

October 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 **October 21, 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

Announcements

2024 Great ShakeOut Earthquake Drills. This year's International ShakeOut Day is October 17, when millions of people worldwide will participate in earthquake drills at work, school, or home! At 10:17 a.m. (local time) on 10/17, you can join millions of people across the world practicing [earthquake safety](#). [Learn more and register here](#). Text "ShakeOut" to 43362 to sign up for FEMA earthquake preparedness tips and updates.

Tsunami Evacuation Walk to Safe Haven Hill, Newport, Oregon. Thursday, October 17th at 10:17am. Each year, the Hatfield Marine Science Center (HMSC) community drills to all three South Beach evacuation assembly areas: Fall to Safe Haven Hill, Spring to OCCC, and Summer to the MSB rooftop. These walks are a great time to evaluate how long it takes you to get out of your building, confirm the route to one of HMSC's evacuation sites, and reassess your personal evacuation plans. The Safe Haven Hill disaster cache will be open for viewing, and volunteers will be on hand to answer questions. Plan for about 30 min for participation. Everyone at HMSC is highly encouraged to join us.

HMSC Drill Details:

- For those at HMSC, at 10:17 am you will be alerted to the start of the walk via HMSC Alert text/email message (fire alarms will not sound for this event). If you don't receive a start message, don't wait, start the earthquake and evacuation drill at 10:17am – duck, cover, hold, then when it is safe- go.
- Follow the tsunami drill signs up to Safe Haven Hill— (Please note that HWY 101 will NOT be closed for this event, so go under the bridge to get up to the hill. But remember, in a real event, cross over 101 at the Motel 6 parking lot.)

Cooking Without Power Event. On Wednesday, September 4th Oregon Department of Emergency Management (OEM) attended a "Cooking Without Power" event in Lincoln City. It was a tremendous success! The event brought local community members for a day of practical learning and preparedness. Thanks to Safeway, participants received a large emergency go bag filled with emergency food items such as peanut butter, oatmeal, and canned goods, as well as information, and activities to help them Be Two Weeks Ready! Oregon Emergency Management provided essential insights on preparedness, evacuation levels, and OR -Alert registration, ensuring everyone is well-informed and ready for any emergency. The event fostered community spirit, preparedness and valuable education for Spanish speakers. OEM plans to continue to work with local partners to organize more of these events! Special thanks to

our partners Safeway, [Conexion Phoenix](#), Sam Health Parenting Network, and OSU Extension Service for their support.

The report on the Navigating Coastal Hazards Workshop is now available! You can find it on the Cascadia CoPes Hub [website](#). This workshop brought together coastal planners, leaders, emergency managers, and researchers on March 11 – 12, 2024 in Astoria, Oregon to connect the dots between current coastal needs and research activities. This report includes summaries of the roundtable discussions that occurred throughout the workshop.

Participate in the Small Water Systems Resilience Survey. The University of Washington Climate Impacts Group, in partnership with NIDIS, seeks your participation in this survey about small drinking water systems (serving a population of fewer than 3,300 people) in Washington, Oregon and Idaho. The purpose of this survey is to understand the actions small systems are taking to increase resilience to current and potential future risks to water quality and supply from extreme weather and changing climate conditions. Results from this survey will inform the development of resources and tools to help Northwest drinking water systems to be more resilient in the face of a changing climate. [Learn more.](#) [Take the survey.](#)

Proposed Program Comment on Accessible, Climate-Resilient, Connected Communities. Comments Due: October 9, 2024. The Advisory Council on Historic Preservation (ACHP) invites you to consult on the ACHP's [Proposed Program Comment on Accessible, Climate-Resilient, Connected Communities](#). In 2023, the ACHP adopted two important policy statements intended to guide the work of the agency: the [Policy Statement on Housing and Historic Preservation](#) and the [Policy Statement on Climate Change and Historic Preservation](#). These two policy statements committed the ACHP to consider how it can assist federal agencies in using Section 106 more effectively to address the provision of housing, the improvement of operational energy efficiency, the development of clean energy projects, and the development of climate-friendly transportation projects. Based on these policy statements, the ACHP is proposing this Program Comment. Questions and written comments can be submitted to program_alternatives@achp.gov.

FEMA: Early Warning System Collaboration Opportunity. If your organization advances the adoption of early warning systems for all and you are interested in collaborating with the global emergency management community on this topic, please reach out to FEMA-International@fema.dhs.gov.

FEMA's National Earthquake Hazards Reduction Program Awards \$3.4 Million to Reduce Risk to Life and Property from Earthquake Hazards. The FY 2024 NEHRP MSNEA Grant Program provides \$1,312,636 in federal assistance to non-profit organizations and institutions of higher education to develop and implement multi-state and/or national earthquake risk mitigation activities. The FY 2024 FEMA NEHRP MSNEA Notice of Funding Opportunity may be found [here](#). The FY 2024 NEHRP ISEA Grant Program provides \$2,096,364 in federal assistance to States and Territories with high and very-high seismic risk. The FY 2024 FEMA NEHRP ISEA Notice of Funding Opportunity may be found [here](#).

Upcoming Webinars, Meetings & Events

October 1, 2024 - 9:00 am PT. The ITRC UN High Level Climate Champion “Race to Resilience” Initiative: Organizing Transformational Resilience Coordinating Networks in North America and Worldwide. Virtual, Register online [here](#).

October 2, 2024 - 12:00 pm PT. Amateur Radio for Emergency Communications Seismolunch. In-person at UW's campus ATG 210 or online. This event is co-sponsored by the Cascadia CoPes Hub and the Center for Disaster Resilient Communities. Please register for the Zoom link [here](#).

October 3, 2024 - 9:00 - 10:00 am PT. Disasters & Disability: An Anthropological Framework and Field Application for the Community. *Cascadia CoPes Hub and Cascadia Coastal Hazards RCN Seminar Series.* Register [here](#).

October 8, 2024, - 10:00 to 11:00 am PT. Living by the Levee: Navigating Flood Resilience with Unsheltered Communities. The Natural Hazards Center, in partnership with the Federal Emergency Management Agency, is pleased to invite you to the [Making Mitigation Work Webinar Series](#). Learn more [here](#).

October 12, 2024 - 1:00-3:00 pm PT. GoBag Pop-Up Shop, Manzanita, Oregon. Do you need a GoBag or GoBag supplies? Purchase supplies on the website and pick up items at the Pop-Up Shop. Pick up your order at the Manzanita Police Station. [Order here](#).

October 15, 2024 - 5:00 pm PT. 2024 EERI Distinguished Lecture - Geospatial Technology – Saving the World's Past, Present, and Future from Natural Hazards. [Cascadia Lifelines Program](#) (CLiP) and [CRESCENT](#) webinar series. The CLIP website contains the [list of webinars](#). Learn more and register [here](#).

October 16, 2024 - 9:00 am PT. National Association of Flood and Stormwater Management Agencies: Navigating the Future of Flood Risk: Expert Insights and Strategies for Using Climate Data. Learn more [here](#).

October 8, 2024 - 10:00 - 11:00 am PT. Webinar on the new interagency U.S. Sea Level Change website. The Interagency Task Force on Sea Level Change is pleased to announce the release of a [new U.S. Sea Level Change website](#). This interagency resource delivers sea level rise projections for the U.S. in an interactive and educational format that allows users to explore past, present, and future sea level rise, associated impacts, and adaptation measures for their area. Register [here](#) for the informational webinar.

October 12, 2024 - 10:00 am - 3:00 PM PT. Nehalem Bay Fire Rescue Open House. Nehalem, Oregon. [Learn more here](#).

October 16, 2024 - 11:00 am - 12:00 pm PT. Webinar on the recently published report ‘Climate Adaptation Barriers and Needs Experienced by Northwest Coastal Tribes: Key Findings from Tribal Listening Sessions’. A team of researchers with the Northwest Climate Resilience Collaborative held a series of listening sessions with government staff, citizens, and elected officials from Northwest coastal Tribes to better understand the barriers and unmet needs they experience in responding to these and other climate risks. Findings from this research were published in a [report released in August, 2024.](#) In this webinar, report authors will share their key findings; describe their research approach, including efforts to ensure ethical use of Tribal information; and provide information on the project’s next steps. Register [here](#).

October 22, 2024 - 10:00 - 11:00 am PT. Using the RAD (resist-accept-direct) Framework for Coastal Climate Adaptation. CERF 2024 Webinar Series - Coastal Futures: The Resilience of our Communities, Scientific Advancement, and our Changing World. This webinar will highlight how natural resource managers are increasingly adopting the RAD (Resist, Accept, Direct) Framework to integrate climate adaptation into their plans. CERF Members: Free. Non-Members: \$25. Learn more and register [here](#).

October 24, 2024 - 9:00-10:00 am PT. Cascadia CoPes Hub 4th Thursday Seminar Series Predicting Liquefaction-Induced Damage in Cascadia During M9 CSZ Earthquakes – Brett Mauer (UW). Send a request for the zoom information at this [email address](#).

October 28, 2024 - 6:30 pm PT. Why AI Matters For Climate (In More Ways Than One). UW Public Lectures. In-person at the Town Hall Seattle or livestream. Learn more and register [here](#).

October 26, 2024 - 10:00 am - 12:30 pm PT. Emergency Volunteer Corps of Nehalem Bay (EVCNB) WaSH Class. Nehalem Bay Fire & Rescue Station. Sign up for EVCNB comprehensive Water, Sanitation and Hygiene (WaSH) class, in which you will obtain the know-how and equipment to get your household prepared to properly manage your WaSH needs during an emergency. [Register here](#).

October 29-30, 2024 - 9 a.m. to 12:15 p.m. PT. Oregon-Washington Water Year Recap & 2025 Outlook Meeting. This webinar is hosted by NIDIS, the University of Washington Climate Impacts Group, and the Office of the Washington State Climatologist at the University of Washington. The meeting will be held virtually and aims to share and gather information regarding climate impacts of the 2024 Water Year. The meeting provides an additional opportunity to hear lessons learned from different mitigation strategies during group discussions. Learn more and register [here](#).

Workshops & Training

October 5, 2024. Emergency Volunteer Corps of Nehalem Bay, Oregon. Yellow Radio Class. A new yellow radio class has been scheduled for October 5, from 11 AM-1 PM. Class is via zoom. Click the button below to register and purchase a yellow radio. [Register here](#).

Thursday October 24 – Friday October 25. Washington Habitat Strategic Initiative Lead Sea Level Rise Forum. HSIL is hosting a forum on understanding and planning for sea level rise and climate related hazards to shorelines in Puget Sound. HSIL is inviting habitat restoration and protection practitioners from across Puget Sound to connect with tools, programs, and people to advance planning for climate impacts and resilient habitat in the Puget Sound. Register [here](#).

Offshore Wind Workshops with Oregon Sea Grant. The [Bureau of Ocean Energy Management](#) (BOEM) plans to hold an auction on October 15th to lease two wind energy areas off the coast of Oregon. This fall, [Oregon Sea Grant](#) is offering the opportunity to facilitate a science-based workshop on offshore wind with your group or organization. Workshop participants will have the chance to learn directly from topic experts and engage in authentic discussion about offshore wind energy in an impartial environment. Workshops will be held in-person lasting 2-3 hours for groups of about 10-25 people. Each workshop will include a presentation from one of the following topic experts, discussion and learning activities facilitated by Sea Grant Extension specialists, and time for any additional activities that may help support your group's learning goals. If you are interested in having Oregon Sea Grant lead a workshop for members of your organization, or a group you'd like to convene, please fill out this [interest form](#) so they can contact you.

November 7-8, 2024. Reflective Conversation Trainings. Portland, Oregon. Sign up for virtual and in person training this fall. Want to learn how to lead conversations between people who have different beliefs, experiences, and backgrounds? Join us for a [Reflective Conversation Training](#) to develop your facilitation skills, practice new techniques, and learn to design and lead conversations that allow people to discuss important issues and learn more about themselves and others. Register [here](#).

November 7-8, 2024. Workshop From hazard to risk: The science of planning for future tsunamis. The Cascadia Region Earthquake Science Center (CRESCENT) is pleased to announce this upcoming workshop, taking place in Eugene, Oregon co-hosted by the Cascadia CoPes Hub. The workshop is meant to be an intimate gathering of experts to discuss specific topics of interest to CRESCENT's science goals. It will gather scientists from the geoscience and engineering fields, as well as interested community members and industry participants. If you are interested in attending please [register here](#). If you have any questions about the workshop, please let us know at isepulveda@sdsu.edu.

November 12-14, 2024. Coastal Inundation Community of Practice Workshop. Seattle WA
Registration is open but by invitation only due to capacity. Learn more [here](#). Please reach out to OCM.SG@noaa.gov with questions. The deadline to register is **October 1, 2024**.

November 14 and January 14, 8:30 am to 2:00 pm PT. Delivering an Effective Presentation to Decision-Makers. Cathay Angell Communications. This class is especially geared for city and county employees or others who have to make presentations to commissioners, council members, and boards. Class offered twice virtually with public registration on. Cost: \$213. [Register here](#).

January 8-9, 2025. The U.S. Geological Survey will host an in-person meeting focused on subduction zone science at the University of Washington in Seattle. Sessions will highlight new research, data, and scientific questions related to USGS priorities in subduction zones within the U.S. and globally. Topics will include earthquake rupture processes and recurrence, ground motions, volcanic systems, cascading hazards, onshore/offshore structure, and societally relevant hazards science. Additional information on session topics, schedule, and a call for talks and posters will come in Fall 2024. Please stay tuned for future e-mails regarding registration and meeting details, and share this announcement with colleagues!

NEW - FEMA Establishes National Disaster & Emergency Management University. FEMA is expanding the Emergency Management Institute (EMI) into a newly created university that will deliver an expanded curriculum to help emergency managers continue to build capacity today to meet the hazards of tomorrow. The National Disaster & Emergency Management University (NDEMU), will offer comprehensive education and training programs spanning various disciplines within disaster and emergency management across the entirety of an emergency manager's career, closing an identified gap in mid- and advanced career professional development that exists between EMI's traditional technical training and the theoretical-based education programs. [Learn more about NDEM here](#).

NEW - The Natural Hazards Center is pleased to announce the release of a set of trainings based on the Federal Emergency Management Agency P-1000 guide, **Safer, Stronger, Smarter: A Guide to Improving School Natural Hazard Safety**. The recorded trainings are [available online](#).

NEW - Online Course. Community-Based Disaster Preparedness and Resilience. University of South Florida. Cost and Access: \$199, register online [here](#).

NEW - Online Training. Creating Co-Benefits Through Hazard Mitigation Planning and Water Resource Management. U.S. Environmental Protection Agency. Cost and Access: Free, available online. [Learn more here](#).

Upcoming Conferences

October 2-3, 2024. 9th Annual Innovation Summit for Preparedness & Resilience (InSPIRE). Co-hosted by the National Alliance for Public Safety GIS (NAPSG) Foundation and the Indiana University in Indianapolis. Learn more [here](#).

October 6-10, 2024 - Restore America's Estuaries (RAE) Coastal & Estuarine Summit. Washington, D.C. Region. For more information, visit the [2024 RAE Coastal & Estuarine Summit webpage](#).

October 9-10, 2024. Pre-Conference: October 7-8. Engagement Scholarship Consortium International Conference. Pathways To Prosperity: Building Sustainable Futures Through Community Engagement. Hosted by Oregon State University and the member institutions of the ESC Western Region. [Learn more here](#).

October 10-11, 2024. Public Health and Disasters. University of Utah. Learn more [here](#).

October 16-17, 2024. Tribal Exchange Network Conference. Spokane, WA & Online. Tribal Data: Sharing stories, Supporting the future. [Learn more here](#).

October 27-30, 2024. National Association of Flood and Stormwater Management Agencies: 2024 Annual Meeting. [Learn more here](#).

November 6-7, 2024. Tribal Climate & Health Adaptation Summit. Pala Casino, Spa & Resort. Guided by the theme "Taking Action to Protect Health from Wildfire, Drought, and Heat Disasters," the two-day Summit will focus on arming Tribal-serving professionals with the knowledge and skills needed to act on the unique climate and health vulnerabilities of the Tribes they serve. Learn more [here](#).

NEW - November 7-8, 2024. Emergency Media and Public Affairs Conference. Wellington, New Zealand. [Learn more here](#).

NEW - November 8-9, 2024. 6th Annual Yale Global Environmental Justice Conference. Environmental Joy: Roadmaps for Resistance, Resilience and Thriving. Learn more [here](#). [Apply for a scholarship here](#) (**deadline to apply is OCTOBER 4th**).

November 15-21, 2024. IAEM Conference. International Association of Emergency Managers Colorado Springs, Colorado. Register [here](#).

November 18-21. Building Resilient Communities Conference, The former Emergency Preparedness and Business Continuity conference has rebranded as the Building Resilient Communities Conference. Learn more [here](#).

November 20-22, 2024. National Disaster Resilience Conference. Federal Alliance for Safe Homes. Clearwater Beach, Florida. Learn more [here](#).

November 22 - 23. Oregon State of the Coast will be in Seaside at the Civic & Convention Center. The program will have a Friday evening event followed by the full Saturday Conference. Student art and research submissions will open in September. Learn more [here](#).

January 15-17, 2025. West Coast Ocean Alliance Annual Summit Proposals. WCOA is holding a 2.5 day in-person Annual Summit at Quinault Beach Resort in Ocean Shores, WA. The full RFP is linked [here](#).

January 27-30, 2025. Coastal GeoTools, Wilmington, NC. The Coastal GeoTools conference, established in 1999, is typically held every two years and focuses on geospatial data, tools, technology, and information for coastal resource management professionals. Conference Theme: Enhancing Resilience through Relationships, Information, and Technology. Learn more [here](#).

NEW - February 4-6, 2025. National Working Waterfront Network. San Diego California. This conference brings together people from across North America to connect with one another and showcase initiatives that protect and promote working waterfronts. Working waterfronts include waterfront lands, waterfront infrastructure, and waterways that are used for water-dependent activities, such as ports, marinas, small recreational boat harbors, and fishing docks. **Calls for abstracts are now open and due October 16, 2024.** Learn more [here](#).

NEW - February 6-7, 2025. Society for Risk Analysis Annual Conference. Melbourne, Australia. [Learn more here](#).

March 11-13, 2025. Save the Date: Ocean Visions Biennial Summit 2025. We're thrilled to announce that the 4th Ocean Visions Biennial Summit will be held in Vancouver, Canada. This action-oriented event will bring together scientists, policymakers, innovators, funders, students, and others to explore solutions and strengthen partnerships to restore our ocean and stabilize the climate.

NEW - March 17 - 20, 2025. The Pacific Risk Management 'Ohana (PRiMO) Conference. Call for Session Proposals: Building Coalitions and Local Solutions for Resilience. **Deadline: October 1, 2024.** Hawai'i Convention Center, Honolulu, Hawai'i. [Learn more here](#).

May 15, 2025. 2025 Resilience Summit Call for Proposals - Urban Land Institute. The Resilience Summit is ULI's flagship climate adaptation event; convening industry leaders in real estate and resilience from around the world to address the challenges and harness the opportunities posed by climate risks. Hosted in Denver, CO, the 6th annual Resilience Summit will uplift opportunities for resilience in an increasingly difficult financial and climatic environment. Complete and submit your **Proposal Submission by Friday, October 4, 2024**

(Midnight EST) via the [ULI Spring Meeting / Resilience Summit Call for Proposals site](#). Access the announcement [here](#).

Funding Opportunities

NEW - The NOAA Weather Program Office (WPO) is currently accepting proposals for **FY25 Notice of Funding Opportunities (NOFO)**. **Deadline for Letter of Intent: October 2, 2024**. These NOFOs will fund six competitions, totaling up to \$12.8 million per year, to support the following program objectives and priorities: 1) Social, Behavioral, and Economic Sciences (SBES), 2) Testbeds, 3) Observations, 4) Subseasonal to Seasonal (S2S) forecasting, 5) Air Quality Research and Forecasting (AQRF), and 6) VORTEX-USA. Each competition is published on [grants.gov](#).

NEW - **Pacific Marine & Estuarine Fish Habitat Partnership (PMEP) Funding RFP Coming Soon**. The PMEP Annual RFP for fish habitat restoration and assessment projects will be published on **October 7**. PMEP receives annual funding from the National Fish Habitat Partnership to support projects that restore, protect, or assess estuary and nearshore marine fish habitat along the U.S. West Coast. Please check their [website funding page](#) for more details.

NEW - **EPA Launches Climate Resilience and Adaptation Funding Toolbox**. With resources tailored to federal funding applicants and recipients, the CRAFT website aims to help users integrate climate adaptation strategies into their projects from start to finish. By considering climate risks early, applicants can make informed decisions, ensuring that federal dollars are used wisely and efficiently. [Read more](#)

USDA Rural Development publishes funding opportunities, Notices of Solicitation of Applications (NOSAs) or Notices of Funding Availability in the Federal Register. [Click here](#) to access current and past NOSAs and NOFAs Notices for fiscal year 2024 including the Disaster Water Grants Program. Here is also a link to [Disaster Resiliency and Recovery Resources A Guide for Rural Communities](#).

USDA NIFA. FUNDING OPPORTUNITY: Questions about USDA NIFA's Rapid Response to Extreme Weather Events program? Next live FAQ sessions will be November 14, 12:00 pm PT. If you have any questions outside of this session, feel free to reach out to the team at afri-rapidresponse@usda.gov.

BIA Tribal Climate Resilience Annual Awards Program. [BIA](#) has announced over \$120M will be made available across three funding categories: Planning, Implementation, and Relocation, Managed Retreat, and Protect-in-Place. Access the RFP [here](#). **Deadline: October 18**.

BIA - Branch of Tribal Climate Resilience (TCR) staff are available virtually each Tuesday at 12pm PT (July 17 - October 18) to provide technical assistance for the BIA-TCR FY24 Annual Awards Program. If you have questions regarding the BIA-TCR climate resilience funding opportunity or application process, please join the virtual weekly Team meetings [here](#).

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 - The Oregon Department of Land Conservation and Development has published the [Call for Applications](#) for the Community Green Infrastructure Grants. Grants are available for:

- Green infrastructure projects
- Native seed banks and native plant nurseries
- Green infrastructure master plans

The online application portal will open on October 4, 2024 and will be open until 5:00 p.m. on December 2, 2024. Download the [Call for Applications](#) for complete information on the grant program. An [Application Template](#) is also available. See our [website](#) for more information.

NEW - Seismic Rehabilitation Grants Accepting Applications. Business Oregon. The Seismic Rehabilitation Grant Program is accepting applications **from September 23, 2024, until January 10, 2025 at 5:00 pm.** All of the forms needed to apply can be found on the [program web page](#).

Swift Current, a subprogram 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. Learn more [here](#).

Open Call: Bring a PangeaSeed Public Art Project to Your Community. PangeaSeed works with diverse ocean advocates to facilitate collaboration between artists and scientists, and produce impactful work. For the first time, they are offering an opportunity for cities to submit applications to bring public art for oceans to their communities! Apply to bring PangeaSeed's expertise and unique interdisciplinary approach to their community. Learn more and apply [here](#).

Highlighted Media, Publications, and Online Resources

[Hazards Around the Nation:](#)

FEMA has announced the selection of 12 applicants to receive a combined total of \$150 million in capitalization grants aimed at reducing community vulnerability to natural hazards. The funding, part of the Safeguarding Tomorrow Revolving Loan Fund Program, will enable 10 states, a Tribal Nation, and the District of Columbia to establish revolving loan funds for local governments to implement hazard mitigation projects and enhance climate resilience. [Read more here.](#)

Refugees and Risk: Increasing Disaster Preparedness. Refugees are more susceptible to disaster and less likely to be prepared and understand their risks. This report interviewed refugees in Texas and found that targeted interventions are needed to safeguard their outcomes. [Read more.](#)

Bearing the Burden: Disaster Recovery and Women of Mexican Origin. Immigrants—especially women—face distinct challenges in disaster recovery. Learn more about the experiences of Mexican women in Houston after Hurricane Harvey. [Read more.](#)

Disaster Resilience for Puerto Rican Students: Improving Academic Outcomes and Well-Being. Compounding disasters have impacted the well-being of Puerto Rican students. This study examines the programs meant to help them and how outcomes could be improved. [Read more.](#)

Communicating Risk: Municipal Challenges in Puerto Rico. Ineffective communication is a barrier to recovery during disasters. This research assessed the risk communication policies of municipal officials in Puerto Rico to learn about the challenges they face in reaching vulnerable residents. [Read more.](#)

Alaska Native Tribal Health Consortium. 2024. The Unmet Needs of Environmentally Threatened Alaska Native Villages: Assessment and Recommendations. The purpose of this report is to help improve the effectiveness of federal and state government support for Alaska communities to address climate and environmental threats to infrastructure from erosion, flooding, and permafrost degradation. Read the report [here.](#)

South Carolina Is Considered a Model for ‘Managed Retreat’ From Coastal Areas Threatened. Managed retreat can only happen voluntarily, and in Socastee less than one in 10 eligible owners signed up. Some just didn’t want to leave their homes. But advocates say the process, for all its success, had flaws. In the years it took to secure and organize a buyout, many owners sold their homes to real estate agents and left. [Read more](#)

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

The National Oceanic and Atmospheric Administration (NOAA) recently announced the release of the Salish Seas and Columbia River Operational Forecast System. The new system provides nowcast and short-term (up to three days) forecast guidance for water levels, currents, salinity, and temperature covering coastal communities in the Puget Sound, the San

Juan Islands, the Strait of Georgia, the Strait of Juan de Fuca, and the Columbia River up to Bonneville Dam. Learn more [here](#).

Washington State Department of Commerce Climate Policy Explorer Tool. Use the new [Climate Policy Explorer](#) tool to search more than 200 model climate measures and planning resources. Local jurisdictions are encouraged to use the tool to identify climate measures that may be appropriate for implementation as part of the climate element of their periodic update. To learn more, watch a [tutorial video](#) on how to use the Climate Policy Explorer or refer to this [PDF user guide](#). The Climate Policy Explorer aims to replace the former [Menu of Measures \(Excel\)](#), which remains accessible and offers the same database of measures contained in the Explorer in spreadsheet form.

New publication on coastal change in the Pacific Northwest. [Climate controls on longshore sediment transport and coastal morphology adjacent to engineered inlets](#). Check out the news article [here](#).

Trout Unlimited Olympic Peninsula Restoration Video: On the wild coastal rivers of Washington's Olympic Peninsula, Trout Unlimited is removing migration barriers, reconnecting floodplains and restoring critical spawning and rearing habitat for struggling populations of wild salmon and steelhead. Watch [here](#).

Trying to escape sea-level rise, Northwest coastal tribes are drowning in paperwork. A new study shows how federal grant funding has actually become an obstacle to climate adaptation. High Country News. August 27, 2024. [Read more](#).

Seattle pioneer in AI weather forecasting helps Nvidia create a groundbreaking new prediction tool, GeekWire/Atmospheric and Climate Science. Read more [here](#).

Pacific Marine & Estuarine Fish Habitat Partnership (PMEP)'s new West Coast Estuary and Nearshore Habitat Viewer is now available. Launched at the recent American Fisheries Society meeting, this new interactive tool combines PMEP estuary datasets with their new nearshore habitat datasets into one easy-to-use platform. Find the Habitat Viewer and PMEP data [here](#).

Protecting Surf Breaks Mitigates Climate Change, Helps Coastal Communities, Analysis Finds. In a study published [...] in [Conservation Science & Practice](#), scientists identified more than 88 million tonnes of "irrecoverable" carbon in the land-based ecosystems surrounding 3,602 surf breaks around the globe. Read more [here](#).

Sea Grant and Coastal Hazards Preparedness. Sea Grant works with coastal communities across the U.S., Puerto Rico and Guam to improve community resilience to coastal hazards. [Read more here](#).

FEMA-US Fish and Wildlife Service co-branded fact sheets. Two factsheets, [High Hazard Potential Dams: When Removal Benefits Outweigh Repair](#) and [Aquatic Organism Passage and](#)

[the Rehabilitation of High Hazard Potential Dams](#) are now available. These fact sheets provide an example flowchart and other information to aid dam owners in project planning.

The U.S. Global Change Research Program (USGCRP) released the third edition of the nation's climate literacy guide: [Climate Literacy: Essential Principles for Understanding and Addressing Climate Change](#). The guide presents information that is important for individuals and communities to know and understand about Earth's climate, the impacts of climate change and solutions. A team of federal scientists, communicators, educators and program leaders worked collaboratively to update the guide. [Also available in PDF format](#).

International Public Opinion on Climate Change: Differences by Gender and Income/Emission Levels. Climate change affects everyone, but not equally. Women, especially in poorer countries, face [disproportionate](#) risks and challenges from extreme weather events and resource shortages. The analysis looks at public opinion along these disparity lines of gender and income/emission levels. Read more [here](#).

BRIC 2023 Stakeholder Engagement Report Available. FEMA has published the Building Resilient Infrastructure and Communities' (BRIC) 2023 Stakeholder Engagement Report. [Read more](#)

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

New Tsunami Wayfinding Videos. A project through the [Cascadia CoPes Hub set off to identify multi-use adaptation strategies for disaster risk reduction](#). Through this project, two videos were created: one on Tsunami Evacuation Wayfinding using a [DOGAMI map](#) and How to Pack an Emergency / Go Bag. These videos are in [Spanish](#) and subtitled in [English](#).

Rebuild By Design: Atlas of Accountability - Mapping Climate Disasters Across Congressional Districts. As extreme weather continues to affect the United States, Rebuild by Design has launched the [Atlas of Accountability](#). This mapping tool is designed to help communities and policymakers understand their local exposure to extreme weather disasters. This tool builds on Rebuild by Design's 2022 report, [Atlas of Disaster](#). It analyzes county-level extreme weather disaster declarations and post-disaster federal assistance.

HMA Homepage Gets a Makeover. FEMA has revamped its Hazard Mitigation Assistance (HMA) landing page to improve the user experience for its partners, including state, local, tribal, and territorial governments. [Visit the new HMA landing page](#).

Americans' Extreme Weather Policy Views and Personal Experiences. Most Americans (73%) want stricter building standards in areas vulnerable to extreme weather. But more aggressive steps, like requiring people to move out of these areas, are unpopular (just 13% approve), according to Pew Research Center. [Read more](#).

A 'Man-Made Disaster' Could Make It Trickier to Buy or Sell a Home in Some Areas This Fall. If you are buying or selling a house, you want to avoid late September and early October, real estate experts say, because without an NFIP extension, you're not going to be able to get a mortgage in an area that requires flood insurance. [Read more.](#)

Biden's FEMA Director Tried to Fix the Agency. Did She Succeed? In her three years leading the agency, Deanne Criswell attempted to overhaul FEMA's disaster aid programs, oversaw billions of dollars in new spending on forward-looking adaptation projects, and navigated tough disputes over the rising cost of insurance and reconstruction in vulnerable areas. [Read more.](#)

Listen to Your Elders: Engaging Older Adults to Build a More Resilient Community. Older adults have a wealth of skills, talents, and knowledge that can be brought to bear in a disaster situation. Recognizing their resilience is good for them and good for the community. [Read more.](#)

The Future of Public Alerts and Warnings: Dennis Mileti Honored in Special Collection. A special volume of the Natural Hazards Review honoring the legacy of former Natural Hazards Director Dennis Mileti is now available online. [Read more here.](#)

Equity and Inclusion in Disasters: The Latest Research Counts Special Collection. Social inequity complicates every aspect of disaster management and contributes to harm among members of economically and socially marginalized groups. The latest collection of the Natural Hazards Center's Research Counts series examines this dynamic and ways to create more inclusive disaster response, recovery, and mitigation efforts. [Read more.](#)

Job, Scholarship, and Fellowship Opportunities

[Oregon:](#)

NEW - Tribal Resilience Specialist, Coquille Indian Tribe, Coos Bay. Apply by October 1, 2024. Under the direct supervision of the Senior Project Manager, the Tribal Resilience Specialist will help build climate resilience in our communities and will foster collaboration among various stakeholders to address the impacts of climate change. The Climate Resilience Specialist will support the need to combat the negative impacts of climate change and will focus primarily on mitigating specific climate change challenges that negatively affect the Tribe and tribal citizens. This individual will provide support in organizing community involvement initiatives, collaborating with state, federal, and non-federal partners, and will support the development and implementation of community resilience plans, vulnerability assessments, strategic planning efforts, and data gathering. This position will require you to travel 10-20% of the time. Apply [here.](#)

NEW - Assistant Professor of Earth Sciences, University of Oregon. Closing date October 1, 2024. The Department of Earth Sciences is seeking a geoscientist for a tenure-track faculty

position starting Fall 2025, with a broadly defined emphasis on subduction zone science. The successful applicant will conduct innovative work on the processes that define active tectonic provinces or that are associated with geohazards in subduction zones. This could include earthquakes and faulting, volcanism, petrology and geochemistry, surface processes, structural geology, mantle geodynamics, and marine science. Read more and apply [here](#).

NEW - Climate Science Instructor, Oregon State University. Closing date October 15, 2024. The primary purpose of this position is to develop and deliver on-campus and online (ecampus) courses in climate and atmospheric sciences and meteorology for the College of Earth, Ocean, and Atmospheric Sciences (CEOAS) at OSU. Courses may include a 100 level course in weather and climate, ATS 201 Climate Science, and upper division courses that support the climate science program and align with the incumbent's area of specialization. In addition to instruction, the incumbent will be responsible for course and curriculum development, online course and digital content development, in part in collaboration with other faculty, and coordination of online and face-to-face course content. This position may direct student research projects and internships and serve on student committees. Read more and apply [here](#).

NEW - Erosion Control Manager. Oregon City, OR. Suulutaaq, Inc. is a General Heavy Civil Contractor, currently looking to hire an Erosion Control Manager for I-205 Improvements project in Oregon City, Oregon. The owner of this project is the Oregon Department of Transportation. This will be a full-time position Read more and apply [here](#).

NEW - Assistant Professor/Coastal Mariculture Extension Specialist, Oregon Sea Grant. The Assistant Professor (Practice) with [Oregon Sea Grant](#) and the [OSU Extension Service](#) will focus on coastal mariculture in Oregon. The successful candidate will represent Oregon Sea Grant in supporting the goals and objectives of the Oregon Coastal Mariculture Collaborative and its partners. This is a full-time, 2-year fixed term appointment supported by external grants. The position may be renewed or extended contingent on the availability of funding and the discretion of the Oregon Sea Grant director. **For full consideration, apply by October 7, 2024. Application closes on October 14, 2024.** Learn more [here](#).

NEW - Wave Lab Assistant, Oregon State University, Student employee. Rolling application. Work in the Wave Research Laboratory in the planning, preparation, instrumentation, execution, recovery, and cleanup of physical model tests of coastal processes and studies of wave-structure interaction in the Large Wave Flume and/or the Directional Wave Basin. Read more and apply [here](#).

[Washington:](#)

NEW - Monitoring Program Effectiveness Analyst, Puget Sound Partnership. Duties include: Lead the coordination of effectiveness assessment to support Puget Sound recovery efforts. Serve as the Partnership's contract manager for assigned inter-agency agreements and contracts related to effectiveness assessment. Discover and compile relevant data related to the implementation and effectiveness of ecosystem recovery efforts. Conduct appropriate

quantitative (e.g. statistical) and non-quantitative analyses. Summarize data, analyses, and results into manuscripts, reports, fact sheets, verbal presentations and narrative documents. Refine and communicate results in both written and verbal formats for technical and non-technical audiences. Coordinate review and revision of products by appropriate technical and policy experts. **Deadline for application is October 8, 2025.** More information [here](#).

NEW - Associate Professor or Professor, School of Aquatic and Fishery Sciences, University of Washington. The School of Aquatic and Fishery Sciences (SAFS) at the University of Washington seeks to fill a tenured position at the Associate or Professor level with a specialization in applied organismal biology and aquaculture, with an administrative appointment as Executive Director of the Western Regional Aquaculture Center (WRAC). **Application review begins October 25, 2024.** More information [here](#).

NEW - Herrera Environmental Consultants, Inc. is hiring an early career coastal scientist, planner, or engineer to join their Seattle or Bellingham office. Check out the job listings [here](#).

Resilience Fellowship Specialist, Washington Sea Grant (Seattle & Multiple locations, WA). Washington Sea Grant is hiring a [Resilience Fellowship Specialist](#) that will support program development, administration, and technical advising for WSG's new Coastal Resilience Fellowship program. The position will develop guidelines for the new program that will link the skills, expertise, and innovation of recent master or PhD level graduates with the coastal resilience project needs of Washington's coastal communities – including local governments, tribes, and nonprofit organizations. **Application is open until filled.**

Flood Control Assistance Account Program (FCAAP) Planner (Environmental Planner 3), Washington Department of Ecology. Multiple locations (statewide WA). This position will plan, organize, and oversee the implementation of an existing grant program [the Flood Control Assistance Account Program (FCAAP)] that focuses on helping local communities identify their risks from flooding and address those risks through a comprehensive planning approach. The role will also develop and help senior staff and managers carry out recommendations to improve the efficiency and effectiveness of the program. Apply [here](#).

NEW - Climate Change Manager, Lummi Natural Resources. Deadline to Apply: October 2, 2024. The Lummi Natural Resources (LNR) Climate Change Manager (CCM) directs and coordinates the implementation LIBC's Climate Change Mitigation and Adaptation Plan (CCMAP) within the Natural Resources Department and the community with the goal of creating climate resilience in Lummi Nation's built and natural environments. The Climate Change Manager also supports the implementation of the LIBC's Strategic Energy Plan (SEP) within the Natural Resources Department and the community with the goal of reducing carbon emissions to mitigate future climate change. Read more and apply [here](#).

NEW - Environmental Outreach Specialist, Washington State Climate Office. Application Review begins October 2, 2024. The Washington State Climate Office is hiring an entry-level,

full-time Environmental Outreach Specialist to help support core functions of the Office. Duties include technical presentations, developing and interpreting climate data products, science syntheses, media engagement, contributing to climate trainings/education, and other work to share scientific and technical knowledge about climate and its impacts. A key focus of this position is communications, with an emphasis on producing high-quality information about climate, climate impacts, and its relevance to our local, state, and tribal partners. We are seeking candidates with subject matter expertise in meteorology, climatology, or a related field, in order to participate in applied research, accurately communicate the science of climate and its impacts, and address the climate information needs of our partners both within and beyond UW. Read more and apply [here](#).

NOAA Fellowship in Measuring the Value of Ecosystem Services from Habitat Restoration, NOAA Fisheries Research Participation Program (Seattle, WA). NOAA is hiring a post-doctoral or post-master's degree research fellow for this learning opportunity about developing models and tools to support recovery planning for Pacific salmon. The fellow's primary project will be investigating capitalization of habitat restoration co-benefits into property values. **Application deadline Oct 4, 2024.** Apply [here](#).

NEW - University of Washington Climate Impacts Group Director. Position Open Until Filled. Applications screening begins: October 14, 2024. The Climate Impacts Group is hiring a director to lead, support and plan the activities of their group. The director will: 1) provide strategic leadership for the organization; 2) drive fundraising and financial stewardship; 3) build relationships and maintain an engagement plan focused on enhancing impact; and 4) provide internal management by promoting a positive work culture and supervising and mentoring key staff members. Read more and apply [here](#).

State Waters Rulemaking Lead, Washington State Department of Ecology. Multiple locations (Western WA). In this role, you will help design a permitting program to protect waters and streams and write a rule to outline the permit process and sideboards. You'll learn about the rulemaking process and have an opportunity to work with a range of interested parties as we develop the rule. You'll enhance your public speaking skills through presentations to management, interested parties, and the public. [Learn more and apply here](#).

[Pacific Northwest/ Other:](#)

NEW - Columbia Basin Program Director. Applications Due: October 7, 2024. The Columbia Basin Program Director will serve as The Nature Conservancy's (TNC) lead strategist and work directly with the leadership of Tribal Nations and partners across the Columbia Basin to help marshal TNC's resources to achieve the outcomes described in the Tribal-led Resilient Columbia Restoration Initiative. The ideal candidate will be a skilled relationship-builder and excellent communicator who is grounded in cultural knowledge and capability gained through lived experience and is motivated by working collaboratively with others to find mutually

beneficial solutions facing the Columbia Basin. More details can be found in the attached job posting or direct link to [apply online here](#).

NEW - USGS Invasive Species and Climate Change Fellowship. Applications Due: October 11, 2024. The Southwest Climate Adaptation Science Center (SW CASC) is seeking a postdoc or PhD candidate to lead research synthesis on the intersection of invasive species and climate change in the Southwest. The SW CASC delivers useful and usable science to natural and cultural resource managers for climate adaptation planning. There is growing awareness that climate change influences the spread of invasive species and that invasives can interact with climate change, exacerbating impacts. The SW CASC is interested in synthesizing research on invasive species and climate change across the Southwest and engaging with natural and cultural resource managers to identify regional research, education, and communication priorities. Read more and apply [here](#).

ORISE Fellow, Northwest Climate Adaptation Science Center, US Department of the Interior. Location is negotiable within Idaho, Oregon, or Washington. NW CASC is hiring an ORISE communications fellow to expand the reach of its communications program! The fellow will help develop communications products and conduct outreach for NW CASC's science users; evaluate opportunities for strengthening communication of NW CASC-funded research to various audiences; and support internal communications. **Application review will begin on October 15, 2024.** Learn more and apply [here](#).

Marine Director, Marine Department, Yurok Tribe (Klamath). Application closing date is October 29, 2024. Under the supervision of the Deputy Executive Director of Natural Resources, and guided by the policies of the Yurok Tribe, the Marine Department Director is responsible for advancing and implementing management goals related to the conservation, management, and restoration of marine and coastal resources, in accordance with the Yurok Constitution and guidance of traditional Yurok values and techniques. Through integration of traditional knowledge and western science, the position will lead staff to plan, monitor, assess, and implement management actions to support conservation of Yurok Tribal marine and coastal resources and their habitats with Yurok Tribe ancestral oceanic waters. The Marine Department Director will represent the Yurok Tribe in technical and policy forums to protect, assert, and enhance Yurok Tribe rights to gather, harvest, and utilize marine resources for ceremonial, subsistence, and economic needs. Learn more and apply [here](#).

Mendenhall Research Fellowship Program 23-27. Applications are due November 1st. The US Geological Survey has a research opportunity to understand human dimensions and disaster loss information from geophysical hazard events. Candidates and approaches may be chosen from a variety of related fields. [Learn more](#).

NOAA Climate & Global Change Postdoctoral Program. Deadline January 10, 2025. Each appointed fellow is hosted by a mentoring scientist at a U.S. university or research institution (including Federal laboratories and FFRDCs) to work in an innovative climate-related research area of mutual interest to advance NOAA's science mission. This mission is to understand and

predict climate, weather, oceans, and coast changes and illustrate relevance to the [NOAA FY22-26 Strategic Plan](#). This is open to all climate and global change related disciplines, including *social and interdisciplinary sciences*. Upcoming Q&A session to learn more is on October 15, 2024. Learn more [here](#).

NEW - Offshore Wind Tribal Affairs and Community Engagement Specialist, California Natural Resources Agency. The Offshore Wind Tribal Affairs and Community Engagement Specialist will be responsible for facilitating collaborative and coordinated state agency efforts to consult with California Native American tribes and engage with coastal communities, including under-served port communities, to ensure current and future offshore wind planning, construction, and avoidance and mitigation strategies reflect tribal and community needs. The incumbent will additionally support OPC's Tribal Liaison on OPC's broader tribal consultation and engagement efforts and will be responsible for implementation of OPC's mission, CNRA priorities, and the Governor's policy positions on ocean and coastal matters. **Application closes October 9, 2024.** More information [here](#).

NEW - Offshore Wind Program Manager, California Natural Resources Agency. The incumbent will oversee the development of scientific environmental monitoring guidance, establishing and implementing a comprehensive environmental monitoring and research program, and identifying critical information needs and strategic investments to ensure offshore wind development is informed by the best available science. This role will be responsible for collaborating with other OPC staff, state and federal regulatory agencies, California Native American tribes, academic scientists, non-profits, community representatives, and others, on topics pertaining to offshore wind development. Finally, the Senior Environmental Scientist (Specialist) will provide additional support and capacity for the implementation of broader OPC and California Natural Resources Agency priorities related to offshore wind development and will support embedding equity and environmental justice into all programs and actions. **Application closes October 9, 2024.** More information [HERE](#).

NEW - Call for Co-Chief – Galapagos Triple Junction OBS deployment #1 (Apr/May 2025). **Application deadline: November 10, 2024.** Cruise dates: April 9th - May 10th, 2025 (flexibility of ± 2 days required). Departs: Puntarenas, Costa Rica. Arrives: San Diego, CA. Co-chief scientist needed to sail on a broadband Ocean Bottom Seismometer (OBS) deployment across two of the mid-ocean ridges comprising the Galapagos Triple Junction. This cruise is the first leg of four in a multi-part project to comprehensively image the mantle beneath and adjacent to this triple junction. The science goals of this NSF-funded project ([OCE #2143865](#)) revolve around learning more about mid-ocean ridges in general, and the dynamics of this triple junction in particular. Applicants should be postdoctoral scientists or faculty in a related field at the time of application. Early career applicants will be given priority. Experience with use of OBS data, OBS experiments, or other prior cruises is not a prerequisite, but may strengthen your application. Travel and subsistence funds will be provided to/from and while in port. Please email asap if you plan to apply, then kindly assemble an application package (2-page CV, 1-page statement of professional and scientific interest and experience, 0.5-page statement on fostering inclusive and equitable scientific community) and submit via email (eilon@ucsb.edu).

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](#)



Coastal Hazards Newsletter pnwcoastalhazardsnews@gmail.com

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