funding and technical assistance to California Native American tribes to build staff capacity to advance tribes’ climate-related work. Eligible applicants include California Native American tribes listed on the Native American Heritage Commission

(NAHC) Contact List, including federally recognized and non-federally recognized tribes. A non-federally recognized tribe is eligible to apply if they are registered as a nonprofit, a for-profit corporation, or a limited liability company. SGC will award between \$150,000 and \$250,000 to each tribe selected for the pilot two-year grant term. Please feel free to reach out to the CACE team directly at CACE@sgc.ca.gov with questions and/or concerns.

FEMA's FY23 Hazard Mitigation Assistance Grant Programs. Deadline: February 29, 2024 at 12 pm PT. FEMA [announced](#) 2023 funding opportunities for two Hazard Mitigation Assistance grant programs. For this grant cycle, \$800 million is available for the [Flood Mitigation Assistance \(FMA\)](#) grant program and the \$1 billion is available to the [Building Resilient Infrastructure and Communities \(BRIC\)](#) grant program. Sub-applicants are encouraged to contact the state, territory or tribal applicant as they may have earlier deadlines. Eligible applicants must apply via [FEMA Grants Outcomes](#).

NEW - The National Dam Safety State Assistance Grant Program is making an approximate \$26 million available. Deadline: February 29, 2024. This grant is available for any state or territory with an enacted dam safety program. These grants establish and maintain effective state programs to ensure dam safety and protect human life and property. [Learn more eligibility requirements](#).

Launch of the [Oregon Sea Grant Coastal Arts Support Pilot Program](#) (PDF). Application period: rolling basis from July 2023 through June 2024. This opportunity aims to advance a broader understanding and engagement with Oregon's coastal and marine ecosystems by supporting innovative art projects that align with the [Oregon Sea Grant Strategic Plan and our vision, mission, and values](#). You can find more information on the [OSG Special Requests webpage](#). Click [here](#) to access the Coastal Arts Support Pilot Program Request for Applications.

NEW - Swift Current, a sub-program of FEMA's Flood Mitigation Assistance program. Deadline: January 15, 2025. This program aims to speed up the award of FMA funding to reduce the damage-repair cycle of repetitively flooded or substantially damaged properties. Another \$300 million is available in this, the second round of Swift Current funding. Examples of eligible projects include property acquisition and demolition, elevation, and relocation. For this round, FEMA expanded criteria so more places could benefit. [Read more](#).

NEW - EPA Announces NOFO for Environmental and Climate Justice Community Change Grant Programs. Deadline: November 21, 2024. EPA is accepting applications on a rolling basis for \$2 billion in Inflation Reduction Act funding available to support community-driven projects that build capacity for communities to tackle environmental and climate justice challenges, strengthen their climate resilience, and advance clean energy. Awards vary depending on application track. Technical assistance available. [Learn more here](#).

NEW - Ready to Research? These Funds Are Available to Support You. Learn more about the multiple funding opportunities currently available through the Natural Hazards Center Research Awards Program. [Learn more here](#).

NEW - NOAA Checklist for Writing Grant Proposals that Encourage Meaningful Community Engagement. This document provides a checklist useful for guiding project team conversations toward this end. [Read more here.](#)

Highlighted Media, Publications, and Online Resources

[Hazards Around the Nation:](#)

RainSnap studies stormwater runoff through citizen science in Providence, RI. During heavy rain events, participants take photos and videos that capture the performance of green infrastructure. This important information about each site is then relayed to green infrastructure owners. [Learn more here.](#)

Massachusetts Unveils a New Strategy to Help Coastal Communities Cope with Climate Change. The program's goal is to help the communities within each district come up with tailored policies and strategies to address the impacts of climate change, and to pursue federal funds. Other goals of the strategy announced Tuesday include creating nature-based solutions for coastal erosion—including flood protection—streamlining the permitting process, and making sure future resiliency projects take into consideration the latest projected rise in sea level. Read more [here](#) and [here](#).

Four Living Shoreline Projects Enhance Climate Resilience in Anne Arundel County, MD. The Maryland Department of Natural Resources (DNR) recently helped complete four living shoreline projects in Anne Arundel County that are designed to protect communities from erosion and flooding. [Read more here.](#)

Cedar Key's Living Shorelines Show Study Success After Hurricane Impact. [Read more here.](#)

Mississippi- Alabama Sea Grant Consortium Announce New Resilience Institute. The new COAST (Community Outreach and Strategic Training) Resilience Institute aims at equipping elected officials, municipal staff and other community leaders with the latest science-based research for enhancing decision-making and increasing resilience. [Read more here.](#)

Ashland-based institute launches disaster resilience project. Ashland-based Geos Institute announced that its Navigator Network has recently started a pilot project in 72 communities in North Carolina, South Carolina, Georgia and Florida. The basic idea is to arm communities in those states with the tools needed to navigate bureaucratic hurdles and be better prepared before they're overwhelmed by wildfires, floods, hurricanes or other disasters. [Read more here.](#)

UBC Forestry to launch Centre for Wildfire Coexistence. This ground-breaking initiative aims at advancing research, collaboration, and innovation to enable society to coexist with wildfire through proactive management and eco-cultural restoration. [Read more here.](#)

[Climate Change & Coastal Hazard Science & Resilience:](#)

Quinault Tribe Builds New Village Site Away From Rising Seas. With winter storms and high tides approaching, the Quinault Indian Nation continues efforts to relocate its seaside villages. [Read more here.](#)

Stories of Oregon's Indigenous history (Our Coast). This book is the result of research compiled by David G. Lewis, an enrolled member of the Confederated Tribes of Grand Ronde and assistant professor of anthropology and ethnic studies at Oregon State University. [Click here for more information.](#)

Building climate resilience along Seattle's riverfront. December 5, 2023. By Lisa Hayward Watts. UW School of Public Health. New storymap highlights voices of the Duwamish Valley in concert with study results supporting the City of Seattle's climate resilience efforts. [Read more here.](#)

King tides return after disastrous week of flooding on the Oregon Coast. By John Ross Ferrara. KOIN. December 11, 2023. [Read more here.](#)

Tillamook rushes to build bridge in 10 days as weather could divide the Oregon Coast. By John Ross Ferrara. KOIN. December 8, 2023. [Read more here.](#)

El Niño in the Northwest: What Can We Expect? USDA Climate Hubs. [Read more here.](#)

Oregon State University researchers awarded \$750,000 for wildfire resiliency projects. By Ryan Bonham. December 7, 2023. [Read more here.](#)

Podcast - Oregon on the Record - Burning Up: Real-time Impacts of Climate Change. By Michael Dunne. KLCC. December 8, 2023. Guests on the show included: David Lewis, a natural resource economist at Oregon State, Elizabeth Marino, an associate professor at OSU-Cascades, Erica Fleishman, an Oregon State professor and director of the Oregon Climate Change Research Institute, and Julie Sifuentes from Oregon Health Authority. [Listen here.](#)

Oregon Post-Fire Research and Monitoring Symposium: Abstract Compendium. This report provides an overview of the information presented at the 2023 Post-fire Research and Monitoring Symposium that was organized by the Oregon Governor's Postfire Science Team and supported by the Northwest Hub. [Read more here.](#)

The Coastal Hazard Wheel initiative aims to advance global coastal resilience through standardization and automation of coastal management guidance with three focus areas. <https://www.coastalhazardwheel.org/>

Policy Recommendations for Coastal Cities to Adapt to Sea Level Rise. On November 9, at the [One Planet – Polar Summit](#) and just a few weeks ahead of UNFCCC COP28, the Sea'ties initiative unveils a series of [policy recommendations for coastal cities to adapt to sea level rise](#). [Read more here](#).

Takeaways from the 2022 Sea Level Rise Technical Report. Seven-minute video introduction to the 2022 Sea Level Rise Technical Report, and learn how your community can use it for adaptation planning. [Watch the video here](#).

NOAA is phasing in a new, high-resolution coastal land cover product (C-CAP data) for the entire coast, to be delivered from the Digital Coast website. This 1-meter resolution data product provides an incredible level of detail appropriate for site-level use. Foundational data sets are now available. [Access here](#).

EPA Releases Report of the National Estuary Program 2022 Accomplishments. [Read more here](#).

Urban Ocean Lab Publishes Key Findings from Fifth National Climate Assessment. To help coastal cities ground their climate plans in the most up-to-date science, Urban Ocean Lab has released a new resource with key findings from the recently published Fifth National Climate Assessment (NCA5). [Read more here](#).

American Planning Association Releases Analysis of State Resilience Approaches. A new APA analysis explores governance features states are using to address flood, disaster, and climate resilience issues. Learn which states have created new organizational structures or made new resilience planning commitments. Learn more [here](#).

New Report on Drought Assessment in a Changing Climate. NOAA's National Integrated Drought Information System (NIDIS) and USDA Climate Hubs have released a new report, [Drought Assessment in a Changing Climate: Priority Actions and Research Needs](#), with additional support provided by the University of Colorado Boulder's Cooperative Institute for Research in Environmental Sciences (CIRES).

Who Will Manage the US Climate Retreat? Federal efforts to protect communities from climate disasters with buyouts and resilience projects are often fractured and poorly coordinated. Is there a better way? By Timothy A. Schuler. Bloomberg. December 12, 2023. [Read more here](#).

Can Seawalls Save Us? Huge coastal barriers could protect the world's cities. But they'll have unexpected costs. By Daniel A. Gross. The New Yorker. November 5, 2023. [Read more here](#).

Turning the Tide of Flood Resilience. In the ongoing human experience of flood disasters, 2023 will go down in history as the dawn of a groundbreaking, fundamentally important shift in what it means to be flood resistant. [Read more](#). If you are interested in learning more about new flood standard, receiving a presentation, what's next and how to stay informed and engaged, please reach out to FEMA-BuildingScienceHelp@fema.dhs.gov.

Flood Insurance Discount Tool Released. The tool provides discount information on certain rating variables that are generally applied to the building and contents premium. By design, the tool is totally separate from the NFIP's rating engine so as to not run into issues of PII (personally identifiable information) among other things. [Explore the tool](#).

NOAA Coastal Flood Exposure Mapper. This tool has been updated to include a new [checklist](#) to help users quickly identify how the tool can help support projects to identify coastal hazard risks and vulnerabilities. [Access here](#).

Opportunities to Support Equitable and Just Housing Adaptation in the Floodplain. [Read more](#).

Latinos Face Higher Flood Risks Than Other Groups. New report from Headwaters Economics shows that Latinos often live in high flood risk areas while also facing social vulnerabilities, such as language barriers. [Read more](#).

First-Ever Post-Disaster Equity Guide Released. FEMA has published "Achieving Equitable Recovery: A Post-Disaster Guide for Local Officials and Leaders," a framework to help rebuild communities in a more accessible, inclusive, and equitable manner. [Download the guide](#).

Progress, good practices and lessons learned in prioritizing and incorporating gender-responsive adaptation action. This assessment provides opportunities and good practices that governments and other stakeholders have identified and are undertaking to enhance resilience and gender equality in a comprehensive and synergistic manner. [Read more](#).

OMB Encourages Use of Current and Future Climate Data for Infrastructure Investments. Federal agencies are strongly encouraged to help prospective financial assistance recipients use evidence-based information, decision-support tools and best-available climate data to identify and reduce current and future climate risks over a proposed infrastructure project's anticipated service life. [Read more](#).

Free Resources for the Ocean-Climate Solutions Community. Ocean Visions is pleased to make available a collection of resources to inform and enable efforts to advance research and development for ocean-based climate solutions. From road maps and illustrations, to factsheets, message guides, forums, and more, this is a one-stop shop for rookies, experts, and everyone in between. [Access here](#).

Podcast - Navigating the Future: Paul Scholz on NOAA's New Strategic Vision. On The Capitol Beach, host Derek Brockbank, speaks with NOAA Deputy Assistant Administrator for

the National Ocean Service (NOS), Paul Scholz, about the recently released NOS strategic plan. [Listen here](#).

What Happens When U.S. Insurers Stop Covering Prescribed Burns? December 4, 2023. ENSIA. Prescribed fires are a positive land management method, but when the flames occasionally escape control, the resulting damage to land and private property also hurts this conservation tool's reputation. [Read more here](#).

[Earthquake & Tsunami Science & Disaster Resilience:](#)

Groundbreaking: CEOAS research leads the way in understanding and preparing for Pacific Northwest geohazards. OSU College of Earth, Ocean, and Atmospheric Sciences. Strata Magazine. [Read more here](#).

Disaster Resilience Learning Collaborative Evaluation Report: Creating Culturally-Grounded Healing Spaces by Leaders of Color for Leaders of Color is an evaluation of the Disaster Resilience Learning Collaborative (DRLC), a collaborative dedicated to creating culturally-grounded healing spaces by leaders of color and for leaders of color in disaster work. The DRLC was created to find and bring together culturally specific and culturally responsive CBOs to help those disproportionately impacted by disasters, especially Latinx and tribal nations of the Pacific Northwest (PNW) communities. [Read more here](#).

CMH's was one of five applications selected in Oregon for the BRIC program. Columbia Memorial Hospital was notified that its application for FEMA's Building Resilient Infrastructure and Communities (BRIC) grant was selected to advance after a rigorous national competition. It was one of five BRIC applications selected in Oregon. CMH announced its [BuildCMH Expansion Project](#) earlier this year, with the goal of building a resilient hospital facility that can withstand a natural disaster, such as a tsunami or earthquake. [Read more here](#).

It's Only a Matter of Time Before a Tsunami Hits the Northwest. Why Is It Missing from FEMA's Risk Analysis? The "National Risk Index" was supposed to help U.S. communities reduce their risks from natural disasters. But is it fatally flawed? [Read more here](#).

Podcast - Ahead of the Wave. Cascadia Region Earthquake Workgroup. New episode in the [Ready to Recover podcast series](#). The new podcast focuses on disaster recovery challenges and solutions for small businesses. [Listen to the new podcast here](#).

Printed Community Handout Materials on Emergency Preparedness. This webpage is intended to serve both the general public and to aid the Portland Bureau of Emergency Management (PBEM) staff when considering handout updates and ordering materials on emergency preparedness. [Access here](#).

Voices of Resilience BC is a project in partnership with the Canadian Red Cross. Participants are engaged in a creative learning journey centered around storytelling of personal and community resilience in an era of climate-induced disasters. [Read more here](#).

Neo-Nazis Are Using Climate Disasters to Recruit New Members. Experts have been sounding the alarm that the far-right are exploiting climate change and natural disasters. By Tess Owen. Vice News. August 11, 2023. [Read more here.](#)

Ready Rating Program. This is a free service to help businesses, schools and organizations become prepared for disasters and other emergencies. [Learn more here.](#)

Tiny Climate Crises Are Adding Up to One Big Disaster. Nonpeak perils—events such as floods, thunderstorms, and wildfires—are considered more localized, more frequent, and less costly than peak perils, such as hurricanes and earthquakes. [Read more.](#)

The Daunting Dilemma of Disaster Insurance. There's a predictable pattern when storms hit. Those afflicted stand glassy-eyed among the ruins, struggling to figure out how they will rebuild their lives. Public officials arrive on the scene and pledge help. Weeks, months, sometimes years later, people struggle to get back to their homes. The money never seems to arrive, at least nowhere near enough. Then the next storm arrives, and the pattern repeats itself. [Read more.](#)

Inclusive Insurance for Climate-Related Disasters: A Roadmap for the United States, by Carolyn Kousky and Karina French. 2022. Ceres. [Read more.](#)

Linking Inclusive Finance with Inclusive Insurance in the United States Through Community Development Financial Institutions, by Xuesong You, Carolyn Kousky, Helen Wiley, and Jerry Skees. 2022. Environmental Defense Fund. [Read more.](#)

Resilient Community Development Finance Initiative. Center for Impact Finance at the University of New Hampshire's Carsey School of Public Policy. [Read more.](#)

As Climate Risk Grows, So Will Costs for Small Businesses, by Benjamin Collier and Marc Ragin. August 16, 2022. Harvard Business Review. [Read more.](#)

Advancing Equitable Economic Recovery: The Role of Business Support Organizations. This research finds that organizations that support businesses—such as chambers of commerce, business alliances, and other business advocacy groups—can use social capital and resources to help historically underserved business owners recover from disaster. [Read more.](#)

Upcoming Public Health Disaster Research Projects. The Natural Hazards Center is pleased to announce 10 new projects have been funded through the Public Health Disaster Research Award program. These awards are designed to support interdisciplinary research teams studying public health solutions to hazards in vulnerable communities across the United States. [Read more.](#)

FEMA Recommendations for Cordoning Earthquake-Damaged Buildings. September 2023. Recommendations presented in this report draw from lessons learned and development included a literature review of building collapses and identified collapse and debris shadow areas, and interviews with emergency management professionals. [Read more.](#)

FEMA Earthquake Safety Checklist. October 2023. [Read more.](#)

Job, Scholarship, and Fellowship Opportunities

[Oregon:](#)

Park Manager, Lincoln City, Devils Lake State Recreation Area - Oregon State Parks. **Applications due: January 7, 2024.** [Learn more and apply here.](#)

Natural Resources Specialist 2, Seal Rock - Oregon State Parks. **Applications due: January 8, 2024.** [Learn more and apply here.](#)

Reserve Manager (Natural Resource Protection & Sustainability Manager 2), Charleston - South Slough National Estuarine Research Reserve. **Applications due: January 11, 2024.** [Learn more and apply here.](#)

MS and PhD Grad Students Research Opportunity, Active Tectonics in Pacific Northwest - Portland State University, Department of Geology. **Applications Due: January 15, 2024.** Location: Portland, Oregon. For additional information, please contact [Dr. Ashley Streig](#). These positions are funded by an NSF grant and a PSU award through the NSF funded Cascadia Region Earthquake Science Center ([CRESCENT](#)). The purpose of this project is to establish paleo-earthquake timing and fault slip rate information for newly discovered faults and to incorporate them into a regional model of crustal blocks that accommodate deformation in the Pacific Northwest. Support for M.S. and Ph.D. students consists of Teaching Assistant and Research Assistant positions. A Ph.D. student involved in this project will have the opportunity to enroll in the [Oregon Museum of Science and Industry](#) Science Communication Fellowship to develop an interactive demo exhibit on regional tectonics and earthquake geology.

[Washington:](#)

The [Estuary and Salmon Restoration Program](#) (ESRP) is recruiting for the [WDFW ESRP Program Manager](#). **Applications due: January 3, 2024.** This is a great opportunity to guide and support process-based restoration and protection in the Puget Sound's nearshore to achieve salmon recovery. You'll get to work with amazing colleagues on the ESRP team at WDFW and RCO as well as leaders throughout the Puget Sound recovery community.

Puget Sound Recovery Strategist (PSRS) - Puget Sound Partnership. **Applications due: January 11, 2024.** The PSRS is responsible for promoting the potential of local recovery partners to advance local priority work for ecosystem recovery by working towards supporting

process improvements and applying targeted support working with local, tribal, and regional partners in alignment with the Action Agenda, salmon recovery plan, and environmental justice strategies. [Read more and apply here.](#)

Climate Resilience Coordinator - City of Olympia. Applications due: January 15, 2024.

This position will be responsible for leading the development of a Climate Resilience Sub-element for the City of Olympia's 2025 Comprehensive Update, including completing a Climate Risk and Vulnerability Assessment for the City of Olympia; and supporting the implementation of subsequent adopted resilience goals and policies. [Read more and apply here.](#)

Climate Program Specialist - City of Olympia. Application Due: January 15, 2024.

This position plans and implements assigned climate programs and related activities, such as development of the City's annual greenhouse gas inventory, community outreach and education, and climate policy research and analysis. [Read more and apply here.](#)

[California:](#)

Digital Science Communication Specialist - California Sea Grant. Application Due:

January 7, 2024. Reporting to the California Sea Grant Director, the Digital Communications Specialist will use skills as an experienced and effective digital communications professional and project manager to develop and implement targeted communication strategies to highlight and raise awareness of California Sea Grant's (CASG) research, education, and outreach programs. [Learn more and apply here.](#)

[Pacific Northwest/ Other:](#)

Tribal Partnership & Resource Stewardship Manager - Sustainable Northwest.

Applications Due: January 10, 2024. [The Tribal Partnership & Resource Stewardship Manager](#) is responsible for advancing Sustainable Northwest's mission and vision by supporting our programs and work with Tribes in the Pacific Northwest. The position provides technical assistance, support, and strategic engagement with our partners, including Tribal governments, the U.S. Forest Service, and state and other federal agencies.

Apply Now! Diverse Knowledge Systems for Climate Adaptation Fellowship. Deadline to

Apply: January 28, 2024. The Diverse Knowledge Systems in Climate Adaptation Fellowship supports graduate students from CASC consortium institutions and minority-serving institutions as they use their diverse experiences, viewpoints, value systems, and cultural knowledge to strengthen their climate adaptation efforts. An informational webinar will be held on December 7 at 4 pm ET and applications are due by January 18, 2024. [Read more here.](#)

Application period is now open for the [2025 Sea Grant Knauss Fellowship](#). Deadline:

February 15, 2024. The fellowship provides a unique educational and professional experience to graduate students interested in ocean, coastal, and Great Lakes resources and the national policy decisions affecting those resources. The fellowship matches highly qualified graduate

students with hosts in the legislative and executive branches of government located in the Washington, D.C. area for a one-year paid fellowship. Make sure to check out the [website](#) for prospective fellows for more details and valuable information.

Rising Voices Changing Coasts Summer Internship. Deadline to Apply: February 16, 2024. RVCC is recruiting Native students for a 8-week summer internship opportunity in which undergraduates and graduate students participate in understanding and addressing climate impacts in one of RVCC hub sites; Hawaii, Alaska, Louisiana, or Puerto Rico. Interns will receive stipends totaling \$3,840.00 and run from May 19 - July 2024. It involves four weeks at Haskell Indian Nations University, week and a half on site in Alaska, and two weeks at home finishing writing projects. For questions contact Paulette Blanchard, PhD at pblanchard@haskellfoundation.org. Apply online [here](#).

Postdoc opportunity with the Northwest Climate Adaptation Science Center. Applications accepted on a rolling basis. The Northwest CASC is hiring a postdoctoral ORISE fellow with experience analyzing climate data. The fellow will be helping develop the next version of the Climate Change Vulnerability Index (CCVI), a tool used by state and other wildlife management partners to conduct climate change vulnerability assessments for species. The preferred position location is in Corvallis, Oregon, with the possibility of remote work. Learn more [here](#).

Quick Links

[Oregon Coastal Hazards Ready \(OCHR\) Library & Mapper](#)

[Oregon Coastal Futures Project](#)

[Oregon Coastal Atlas](#)

[Oregon Coastal & Ocean Information Network](#)

[Washington Coastal Hazards Resilience Network](#)

[Washington Coastal Hazards Risk Reduction Project Mapper](#)

[The Cascadia Coastlines and Peoples Hazards Research Hub \(Cascadia CoPes Hub\)](#)

[PNW Tribal Climate Change Network](#)



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