



Volume 1 | Issue 1
June 17, 2019

Embarking on a New Chapter

Expanding Communication

As OCOIN enters its fourth year as an organization, we are making network-wide communication a top priority. We will be sending network members a semi-annual newsletter sharing organizational milestones, exploring unique research projects added to the *Coastal Research Explorer*, highlighting OCOIN interns, and more.

The '19 – '20 Steering Committee



Bryn Hudson
Executive Chair
Governor's Office

Executive Committee



Elise Granek
Portland State University

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Adrian Laufer
Chair
Oregon State University

Technical Committee



Tanya Haddad
Chair
Oregon Coastal Management Program



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Oregon State University



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Institute for Natural Resources

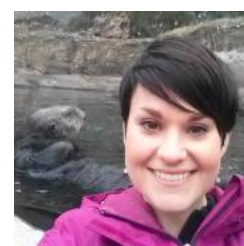


Deanna Caracciolo
Oregon Coastal Management Program

General Members



Andy Lanier
Oregon Coastal Management Program



Amy Ehrhart
Portland State University



INTRODUCING WILLEM KLAJBOR 2019 Summer Intern

As a first year graduate student in OSU's Marine Resource Management program, Will is excited to begin the OCOIN internship position. OCOIN supports his goals of "facilitating the exchange of useful data and ultimately further progress towards the goal of sustainable, science-based stewardship of our ocean and coastal resources", and provides the perfect space for him to practice these skills. We are all looking forward to working with him starting in June!



What’s new in the network?



All Project Research Categories

132

Research projects showing.

Atlas of the Pacific Northwest

2019 Edition



Oregon Coastal & Marine Data Network

connecting producers & users of coastal & marine data

Adrian Laufer



10 months ago

Profile

View

Basic Information

Name	Adrian Laufer
Institution	Oregon State University
Department	School of Public Policy
Position	Graduate Student
Email	laufera@oregonstate.edu
LinkedIn	http://www.linkedin.com/in/adrian-laufer-500544122

Professional Profile

Tools & Technologies	GIS, Survey, Interview, Statistics, Adobe Creative Suite, Spatial Analysis, SCUBA, Marine Spatial Planning, ArcGIS
Professional/Research Interests	Coastal & Ocean Monitoring, Conservation
Field of Work	Marine Mammal Ecology, Conservation, Management, Public Policy

Example OCMDN Directory Profile

2019 OCOIN Webinar

[CLICK HERE TO VOTE FOR A DATE](#)

This webinar will be replacing the in-person workshop. Please use the link above to share your availability.

A Year in Review: Oregon’s Coastal Research Tool & Site

In 2018, the [Oregon Coastal Research Explorer tool](#) had more than 330 page views, with peak use in the August – October time period. The Coastal Research landing page on the Oregon Explorer had nearly double this usage (650 page views). The site and tool were launched on December 1, 2017, so they’re still relatively new. [Help us by adding your research](#) and letting others know about this site and tool that connects you with other research and researchers throughout the state.

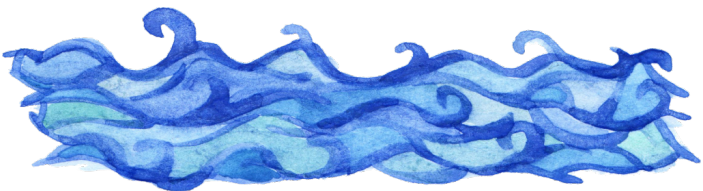
Atlas of the Pacific Northwest: Marine Chapter

The 2019 edition of this digital atlas includes a new marine chapter. More than 35 maps display data for the Oregon and Washington coast covering topics of conservation, estuaries, fisheries, marine mammals, ocean economy and ocean health. [Check it out here.](#)

Oregon Coastal & Marine Data Network Directory

At the last OCOIN meeting all contributors were entered into the Oregon Coastal & Marine Data Network (OCMDN) directory, which can be found online [here](#). The directory makes it possible for OCOIN members to have a unique profile that in the future can be linked to the projects listed in the OCOIN Coastal Research Explorer tool, and ultimately will eliminate duplicate data entry in the next generation of the tool.

Users can find and review their profile by searching the alphabetical listing. If you would like to make edits to the default profile, it will be necessary to log into the system. Please email tanya.haddad@state.or.us to activate your account.



To highlight the diverse and innovative science occurring on the coast, each newsletter will highlight a research project that is entered in the Coastal Research Explorer.

“Linking Climate to Multi-Decadal Shoreline Change in Oregon”

by Dylan Anderson (OSU) & Dr. Peter Ruggiero (OSU)



The two photos above were taken from the exact same spot on the Oregon coast about ten years apart. In only ten years, so much sediment has deposited that homes are being buried. Other places on the coast experience the opposite effect, where once solid shorelines are being quickly eroded and threatening coastal properties. Ph.D. student Dylan Anderson worked with advisor Dr. Peter Ruggiero and state manager Jonathan Allan to create a statistical framework that models shoreline change in relation to changing climate and ocean conditions.

“We’re a society with short memories”

Their completed framework models historical shoreline change and has the capacity to predict future shoreline changes. Historical analysis revealed that shoreline change is not linear; in fact, the site pictured above likely switches between periods of erosion and accretion. Relating these historical changes to global climate models enables future scenario modelling and prediction.

Anderson believes that this work has the potential to inform coastal management and policy-making. He explains that “we’re a society with short memories. We’re spending a lot of money trying to protect ourselves just to have the sediment come right back to us.” Understanding these long-term fluctuations opens up new possibilities for predicting coastal conditions and enhancing resilience on a relevant timescale.

Throughout the research process, Anderson emphasized the importance of collaboration and science communication. He has made a dedicated effort to share this research with stakeholders through community presentations and by uploading his research to OCOIN’s Coastal Research Explorer. Moving forward, this model will be added to ENVISION: a decision support tool for coastal managers and policymakers. You can find more information on this project by finding their entry in the [Coastal Research Explorer](#) or reading their recent publication in the [Journal of Geophysical Research](#).



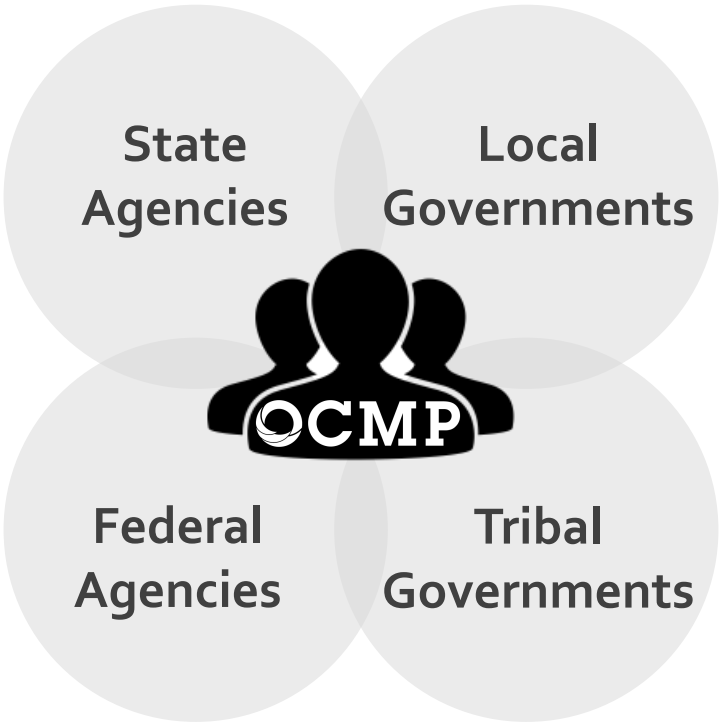


OCMP

Oregon Coastal
Management Program

Oregon is one of 34 states that participates in the national Coastal Zone Management Program established by the Coastal Zone Management Act of 1972. The national program includes coastal and Great Lake states in partnership with the federal government and provides the basis for protecting, restoring, and responsibly developing coastal and ocean resources.

The Oregon Coastal Management Program (OCMP) is uniquely structured as a network between federal, state, tribal, and local governments. The program is centered around 4 [Statewide Land Use Planning Goals](#) and addresses a multitude of topics including coastal hazard planning, ocean planning, and federal permit review.



Since joining the OCOIN partnership in 2017, OCMP has helped to support the network with tool development, technical support, state agency and researcher networking, and internship supervision.

Oregon’s Coastal Land Use Planning Goals



GOAL 16
Classifies and determines permissible uses in Oregon’s 22 major estuaries



GOAL 17
Defines planning areas bound by the ocean beaches and reserves unique lands for water related uses.



GOAL 18
Sets standards for the protection and development of beach and dune areas



GOAL 19
Determines actions in state waters must be conducted to conserve ecological, economic, and social value and benefits.

Learn more about the OCMP at www.oregon.gov/lcd/OCMP/