

Welcome!

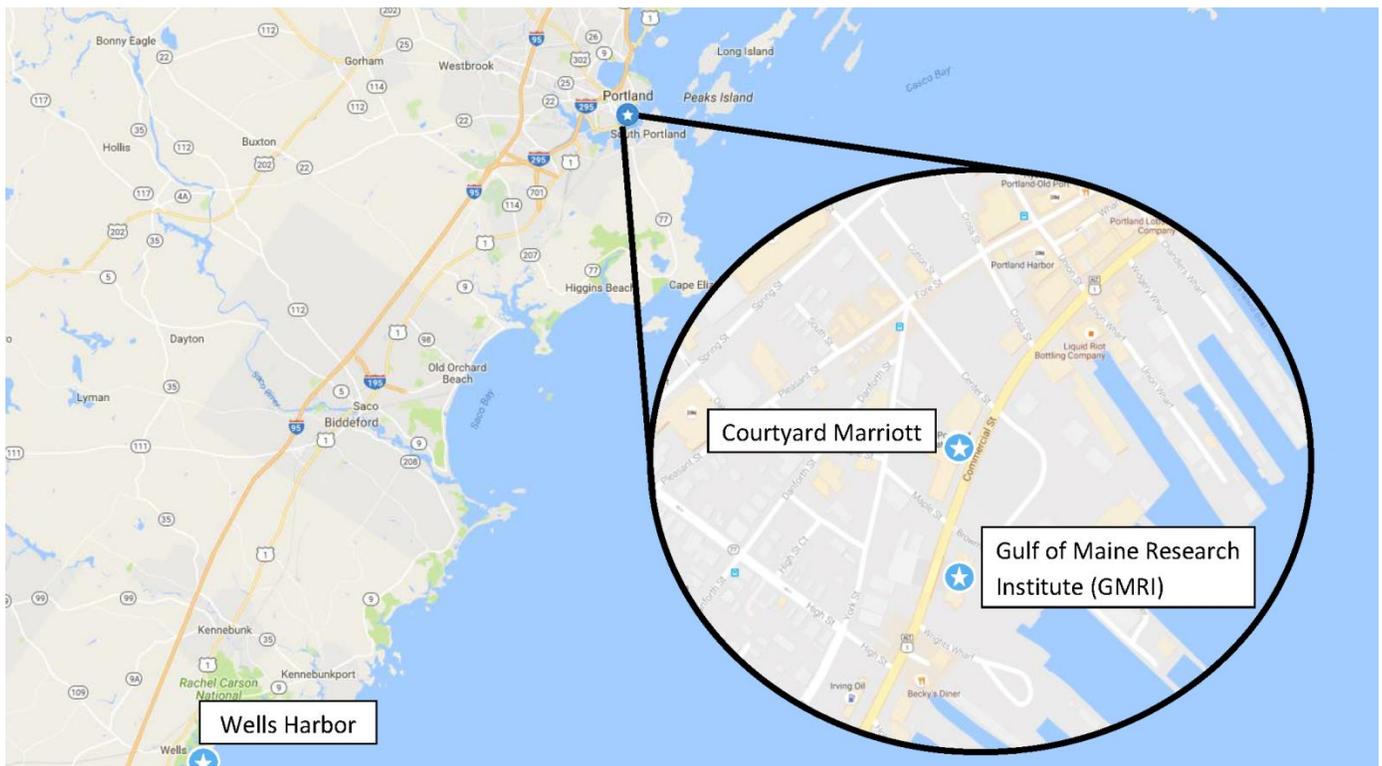
We are looking forward to seeing you on Thursday, November 3rd for the kick off to the sixth biennial NEOSEC Ocean Literacy Summit. This packet includes all the things you need to know for the day including locations, descriptions, and speakers.

Social Media

Follow us @_NEOSEC and tweet using **#OLSummit16**. Visit our Storify to see what's going on. Facebook: <https://www.facebook.com/NewEnglandOcean>

Directions

Below is a screenshot of the available [Google Map](#) that shows locations of Thursday events. Detailed directions and parking options are included in this packet, and the map can be located at the [NEOSEC website](#) for quick and easy mobile access.



SCHEDULE OF EVENTS OVERVIEW – THURSDAY, NOVEMBER 3

Parking: Hotel (\$10 valet) or dirt lot at 468 Commercial Street across from Eimskip (\$5). The dirt lot is about a half mile walk to the hotel. Parking is also metered and non-metered on Commercial Street. Limited parking is available in the GMRI lot, please only park there if you are attending the tour or Thursday evening reception.

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|-------------------|---|
| 8:30 - 9:00 am | Check in for Climate Communication Workshop – Courtyard Marriott lobby |
| 9:00am – 12:00 pm | Climate Communications Workshop - National Network for Ocean and Climate Change Interpretation (NNOCCI) - Courtyard Marriott, 321 Commercial Street |
| 1:00-4:00 pm: | Field Trips
Please check your registration confirmation to ensure you are signed up for a tour. For details on where and when to meet, see details on page 4.

1:00 Walk the Working Waterfront Tour
GMRI LabVenture! Program
Estuary Boat Tour at Wells National Estuarine Research Reserve
2:30 Second Estuary Boat Tour
3:00 Second Walk the Working Waterfront Tour |
| 2:00-5:00 pm | Broader Impacts Workshop: Ocean Science Education and Outreach: Broadening the Reach of Your Science - Gulf of Maine Research Institute, 350 Commercial Street, Board Room (Second Floor) |
| 5:30 - 7:30 pm: | Evening Reception and Gulf of Maine Marine Educators Association (GOMMEA) Annual Meeting - Gulf of Maine Research Institute, 350 Commercial Street |
| 8:00 - 10:00 pm | Science Café - Novare Res Bier Café, 4 Canal Plaza, Suite 1 |

Thursday Events and Details

NNOCCI Climate Communications Workshop

9:00am – 12:00pm

Courtyard Marriott, 321 Commercial St, Portland, ME

Parking options: Hotel (\$10 valet) or dirt lot at 468 Commercial Street across from Emskip (\$5). The dirt lot is about a half mile walk to the hotel. Parking is also metered and non-metered on Commercial Street.

Check in will be available from 8:30 to 9:00 am. Some pastries and drinks will be provided in the morning.

NNOCCI is a collaborative effort led by the New England Aquarium with the Association for Zoos and Aquariums, the FrameWorks Institute, the Woods Hole



NNOCCI National Network for Ocean and Climate Change Interpretation

Oceanographic Institution, the National Aquarium, Monterey Bay Aquarium, the New Knowledge Organization in partnership with Penn State University and the Ohio's Center for Science and Industry. With support from the National Science Foundation Climate Change Education Partnership program, NNOCCI is working to establish a national network of professionals who are skilled in communicating and translating climate and ocean science to broad public audiences. Our goal is to change the nature of public conversation about issues of climate change to be inviting, empowering and solutions-oriented.

This half-day workshop will:

- Introduce participants to elements of *strategic framing* – a research-based approach to communications to engage audiences in thinking productively about how they can participate in creating or supporting solutions to important issues. Specifically, we will introduce the role of *tone*, *values*, careful use of *metaphor*, and consideration of how to *select solutions* to include if your goal is to foster productive dialog to encourage audiences to feel interested and empowered.
- Share several activities and demonstrations to review core elements of climate and ocean science.
- Provide opportunities to practice applying ideas.

Presenters:



Jen West

Coastal Training Program Coordinator at
Narragansett Bay Research



Hannah Pickard

Community Engagement Supervisor at
the New England Aquarium

Lunch

While lunch will not be provided at the Summit, downtown Portland has many options to grab a bite to eat in the Old Port and Commercial Street:

- Becky's Diner (www.beckysdiner.com)
- The Corner Room and The Grill Room (www.hardingleesmith.com)
- The Porthole (www.portholemaine.com)
- Duck Fat (www.duckfat.com)
- Zapoteca (www.zapotecarestaurant.com)
- Boone's (www.hardingleesmith.com)
- Flatbread (www.flatbreadcompany.com)
- Central Provisions (www.central-provisions.com)
- Little Tap House (www.littletaphouse.com)
- Sapporo (www.sappororestaurant.com)
- Artemisia (www.artemisiacafe.com)
- Portland Pie (www.portlandpie.com)

Tours

GMRI LabVenture!

350 Commercial Street, Portland, ME

Tour begins at 1pm. Meet at GMRI main lobby (entrance). Limited free parking is available for tour participants in the lot next to the building.

In GMRI's *LabVenture!* experience, 5th and 6th graders from all corners of Maine take on the role of scientists and conduct their own hands-on research in our state-of-the-art learning laboratory. This is your opportunity to experience the program first hand. As a participant of our current content, Complex Systems, you will be empowered to investigate the Gulf of Maine and the many systems it comprises. Take on the roles of scientists and fishermen to discover the connections among cod, lobster, herring, and humans in the Gulf of Maine ecosystem. You will examine food webs, behavior patterns, and human activities in order to uncover how they are inextricably woven together. You will work in teams to complete the four interactive digital stations that students do to explore:

- **How are cod and lobster connected?** Investigate how behavior changes affect competition for food, shelter, and changes in growth and reproduction.
- **Are we farming lobsters?** Explore how the herring used for lobster bait may be impacting the growth of lobsters.
- **How can we make fisheries more sustainable?** Experiment with fishing gear technologies to maximize fuel and catch efficiency to make money while minimizing their long-term impact on the fishery.
- **What impacts will climate change have on the Gulf of Maine ecosystem?** Research the impacts that warmer water may have on a key species and the ecosystem as a whole.

Working Waterfront Tour

Courtyard Marriott - 321 Commercial Street, Portland, ME

Two sessions: 1 and 3 pm. Participants should meet at the entrance of the hotel. Parking options: Hotel (\$10 valet) or dirt lot at 468 Commercial Street across from Eimskip (\$5). The dirt lot is about a half mile walk to the hotel. Parking is also metered and non-metered on Commercial Street.

Tour leads will have a list of registrants to check you in at the event. Please plan to arrive a bit early as tours will leave at exactly 1pm and 3pm. What to bring: Wear comfortable walking shoes. Tours will plan to go rain or shine so please make sure to bring layers of clothing to keep you warm and dry.

This tour will include visits to a variety of new and old marine businesses on the waterfront along historic wharves. The Portland waterfront remains a vibrant "working waterfront" that hosts a variety of marine based activities, local businesses and fishing vessels.

Changing Tides: Boat Tour

Wells Harbor dock at the end of Harbor Road, Wells, ME

Two sessions: 1-2:30 pm and 2:30-4 pm. Tour leads will have a list of registrants to check you in at the event. Directions: Take the Maine Turnpike to Wells. After exiting take a left at the lights onto Route 109. Follow Route 109 until it ends at a set of lights on Route 1. Take a left on Route 1 and travel approximately 200 feet and take a right on Harbor Road. The Wells Fire Station is on the corner of Route 1 and Harbor Road. Follow Harbor Road to its end, park, and make your way to the town dock. What to bring: Clothes suitable for the expected weather (bring warm layers), binoculars (optional), life jackets will be provided.

Small communities at the intersection of the urban/ rural/ coastal interface are dependent on the ocean and are experiencing the effects of climate change while having limited resources to respond. Join the staff of the Wells National Estuarine Research Reserve on a boat tour of the Webhannet estuary and explore how research, monitoring, education, conservation, restoration and community involvement are being combined to increase awareness and resiliency. Please note that this tour will be in a different location. You will be responsible for getting yourself to and from Wells, ME.

Broader Impacts Workshop

2:00 – 5:00pm

Ocean Science Education and Outreach: Broadening the Reach of Your Science

Gulf of Maine Research Institute Board Room (Second Floor) – 350 Commercial Street

This workshop will be from 2:00 to 5:00 pm and no registration is required. This workshop will focus on helping participants develop ideas for effective education and outreach activities. Featuring active, hands-on learning, small group discussions, and guided inquiry, this workshop will include short presentations on exemplary projects in formal and informal education designed for K-12, undergraduate, graduate, and public audiences to stimulate ideas. Discussions of how people learn, how to assess the effectiveness of outreach activities, and how to develop projects that meet specific goals will help support project development. Participants are welcome to bring ideas that they would like to develop and share, and for which they would like to receive feedback.

GOMMEA Annual Meeting and Evening Reception

5:30 – 7:30pm

Comedy, Camaraderie, and Climate

Gulf of Maine Research Institute, 350 Commercial Street, Portland, ME

The Gulf of Maine Marine Education Association (GOMMEA) along with the Gulf of Maine Research Institute are pleased to host an evening of networking, camaraderie, laughter, good food, and live music.



A shapeshifter, Peterson Toscano transforms right before your eyes into a whole cast of comic characters who explore climate change and environmental justice. The host of the popular Citizens' Climate Radio Podcast, Peterson delights audiences throughout North America, Europe, and in South Africa with his original, off-beat comedy that takes on the world's most serious issues.



Peterson Toscano will perform two shows during the evening, one at 6:30 and another at 7:00. Food and a cash bar will be available. The evening will also feature live music from the Palm Court Serenaders who are the only Hawaiian band existing on the New Hampshire Seacoast.



Science Café: Impacts of Climate Change in the Gulf of Maine

8:00 – 10:00pm

Novare Res Bier Café - 4 Canal Plaza, Suite 1, Portland, ME

FREE food, cash bar. No registration required. All are welcome to join the informal discussions at the crossroads of our coasts and communities. Hosted by COSEE Graduate Students for Ocean Education and IGERT Coasts and Communities. Speakers will include:



Preparing Future Environmental Leaders



Jeremy Miller, Research Associate, Wells National Estuarine Research Reserve

Jeremy's main focus is to coordinate the System Wide Monitoring Program (SWMP) at the Wells National Estuarine Research Reserve. SWMP focuses on long term monitoring of water quality, nutrient, and weather data within their two estuaries in Wells. He also oversees the Ichthyoplankton (larval fish) monitoring project which looks at the distribution and diversity of larval fishes in the estuary. Jeremy also manages the research lab and assists with a number of projects and outreach



efforts of the Wells Reserve. Jeremy moved to Maine in 1999 to attend college at the University of New England in Biddeford where he received his bachelor's degree in Environmental Science with a minor in Marine Biology. He started at the Wells Reserve as an intern in the summer of 2003 working with the Research Department on a number of projects ranging from the effects of trawling on benthic habitats, to energy transfer in salt marsh food webs. He came on board full time in 2004. Jeremy lives in Buxton, ME with his wife Sarah, son Lucas, and daughter Camille.

Laura Dorle, Campaign Director, Environment Maine

Laura graduated in 2014 from the University of Minnesota, Twin Cities with a degree in Environmental Sciences, Policy, and Management. She started her organizing career during college where she organized for environmental change—first as a student at the University of California, Davis working on a successful effort to ban plastic bags in the City of Davis, and then working with Real Food Challenge to successfully convince the University of Minnesota to purchase food that supports a sustainable and just food system. Laura moved from Minnesota to Maine in 2014 to join the Environment Maine team as a campaign organizer on their Global Warming Solutions Campaign. In that role, she was instrumental in organizing sportsmen (and women) in the lakes region to take action to fight climate change, work that influenced Senator Susan Collins to become a supporter of federal climate mitigation. She started as Environment Maine's Campaign Director in January of 2016.



Edward Hutchins II, Commercial Lobster Fisherman

Ed is a native of Kennebunkport, ME and the owner and operator of a commercial lobster vessel for over twenty years. A Plymouth State University alumni and selectman for the town of Kennebunkport, Ed works collaboratively with the University of New England as a cooperative researcher on various projects for improving Gulf of Maine stock assessments and fishery management plans. Ed will share his fishing experiences and local ecological knowledge from his career in the rapidly warming Gulf of Maine.

