Spring 2021
CAPSTONE SYMPOSIUM

Wednesday, May 26, 2021
Online, 4:30 – 7:30 pm

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 non-profits 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.

Scan QR code to view capstone abstracts
4:30 – 4:40 pm  WELCOME & SESSION OVERVIEW

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

4:50 - 5:50 pm  Poster Session A - Education & Outreach; Business & Sustainability

HOW FRIENDS OF DISCOVERY PARK CAN INCREASE ENVIRONMENTAL AWARENESS AND ENHANCE VISITOR EXPERIENCE
Session: A, Breakout Room #1
Annemarie Ayton*, @annieayton, Program on the Environment, University of Washington
Site Supervisor: Garrett Esperum, Friends of Discovery Park
Faculty Advisor: Himanshu Grover, Department of Urban Planning, University of Washington

ENVIRONMENTAL VOLUNTEERING: BEING GREEN SHOULDN’T MEAN BEING WHITE
Session: A, Breakout Room #2
Ashleigh Bell*, @ashleighcbell, Program on the Environment, University of Washington
Site Supervisor: Lisa McGinty, Friends of Lincoln Park
Faculty Advisor: Joel Kaufman, Department of Environmental and Occupational Health Sciences, University of Washington

COMMUNITY OUTREACH IN URBAN PARK RESTORATION PLANNING
Session: A, Breakout Room #3
Brianna Bjolstad*, @Bbjolstad, Program on the Environment, University of Washington
Site Supervisor: Garrett Esperum, Friends of Discovery Park
Faculty Advisor: Ken Yocom, Department of Landscape Architecture, University of Washington

INCREASING REPRESENTATION OF BIPOC IN SUSTAINABLE SHOPPING
Session: A, Breakout Room #4
Vanessa Chung*, @vanessa_school, Program on the Environment, University of Washington
Site Supervisor: Jacob Huskey, Enweave
Faculty Advisor: Kristi Straus, Program on the Environment, University of Washington

DIG IN: RETHINKING HANDS-ON EDUCATION
Session: A, Breakout Room #5
Sophie Faller*, @sophia_faller, Program on the Environment, University of Washington
Site Supervisor: Hallie Sykes, Oxbow Farm and Conservation Center
Faculty Advisor: Jessica Thompson, College of Education, University of Washington

LISTEN UP! USE OF PODCASTS IN ENVIRONMENTAL EDUCATION
Session: A, Breakout Room #6
Noah Gauntz*, @Ngauntz, Program on the Environment, University of Washington
Site Supervisor: Alexa Russo, University of Washington Bothell
Faculty Advisor: Alexa Schreier, Program on the Environment, University of Washington
EMPOWERING A DIVERSE AND INCLUSIVE CULTURE BETWEEN THE UW AND NOAA: CREATING THE UW DEI CATALOGUE
Session: A, Breakout Room #7
Daniela Ivana Gonzalez*, @daniigon_, Program on the Environment, University of Washington
Site Supervisor: Dan Tonnes and Steve Copps, NOAA Fisheries, West Coast Region
Faculty Advisor: Tim Billo, Program on the Environment, University of Washington

SKIP THE GYM, SAVE THE PLANET & BUY YOUR DREAM HOME: WHY OUR COMMUTES MATTER
Session: A, Breakout Room #8
Jonmichael Halvorson*, @gkagemi, Program on the Environment, University of Washington
Site Supervisor: John Kennedy, 2100 Project
Faculty Advisor: Dafeng Xu, Evans School of Public Policy & Governance, University of Washington

HOW GREEN MARKETING CAN HELP CLOSE THE VALUE-ACTION GAP TO PROMOTE SUSTAINABLE CONSUMPTION
Session: A, Breakout Room #9
Souichiro Himuro*, @HimuroSouichiro, Program on the Environment, University of Washington
Site Supervisor: Jacob Huskey, Enweave
Faculty Advisor: Kristitina Vogt, School of Environmental & Forest Sciences, College of the Environment, University of Washington

HOW CAN WE FOCUS ON LOVING FOOD WHILE STOPPING WASTE AT HOME?
Session: A, Breakout Room #10
Ei Hla*, @lahlaei, Program on the Environment, University of Washington
Site Supervisor: Eberley Barragán, City of Redmond
Faculty Advisor: Stanley Asah, School of Environmental & Forest Sciences, College of the Environment, University of Washington

HOT TAKE: THE BEST WAYS TO PROMOTE RESILIENCE IN THE FACE OF WILDFIRES
Session: A, Breakout Room #11
Gabby Lacson*, @gabby_lacson98, Program on the Environment, University of Washington
Site Supervisor: Lara Whitely Binder, King County Climate Action Team, Jared Schneider, King County Office of Emergency Management
Faculty Advisor: Brooke Sullivan, Department of Landscape Architecture, University of Washington

CLIMATE ISSUES AND THE PEOPLE: EXPLORING AND ANALYZING EFFECTIVE METHODS FOR ENVIRONMENTAL COMMUNICATION
Session: A, Breakout Room #12
Alex Lam*, @syncedagl, Program on the Environment, University of Washington
Site Supervisor: Elise Lasky, Global Shapers Seattle Hub
Faculty Advisor: Alexa Schreier, Program on the Environment, University of Washington

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BRANCHING OUT: HOW NON-PROFITS EFFECTIVELY USE COMMUNICATION METHODS TO GARNER SUPPORT
Session: A, Breakout Room #13
Katie Lam*, @klam6_uw, Program on the Environment, University of Washington
Site Supervisor: Annie Nguyen, City Fruit
Faculty Advisor: Eli Wheat, Program on the Environment, University of Washington

ORGANIZED ORGANICS: ANALYZING METHODS OF OUTREACH IN WASTE DISPOSAL
Session: A, Breakout Room #14
Anne-Marie Le*, @am_le17, Program on the Environment, University of Washington
Site Supervisor: Maggie Brown, Cedar Grove
Faculty Advisor: Sally Brown, School of Environmental and Forest Sciences, University of Washington

UNDRESSING FAST FASHION THROUGH CLOTHING REPAIR
Session: A, Breakout Room #15
Amy Lin*, @AmyLinPoE, Program on the Environment, University of Washington
Site Supervisor: Veronica Fincher, Seattle Public Utilities
Faculty Advisor: Catherine De Almeida, Department of Landscape Architecture, University of Washington

USING SOCIAL MEDIA FOR BEHAVIOR CHANGE
Session: A, Breakout Room #16
Cara Payne*, @cara_payne15, Program on the Environment, University of Washington
Site Supervisor: Lynn Knapp, Cascadia Consulting Group
Faculty Advisor: Alexa Schreier, Program on the Environment, University of Washington

ACCESSIBILITY TO ENVIRONMENTALISM FOR BIPOC YOUTH IN SEATTLE
Session: A, Breakout Room #17
Max Rodrigo*, @MaxR492, Program on the Environment, University of Washington
Site Supervisor: Lisa McGinty, Friends of Lincoln Park
Faculty Advisor: Yen-Chu Weng, Program on the Environment, University of Washington

VIRTUAL LEARNING: ENHANCING FOOD LITERACY THROUGH VIRTUAL COOKING
Session: A, Breakout Room #18
Abigail Serna*, @AbigailSerna12, Program on the Environment, University of Washington
Site Supervisor: Hallie Sykes, Oxbow Farm and Conservation Center
Faculty Advisor: Alexa Schreier, Program on the Environment, University of Washington
HOW PESTICIDE RISK COMMUNICATION CAN EMPOWER INDIGENOUS COMMUNITIES
Session: A, Breakout Room #19
Emily Siangkam*, @esiang23, Program on the Environment, Geography: Data Science, University of Washington
Site Supervisor: Bethany Plewe, United States Environmental Protection Agency, Region 10
Faculty Advisor: John Scott Meschke, Environmental and Occupational Health Sciences, University of Washington

SUSTAINABILITY FOCUSED PODCASTS: MAXIMIZING REACH AND IMPACT
Session: A, Breakout Room #20
Emily Talbot*, @emilyltalbot, Program on the Environment, University of Washington
Site Supervisor: Alexa Russo, UW Bothell Sustainability Office
Faculty Advisor: Alexa Schreier, Program on the Environment, University of Washington

HOW CAN WE EDUCATE COLLEGE STUDENTS TO RECYCLE MORE AND RECYCLE SMARTER?
Session: A, Breakout Room #21
Harry Wheldon*, @harry_wheldon, Program on the Environment, Department of German Studies, University of Washington
Site Supervisor: Liz Gignilliat, University of Washington Recycling
Faculty Advisor: Alexa Gignilliat, Program on the Environment, University of Washington

MISSING PERSPECTIVES: THE INACCESSIBILITY OF ENVIRONMENTAL COMMUNITY SCIENCE
Session: A, Breakout Room #22
Isabel Wilson*, @isabel_wilson_, Program on the Environment, Environmental Science and Terrestrial Resource Management, University of Washington
Site Supervisor: Melissa Fleming, Stillwaters Environmental Center
Faculty Advisor: Stanley Asah, School of Environmental and Forest Sciences, University of Washington

INCREASING COMPLIANCE RATES FOR UST SAFETY ON TRIBAL LANDS
Session: A, Breakout Room #23
Dustin Woodbury*, @dustin_j_w, Program on the Environment, University of Washington
Site Supervisor: Lisa McArthur, United States Environmental Protection Agency, Region 10
Faculty Advisor: Lubna Alzaroo, Department of English, University of Washington

CORPORATE SOCIAL RESPONSIBILITY: COMMUNICATING SUSTAINABILITY
Session: A, Breakout Room #24
Sarah Zwaagstra*, @SZwaagstra, Program on the Environment, University of Washington
Site Supervisor: Amy White, Nordstrom, Inc
Faculty Advisor: Alexa Schreier, Program on the Environment, University of Washington
5:50 – 6:00 pm  BREAK

6:00 – 6:05 pm  Session Overview
6:05 – 6:15 pm  Session B Speaker Intros
6:15 – 7:15 pm  Poster Session B – Agriculture & Food Systems; Natural Science & Restoration; Policy & Regulation

SEEKING JUSTICE: ESTABLISHING THE EPA’S FRAMEWORK TO ADDRESS ENVIRONMENTAL CHALLENGES OF INDIGENOUS COMMUNITIES
Session: B, Breakout Room #1
Batoul Al-Sadi*, @BatoulSadi, Program on the Environment, Department of Political Science, University of Washington
Site Supervisor: Sarah Frederick and Michelle Mullin, United States Environmental Protection Agency, Region 10
Faculty Advisor: Meade Krosby, Climate Impacts Group and Northwest Climate Adaptation Science Center, University of Washington

SPAWNING SALMON POPULATION ANALYSIS FOR WALKER AND MILLER CREEKS IN THE WALKER PRESERVE
Session: B, Breakout Room #2
Alexander Ankuta*, @ankuta_alex, Program on the Environment, Urban Planning Minor, University of Washington
Site Supervisor: Matt Goehring, Green/Duwamish & Central Puget Sound Watershed (WRIA), King County
Faculty Advisor: P. Sean McDonald, Program on the Environment, University of Washington, and Gordon Holtgrieve, School of Aquatics and Fishery Sciences, University of Washington

EXAMINING THE IMPACT OF ENDANGERED BLACK ABALONE ON CALIFORNIA STAKEHOLDERS TO INFORM FUTURE CONSERVATION EFFORTS
Session: B, Breakout Room #3
Beth Behnken*, @BehnkenBeth, Program on the Environment, University of Washington
Site Supervisor: Susan Wang, NOAA Fisheries, West Coast Region, Long Beach CA
Faculty Advisor: Kristina Straus, Program on the Environment, University of Washington

HOW FOOD INSECURITY DURING COVID-19 WAS MINIMIZED BY RESOURCES FROM AN URBAN HOUSING ORGANIZATION
Session: B, Breakout Room #4
Sam Bergstrom*, @SamBergstrom4, Program on the Environment, University of Washington
Site Supervisor: Kristin Klasnic, Solid Ground
Faculty Advisor: Charlotte Coté, American Indian Studies, University of Washington
LEARNING FROM THE FOREST CHORUS: INDICATOR SONGBIRDS ON THE OLYMPIC PENINSULA
Session: B, Breakout Room #5
Levi Casto*, @CastoLevi, Program on the Environment, University of Washington
Site Supervisor: Teodora Minkova, Washington State Department of Natural Resources, and Lauren Kuehne, Omfishient Consulting
Faculty Advisor: Tim Billo, Program on the Environment, University of Washington

EXPLORING THE USE OF LOCAL ECOLOGICAL KNOWLEDGE IN FISHERIES MANAGEMENT
Session: B, Breakout Room #6
Madelyn Chandler*, @MadelynChandler17, Program on the Environment, University of Washington
Site Supervisor: Marysia Szymkowiak, NOAA Fisheries, Alaska Fisheries Science Center
Faculty Advisor: Yen-Chu Weng, Program on the Environment, University of Washington

CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT IN WA: WHAT WE KNOW AND WHAT WE CAN DO
Session: B, Breakout Room #7
Sarah Chen*, @SarahChenEnv, Program on the Environment, Department of Biology - Ecology, Evolution & Conservation, University of Washington
Site Supervisor: Lindsey Engh, Engh Group
Faculty Advisor: Kristi Straus, Program on the Environment, University of Washington

CHANGES IN THE PURPLE ORANGE SEA STAR’S SPATIAL DISTRIBUTION AND ABUNDANCE IN THE BERING SEA
Session: B, Breakout Room #8
Madeline Corbett*, @MaddieCorbett14, Program on the Environment, University of Washington
Site Supervisor: Caitlin Askelrud and Emily Markowitz, NOAA Fisheries, Alaska Fisheries Science Center
Faculty Advisor: Tim Essington, School of Aquatic and Fisheries Sciences, University of Washington

GROWING A HEALTHIER COMMUNITY THROUGH GLEANING
Session: B, Breakout Room #9
Madison Harasek*, @HarasekMadi, Program on the Environment, University of Washington
Site Supervisor: Annie Nguyen, City Fruit
Faculty Advisor: Eli Wheat, Program on the Environment, University of Washington

RISK ANALYSIS OF A MARKET WIDE SCALE TRANSITION TO ELECTRIC VEHICLES
Session: B, Breakout Room #10
Christine Hoang*, @christineh0ang, Program on the Environment, University of Washington
Site Supervisor: Carrie Lee, King County Metro Transit
Faculty Advisor: Jun Liu, Department of Engineering, University of Washington
MAPPING SEAGRASS: A VISUAL APPROACH TO CONSERVATION RESEARCH  
Session: B, Breakout Room #11  
Alex Izquierdo*, @Ari3Izquierdo, Program on the Environment, University of Washington  
Site Supervisor: Brooke Sullivan, International Union for Conservation of Nature Seagrass Specialist Group  
Faculty Advisor: Jennifer Ruesink, Department of Biology, University of Washington

THE SOUND OF SCIENCE: WHAT CAN SONGBIRDS TELL US ABOUT FOREST ECOSYSTEM FUNCTION ON THE OLYMPIC PENINSULA?  
Session: B, Breakout Room #12  
Therese Kaitis*, @KaitisTherese, Program on the Environment, University of Washington  
Site Supervisor: Teodora Minkova, Washington State Department of Natural Resources, and Lauren Kuehne, Omfishient Consulting  
Faculty Advisor: Tim Billo, Program on the Environment, University of Washington

PUTTING THE “TRUST” IN TRUST RESPONSIBILITY: SOVEREIGNTY AND CLIMATE ADAPTATION FOR FEDERALLY RECOGNIZED TRIBES, NATIONS, AND CONFEDERACIES  
Session: B, Breakout Room #13  
Angie Lai*, @angielai21, Program on the Environment, University of Washington  
Site Supervisor: Sarah Frederick, Michelle Mullin, and Viccy Salazar, United States Environmental Protection Agency, Region 10  
Faculty Advisor: Iisaaksiichaa Ross Braine, Office of Minority Affairs and Diversity, University of Washington

THREE BEST PRACTICES FOR ENVIRONMENTAL LAW AND POLICY FROM THE 1972 MARINE MAMMAL PROTECTION ACT  
Session: B, Breakout Room #14  
Elizabeth Lee*, N/A, Program on the Environment, University of Washington  
Site Supervisor: Shelby Mendez (Listed) and Galeeb Kachra, National Marine Fisheries Service, West Coast Region  
Faculty Advisor: Yoshitaka Ota, School of Marine and Environmental Affairs, University of Washington

APPLICATION OF ‘KELPOST’ TO PASTURE AND SIGNIFICANCE FOR SOIL CARBON SEQUESTRATION  
Session: B, Breakout Room #15  
Nathan Mock*, @NathanMock6, Program on the Environment, University of Washington  
Site Supervisor: Meg Chadsey, Washington Sea Grant  
Faculty Advisor: Eli Wheat, Program on the Environment, University of Washington

BUILDING A MORE REGENERATIVE FUTURE ONE FARM AT A TIME  
Session: B, Breakout Room #16  
Ryan Mohandeson*, @RMNorthwest, Program on the Environment, University of Washington  
Site Supervisor: Judy Feldman, The Organic Farm School  
Faculty Advisor: Eli Wheat, Program on the Environment, University of Washington
BUILDING COMMUNICATION FRAMEWORKS: HOW COMMUNICATION ADAPTABILITY ENGAGES OUR COMMUNITIES
Session: B, Breakout Room #17
Lianna Rzajeva*, @LRzajeva, Program on the Environment, University of Washington
Site Supervisor: Michelle Mullin, United States Environmental Protection Agency, Region 10
Faculty Advisor: Todd Wildermuth, School of Law, University of Washington

THE ROLE OF TOP PREDATORS IN SEAGRASS CONSERVATION
Session: B, Breakout Room #18
Carson Torres*, @CarsonTorres98, Program on the Environment, University of Washington
Site Supervisor: Brooke Sullivan, International Union for Conservation of Nature Seagrass Specialist Group
Faculty Advisor: Jennifer Ruesink, Department of Biology, University of Washington

INSIDE EPA: GETTING TO EFFECTIVE SCIENCE COMMUNICATION FROM THE INSIDE OUT
Session: B, Breakout Room #19
Jenna Truong*, @jennatruong24, Program on the Environment, University of Washington
Site Supervisor: Bethany Plewe, United States Environmental Protection Agency, Region 10
Faculty Advisor: Tania Busch Isaksen, Department of Environmental and Occupational Health Sciences, University of Washington

GOVERNMENT INEFFICIENCIES AND LIMITATIONS: AN APPLICATION OF ENVIRONMENTAL POLICY
Session: B, Breakout Room #20
Ryan Yasuda*, @ryanyasudauw, Program on the Environment, Department of Biology - Molecular, Cellular & Developmental, University of Washington
Site Supervisor: Shelby Mendez (listed) and Galeeb Kachra, NOAA, West Coast Region
Faculty Advisor: Ryan Kelly, School of Marine & Environmental Affairs, University of Washington

7:15 – 7:30 pm Closing

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!