

Autumn 2022

CAPSTONE SYMPOSIUM

Wednesday, November 30, 2022 Online, 4:30 – 7:30 pm

Wednesday, December 7, 2022 In-Person, 5:00 – 7:30 pm

*UW School of Aquatic Fisheries & Science
FSH 102 & Lobby*

The Capstone experience is a three-course series (ENVIR 490, 491, 492) centered on a quarter-long project-based internship with a community site partner. Capstone sites range from community-based nonprofits and government agencies to faculty research projects and private sector initiatives. With the mentorship of a faculty advisor and the support of the site supervisor, students gain valuable hands-on experience, explore career possibilities, and build a wide spectrum of professional communication skills.

Share your thoughts on Twitter!

Students will be live-tweeting all sessions so if you miss one, follow the updates. If you tweet, we encourage you to share what you learn and use the hashtag, #POEcap.

DAY 1: ONLINE POSTER SYMPOSIUM (November 30)

4:30 – 4:40 pm **Welcome and Session Overview**

4:40 – 4:50 pm Session A Speaker Intros

4:50 – 5:50 pm Poster Session A - Agriculture & Food Systems; Business & Sustainability;
Natural Science and Restoration

Tree Health In a Warming Climate: A Synthesis of the Western Redcedar Case Study

- Breakout Room 1
- Hibaaq Arte, @HibaaqArte, Program on the Environment, University of Washington
- Site Supervisor: Dr. Joseph Hulbert, Forest Health Watch/ WSU Puyallup Research and Extension Program
- Faculty Advisor: Dr. Eli Wheat, Program on the Environment, University of Washington

Crab Battles: Comparison of the Early Life History of Dungeness Crabs to Yellow Shore Crabs

- Breakout Room 2
- Brendan Baudette, @Brendoscience, Program on the Environment, University of Washington
- Site Supervisor: Sean McDonald, University of Washington, Pacific Northwest Crab Research Group
- Faculty Advisor: Julie Keister, College of the Environment, University of Washington

Can Trawling Gear Be Modified to Catch Fish More Efficiently?

- Breakout Room 3
- Yeandya Teklu, @YeandyaT, Program on the Environment, University of Washington
- Site Supervisor: Susan Wang, National Oceanic and Atmospheric Administration
- Faculty Advisor: Tim Billo, Program on the Environment, University of Washington

Identifying Trends in Dungeness Crab Larval Abundance Across Puget Sound

- Breakout Room 4
- Ally Galiotto, @angaliotto, Program on the Environment, Marine Biology, University of Washington
- Site Supervisor: P. Sean McDonald and Emily Buckner, University of Washington, Pacific Northwest Crab Research Group
- Faculty Advisor: Tim Essington, School of Aquatic and Fishery Sciences, University of Washington

How Grassroots Sustainability Initiatives Can Be Facilitated in the Corporate Sector

- Breakout Room 5
- Kaylee Kobashigawa, @kjkaylee_, Program on the Environment, University of Washington
- Site Supervisor: Sophia Ahn, Seattle Public Utilities
- Faculty Advisor: Fred Pursell, Foster School of Business, University of Washington

Aquacide: Diquat Bromide and Its Effects on Portage Bay Wildlife

- Breakout Room 6
- Tore Landboe, @ToretheExplora, Program on the Environment, University of Washington
- Site Supervisor: Reynaldo Lopez, Agua Verde Paddle Club, Inc
- Faculty Advisor: Jason Toft, School of Aquatic and Fishery Sciences, University of Washington

Salmon Habitat Monitoring Efforts and Areas for Improvement

- Breakout Room 7
- Jeremy Leung, @JremyLeung, Program on the Environment, University of Washington
- Site Supervisor: Melissa Fleming, Stillwaters Environmental Center
- Faculty Advisor: Mark Scheuerell, School of Aquatic and Fishery Sciences, University of Washington

Return to Equilibrium: Monitoring the Recovery of a Salt Marsh in Kingston, WA

- Breakout Room 8
- David Lin, @lin2500, Program on the Environment, University of Washington
- Site Supervisor: Melissa Fleming, Program Director, Stillwaters Environmental Center
- Faculty Advisor: Jason Toft, School of Aquatic and Fishery Sciences, University of Washington

Candidates for Future Sustainable Transportation

- Breakout Room 9
- Michael Qiu, @Michael44576962, Program on the Environment, University of Washington
- Site Supervisor: Eugene Kramer, Seattle Subway Foundation
- Faculty Advisor: Yen-Chu Weng, Program on the Environment, University of Washington

Lumber Mills and Certifications: Who Knew It Would Be This Hard?

- Breakout Room 10
- Ashley Rosales, @ArosalRosales, Program on the Environment, University of Washington
- Site Supervisor: Rowan Braybrook and Seth Zuckerman, Northwest Natural Resource Group
- Faculty Advisor: Indroneil Ganguly, Associate Professor, School of Environment and Forest Sciences, University of Washington

Douglas Fir Mortality: Monitoring Douglas Firs in Seward Park

- Breakout Room 11
- Ryland Schaul, @SchaulRyland, Program on the Environment, University of Washington
- Site Supervisor: Paul Shannon, Friends of Seward Park
- Faculty Advisor: Tim Billo, Program on the Environment, University of Washington

Weekly Observation of Tide Data and Wind Conditions of Dungeness Crab Megalopae

- Breakout Room 12
- Taylor Welch, @twelchuw, Program on the Environment, University of Washington
- Site Supervisor: P. Sean McDonald, University of Washington, Pacific Northwest Crab Research Group (PCRG)

- Faculty Advisor: Randie Bundy, Department of Oceanography, University of Washington

Aiding the Bantaid: How Do We Improve Food Charity?

- Breakout Room 13
- Hannah Whobrey, @hannahwhobrey, Program on the Environment, School of Public Health
- Site Supervisor: Jordyn Egbert, City Fruit
- Faculty Advisor: Alan Ismach, Center for Public Health Nutrition, University of Washington

5:50 – 6:00 pm

BREAK

6:00 – 6:05 pm Session B Overview

6:05 - 6:15 pm Session B Speaker Intros

6:15 – 7:15 pm Poster Session B – Arts & Humanities, Education & Outreach, Policy & Regulation

How Art Helps Kids Process Environmental Knowledge

- Breakout Room 1
- Autumn Aho, @AhoAutumn, Program on the Environment, Community, Environment, and Planning, University of Washington
- Site Supervisor: Nicolette Riggins, Chrysalis Forest School
- Faculty Advisor: Lubna Alzaroo, Program on the Environment, University of Washington

Climate Anxiety and Its Relationship with Environmental Education and Activism

- Breakout Room 2
- Camille Andrew, @CamilleAndrew_, Program on the Environment, University of Washington
- Site Supervisor: Kristen Attebery, University of Washington Bothell, and Stephan Classen, Cascadia College
- Faculty Advisor: Gary Handwerk, Program on the Environment, University of Washington

Trees? Yes, Please: Forest Schools & the Development of Social and Environmental Interactions

- Breakout Room 3
- Eva Maria Burns, @evamariaburns0, Program on the Environment, University of Washington
- Site Supervisor: Julia Glassy, Fiddleheads Forest School
- Faculty Advisor: Jessica Thompson, College of Education, University of Washington

The Limitations of Residential Sustainable Landscaping and How to Overcome Them

- Breakout Room 4
- Alyson Cline, @A_cline9, Program on the Environment, University of Washington
- Site Supervisor: John Coghlan, HomeGrown Organics
- Faculty Advisor: Ken Yocom, Landscape Architecture, University of Washington

Encouraging Beachgoers to Keep Wildlife Wild: Pinniped Science Communication

- Breakout Room 5

- Mikaela Ebbeson, @MikaelaEbbeson, Program on the Environment, Dance, University of Washington
- Site Supervisor: Donielle Stevens, NOAA Fisheries West Coast Region
- Faculty Advisor: Kristi Straus, Program on the Environment, University of Washington

How Communication Differences Impact the Effectiveness of Environmental Organizations

- Breakout Room 6
- McKenna Eggers, @EggersMckenna, Program on the Environment, Interdisciplinary Honors Program, University of Washington
- Site Supervisor: Lara Whitely Binder, King County Climate Action Team
- Faculty Advisor: John Meyer, Communications, College of the Environment

Bridging the Gap: Using Complex Documents for General Environmental Communication

- Breakout Room 7
- Rachel Glessner, @RachelRoo7, Program on the Environment, University of Washington
- Site Supervisor: Eugene Kramer, Seattle Subway Foundation
- Faculty Advisor: Leah Rubinsky, Environmental Communication, University of Washington

The Rule of Law: Equitable Environmental Policy in the United States

- Breakout Room 8
- Anneliese Hasenbalg, @itsonalease, Program on the Environment, University of Washington
- Site Supervisor: Lisa Hiruki-Raring, National Oceanic and Atmospheric Administration, Alaska Fisheries Science Center
- Faculty Advisor: Gary Handwerk, Program on the Environment, University of Washington

Environmental Moral Dilemmas: Understanding and Living with Moral Uncertainty About Climate Change and Beyond

- Breakout Room 9
- Ben Hauge, @_benhauge, Program on the Environment, Department of Philosophy, University of Washington
- Site Supervisor: Stephan Classen, Cascadia College; Kristen Attebery, University of Washington – Bothell
- Faculty Advisor: Stephen Gardiner, Department of Philosophy, University of Washington

Supporting Environmental Justice Through Screening and Mapping Tools

- Breakout Room 10
- Kailuhia Lam, @kailuhiapoe, Program on the Environment, University of Washington
- Site Supervisor: Laurel Jennings and Larissa Lee, NOAA Restoration Center
- Faculty Advisor: Karen Baebler, University of Washington Athletics

Expanding Solar Power: How Identifying Barriers Can Foster New Growth for Green Energy in King County

- Breakout Room 11

- Taylor Magee, @taylor3magee, Program on the Environment, Political Science, University of Washington
- Site Supervisor: David Broustis, King County Government, Department of Parks and Natural Resources
- Faculty Advisor: Jan Whittington, Urban Design and Planning, University of Washington

Linking Seattle's Youth: The Quest to Increase Youth Light Rail Ridership

- Breakout Room 12
- Ava Merkley, @AvaMerkley, Program on the Environment, University of Washington
- Site Supervisor: Eugene Kramer, Seattle Subway C3 Board Vice President, Seattle Subway Foundation
- Faculty Advisor: Tim Billo, Program on the Environment, University of Washington

How to Crush Climate Change Communication

- Breakout Room 13
- Paige Millham, @Pmillham09, Program on the Environment, Department of Psychology, University of Washington
- Site Supervisor: Jared Schneider, EM Program Manager - Mitigation, King County
- Faculty Advisor: Ann Bostrom, Evans School of Policy & Governance, University of Washington

What Does It Take for a Workforce Development Program to Be Successful?

- Breakout Room 14
- Mackenzie Rippel, @mackenzierippel, Program on the Environment, University of Washington
- Site Supervisor: John Kennedy, 2050 Project
- Faculty Advisor: Benjamin Brunjes, Evans School of Public Policy & Governance, University of Washington

Tackling Multifaceted Environmental Justice Issues: The Importance of Community Engagement and How to Create It

- Breakout Room 15
- Isla Scott, @islascott21, Program on the Environment, University of Washington
- Site Supervisor: Noemie Maxwell, Defenders of North SeaTac Park
- Faculty Advisor: Karen Litfin, Political Science, University of Washington

Four Outreach Components to Garner Participation in Environmental Stewardship Programs

- Breakout Room 16
- Madelyn Ulvin, @MadelynUlvin, Program on the Environment, University of Washington
- Site Supervisor: Paige Morris, City of Burien
- Faculty Advisor: Gary Handwerk, Program on the Environment, University of Washington

DAY 2: ORAL PRESENTATION SYMPOSIUM & CELEBRATION (December 7)

5:00 – 5:10 pm **Welcome and Housekeeping**

5:10 – 5:40 pm Poster Highlights & Refreshments

5:40 - 5:50 pm Break

5:50 – 5:55 pm Session Introduction

5:55 PM Salmon, Culverts, and Court: What Happened and What to Expect

- Kelsey Price, @KelseyLanePrice, Program on the Environment, University of Washington
- Advisors: Todd Wildermuth, University of Washington School of Law; Lawrence Watters, University of Washington
- Host Organization: Coast Salmon Partnership

6:05 PM Sustainable Communication: Initial Engagement Methods and Maintenance of Hope

- Mason Wrenn, @masonnwrenn, Program on the Environment, Spanish, University of Washington
- Site Supervisor: Alicia Keefe, National Oceanic and Atmospheric Administration, West Coast Region
- Faculty Advisor: Taiko Aoki-Marcial, Assistant Director of Expository Writing Program and Predoctoral Instructor, University of Washington Department of English

6:15 PM Gleaning in Public Consciousness: How Gleaning Has Changed and It's Potential to Advance Food Justice

- Ozi Goldstein, @goldsteinozi, Program on the Environment, Philosophy, University of Washington
- Site Supervisor: Jordyn Egbert, City Fruit
- Faculty Advisor: Ian Schnee, Department of Philosophy, University of Washington

6:25 PM Forest Health: Compounding Disturbances & the Advancements of Management Technology

- Pedro Fernandez, @itspedro3695, Program on the Environment, University of Washington
- Site Supervisor: Lauren Kuehne, Omnifishient Consulting
- Faculty Advisor: Tim Billo, Program on the Environment, University of Washington

6:35 PM Early Fish Gets the Worm: Examining Differences in Spawning Timing between Male and Female Hatchery and Wild Chum Salmon

- Matthew Dollinger, @Mattdollinger70, Program on the Environment, Political Science, University of Washington
- Site Supervisor: Alex McCarrel, Sitka Sound Science Center
- Faculty Advisor: Thomas Quinn, Aquatic and Fisheries Sciences, University of Washington

6:45 PM Pitching the Switch to Reuse: How to Overcome the Barriers to Corporate Sustainability

- Danica Yeh, @YehDanica, Program on the Environment, University of Washington
- Site Supervisor: Christy Chow, Cascadia Consulting Group
- Faculty Advisor: Lauren Brohawn, Buerk Center for Entrepreneurship, University of Washington

7:00 - 7:30 pm

Symposium End & Celebration Continues in Lobby

WE THANK YOU

To all faculty advisors, site supervisors, Program on the Environment staff and to the audience for your support. We could not have done any of this without you!