

VICE PROVOST AWARDS FOR EXCELLENCE

Celebrating Community Outreach and Engagement

MAY 2, 2019 | 3:30 - 6:30 P.M.
MEMORIAL UNION BALLROOM



Oregon State
University



AGENDA

3:30 to 5:00 P.M. AWARDS CEREMONY

WELCOME | SCOTT REED & LINDSEY SHIRLEY

FAILING FORWARD INAUGURAL AWARD | SCOTT REED & IVAN ARISMENDI

Lessons Learned: Vanguarding an Inclusive Ecological Workforce, Dana Sanchez, Selina Heppell, Ivan Arismendi and members of the Department of Fisheries and Wildlife Diversity and Inclusion Committee

THE POWER OF COMMUNITY ENGAGEMENT ACROSS THE LEARNING, DISCOVERY, AND OUTREACH MISSIONS | ED FESER

THE FACULTY SENATE'S OUTREACH AND ENGAGEMENT AWARD

Video featuring the 2018 recipient Ramesh Sagili, Associate Professor of Apiculture, College of Agricultural Sciences

AWARD PRESENTATIONS | OUTREACH & ENGAGEMENT EXECUTIVE TEAM

Feed the Future Aqua Lab
DEI as a Tool to Engage High School Students with Local Watershed Councils
The CO• | Corvallis Maker Fair
Bridges Collaborative Care Clinic
Improving Health Across Oregon through Blue Zones Partnership
Puerto Rico Engaged Service Learning Course
SMILE Program: A University-School Partnership to STEM Outreach
Citizen Fire Academy
Oregon Forest Pest Detector
Improving Ocean Condition Forecasting

POCKETS OF EXCELLENCE AND OPPORTUNITIES TO ADVANCE INSTITUTIONAL COMMUNITY ENGAGEMENT | SUSAN ROWE & RAVEN WALDRON

CLOSING COMMENTS | LINDSEY SHIRLEY

5:00 to 6:30 P.M. RECEPTION

BIOGRAPHIES



ED FESER

Provost and Executive Vice President, Professor of Public Policy in the College of Liberal Arts

Edward Feser is the chief academic and operating officer of Oregon State University, overseeing progress on the University's strategic goals in student success, faculty excellence, outreach and engagement, internationalization and institutional reputation. Provost Feser has expertise in regional economic development, innovation and technology policy. He holds Ph.D. and master's degrees from the University of North Carolina at Chapel Hill and a bachelor's degree from the University of San Francisco. Prior to joining OSU, he held faculty and leadership roles at the University of Illinois at Urbana-Champaign, the University of Manchester in the United Kingdom, and the University of North Carolina at Chapel Hill. He has also served in government, as Assistant Secretary for Policy, Research and Strategic Planning in the North Carolina Department of Commerce.



SCOTT REED

Vice Provost for University Outreach and Engagement, Director for OSU Extension Service

Scott Reed has served at Oregon State since 1990, including in various College of Forestry roles, including professor, executive associate dean, and Extension program leader. He holds a Ph.D. in policy and economics from University of Minnesota and bachelor and master of science degrees in forestry from Michigan State University. Scott is active with the Association of Public and Land-grant Universities and frequently contributes to development of national policy advancing the outreach capacities of land grant universities. He is former president of the Association of Natural Resource Extension Professionals, and serves on the boards of Rural Development initiatives, Inc., the Engagement Scholarship Consortium, American Distance Education Consortium, and the Oregon Watershed Enhancement Board. He was the 2017 recipient of the Ruby Award, the most prestigious recognition presented by Epsilon Sigma Phi, in recognition of his outstanding thinking, performance, and leadership in Extension.



LINDSEY SHIRLEY

Associate Vice Provost for University Outreach and Engagement, Associate Director for OSU Extension Service

Lindsey Shirley has served at Oregon State University since June 2016. She holds a Ph.D. in family and consumer sciences education from Iowa State University, a M.Ed. in family education from the University of Minnesota, and a B.S. in family and consumer sciences from Iowa State University. During her career, she has garnered numerous honors, published two books and a variety of other research-based publications, secured external funding, and held multiple leadership positions at the university, state, and national levels. She has used her drive and motivation to develop new academic and Extension programs while maintaining historical offerings at land grant institutions in the West.



SUSAN ROWE

Project Manager for the Oregon State University Carnegie Elective Community Engagement Reclassification

Susan Rowe helped collect, analyze, and document aspects of OSU’s institutional mission, identity and commitments to engaged scholarship, teaching, and outreach. She started her career as a K12 science teacher in her home country of Brazil, where she obtained degrees in both biology and education. She shifted careers from the natural sciences to human dimensions and environmental education research, completing a master’s degree at Iowa State University with a focus on environmental literacy, and a doctoral degree in environmental sciences with a focus on environmental education at Oregon State University (Fall 2018).



RAVEN WALDRON

Student Program Assistant on the OSU Carnegie Community Engagement Reclassification Committee

Raven Waldron, a first year pharmacy student, has a passion for reaching underserved communities. She strives to increase cultural competence in the pharmacy profession and serves as a trusted healthcare professional in Native communities, incorporating a knowledge of – and respect for – traditional medicine in addition to Western therapeutics. This is her sixth year at OSU, during which time she has participated in many of the transformative learning experiences OSU offers outside the classroom working as a Community Relations Facilitator through UHDS, and a Leadership Liaison with Diversity and Cultural Engagement.

UNIVERSITY OUTREACH & ENGAGEMENT EXECUTIVE TEAM

SCOTT REED | Vice Provost for University Outreach and Engagement, Director for OSU Extension Service

LINDSEY SHIRLEY | Associate Vice Provost for University Outreach and Engagement, Associate Director for OSU Extension Service

JENNIFER ALEXANDER | Director, Extension and Experiment Station Communications

KRISTOPHER ELLIOTT | Assistant Director, OSU Extension Service Outdoor School

ANA LU FONSECA | Assistant Director, OSU Extension Service Diversity, Equity and Inclusion

JEFF SHERMAN | Assistant Director, OSU Extension Service, Strategic Innovation and OSU Open Campus Program Leader

TIFFANY GILLIS | Fiscal Officer, University Outreach and Engagment

JIM JOHNSON | Program Leader, Forestry and Natural Resources

WILEY THOMPSON | Regional Director, Coastal Region

2019 TOP 10 PROJECTS

- Page 5 **Feed the Future Innovation Lab on Collaborative Research in Aquaculture and Fisheries**
- Page 9 **Diversity, Equity and Inclusion as a Tool to Engage High School Students with Local Watershed Councils**
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- Page 12 **Bridges Collaborative Care Clinic**
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FEED THE FUTURE INNOVATION LAB ON COLLABORATIVE RESEARCH IN AQUACULTURE AND FISHERIES



PROJECT LEADER

HILLARY EGNA | Unit Leader, Associate Professor and Director of AquaFish Innovation Lab (AFIL), College of Agricultural Sciences

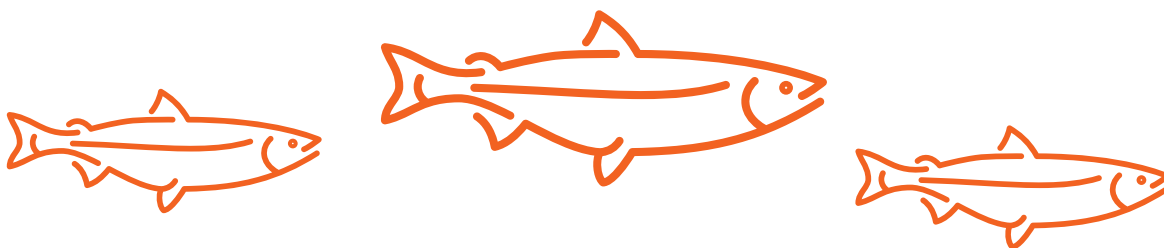
PROJECT DESCRIPTION

AquaFish Innovation Lab (AFIL), ended December, 2018, focused on helping the world's poor by improving aquatic food systems for nutritional and income benefits. Access to nutrient dense foods is uneven globally, disproportionately hurting the poor. By melding local and expert knowledge systems, AFIL addressed competing needs of farmers, underserved populations, government, universities, NGOs, and private companies.

AFIL's innovative program vision embraced collaborative research involving multiple stakeholder events, needs assessments, co-designed monitoring and evaluation metrics, competitively reviewed research subprojects, and a code of conduct for respectful partnerships. The code – outlining transparent, joint decision-making on budgets and research – eliminated power differences beleaguering development projects. Cross-cutting themes included gender integration (women are “nutritional gatekeepers”), climate change, and a systems approach using synthesis and meta-analysis.

AFIL achieved maximum program impacts through a combination of world-class research, capacity building, and outreach. Over 600 participants from 21 countries and more than 250 institutions were engaged. 11,000 trainees participated in on-farm trainings, train-the-trainer events, and experiential workshops ranging from enterprise planning to catfish breeding. Through 348 short-term trainings, AFIL's outreach delivery adapted to feedback and changing community needs.

In Nepal, AFIL facilitated innovative farmer-to-farmer exchanges by including teachers and students in carp-farming at secondary schools, then collaborated with women's fishfarmer cooperatives to reinforce learning from school to home. In Kenya, AFIL co-designed scalable aquaponics systems for urban/water deficient scenarios; more than 200 community stakeholders viewed our system and sought more information. In Bangladesh, participatory research engaged 120 farmers in transformative experiences where they learned to test their own ideas and manage fish ponds with vegetable farming. AFIL's many technologies are captured in peer-review publications (325 articles) and over 1,000 outreach materials (paper, podcasts, video, radio, mobile apps, calendars, website, kangas, town halls). Collaboration among the AFIL network members resulted in innovative new curricula, degree programs, infrastructure, and strengthened partner universities in Mexico, Bangladesh, Nepal, and Ghana. OSU became known for foundational work in aquaculture development.



FACULTY AND STAFF INVOLVED

project ended Dec 28, 2018

Lindsay Carroll, Marine Education Coordinator, Oregon Sea Grant Extension

Flaxen Conway, Professor and Director, Marine Resource Management Program, College of Earth, Oceans, and Atmospheric Sciences, Oregon Sea Grant

Ford Evans, Research Associate, College of Engineering/Chemical, Biological, and Environmental Engineering

Kat Goetting, Executive Director International Institute of Fisheries Economics & Trade and North American Association of Fisheries Economists, College of Agricultural Sciences/Applied Economics

Jenna Borberg, formerly Assistant Director – Research, AFIL

Briana Goodwin, Oregon Field Manager, Surfrider Foundation

Claire Schrodt, formerly Financial Analyst, AFIL

Cole Ensminger, formerly Website Developer & IT, AFIL

Amanda Hyman, formerly Outreach Coordinator AFIL

Gil Sylvia, Director of the Coastal Oregon Marine Experiment Station and Professor, College of Agricultural Sciences/Applied Economics

John Selker, Distinguished Professor, College of Agricultural Sciences and College of Engineering/Biological and Ecological Engineering

Ganti Murthy, Professor, College of Agricultural Sciences and College of Engineering/Biological and Ecological Engineering

Ruth Milston, Facility Manager, Aquatic Animal Health Laboratory, College of Agricultural Sciences and College of Science/Microbiology

Susie Bodman, Faculty Research Assistant, College of Agricultural Sciences/Enviro Molecular Toxicology

David Baker, Director of Oregon Productions, University Relations and Marketing

STUDENT INVOLVEMENT

Total project students worldwide: 633

In FY18, 151 students were supported at 19 institutions in nine countries.

IN PROGRESS

Angel Hammon, BS, College of Agricultural Sciences

Larissa Larocca de Souza, MS, Horticulture, College of Agricultural Sciences

Stephanie Ichien, PhD, Environmental Sciences (and MS MRM 2013)

Katie (Hogan) Nye, BS ~2015 and DVM, VetMed Graduated

Jacob Tabor, BS, BEE, College of Engineering and College of Agricultural Sciences

Dillon George, BS, BEE, College of Engineering and College of Agricultural Sciences

Jon Yoshio Burkard, BS, BEE, College of Engineering and College of Agricultural Sciences

Dylan Ferrell, BS, BEE, College of Engineering and College of Agricultural Sciences

Max Wilson Fey, BS, BEE, College of Engineering and College of Agricultural Sciences

Bhakti Chavan, MS, College of Public Health and Human Sciences

Lacey Doby, BS, BioHealth, College of Science

Haley Demmin, BS, Mechanical Engineering, College of Engineering

Margaret McCormick, BS, Fisheries & Wildlife, College of Agricultural Sciences

Aleah Dew, BS, Fisheries & Wildlife, College of Agricultural Sciences

Morgan Chow, MS, Marine Resource Management, College of Earth, Oceans, and Atmospheric Sciences

Jenny Hawkins, BS, College of Science

OTHER PARTIALLY SUPPORTED OSU STUDENTS

Sally Albright; Matt Berger; Kayle Nicholas; Caitlin Ditullio; Priya Prakesh; David Browning; Ciara Lynn; Kaylee Madison; Stephanie Marchant; Kelsey Taylor; Qian Wu; Xiaojuann Zheng; Michelle Fournet; Erin Harrington.

COMMUNITY PARTNERS

Oregon Institute of Fisheries Economics and Trade
(international organization)
Oregon Aquaculture Association
K-12 schools (seminars)
Earth Day (on campus)
Peace Corps (on campus)

BANGLADESH

Bangladesh Agricultural University
Government of Bangladesh Department of Fisheries
Khulna University
Patuakhali Science and Technology University
Shushilan Women's Cooperative (NGO)

BRAZIL

Embrapa Meio Ambiente
Jaboticabal Universidad Federal do Amazonas
Sao Paulo State University

BURMA

Yangon University

CAMBODIA

Inland Fisheries Research and Development Institute
Institution for Research in Food and Development
Kampong Cham National School of Agriculture
Mekong River Commission
Prek Leap National School of Agriculture
Royal University of Agriculture
Royal University of Law and Economics

CHINA

Shanghai Ocean University
Sichuan Aquacultural Engineering Research Center
Tongwei Co. Ltd.
Wuhan University

GHANA

Farmerline (NGO)
Kwame Nkrumah University of Science & Technology
Fisheries Department, Ministry of Food & Agriculture
University for Development Studies
Water & Sewage Company

GUYANA

Anna Regina Fish Culture Station and Women's
Cooperative
Maharaja Oil Mill
Mon Repos Aquaculture Center, Department of
Fisheries

HONDURAS

Centro Nacional de Investigación Piscícola el Carao
Escuela Agrícola Panamerican
Zamorano University

INDONESIA

Indonesian Department of Fisheries
Ujung Batee Aquaculture Center

KENYA

FishAfrica
Kenyatta University
Egerton University
Karatina University
Kenya Business Development Services
Kenya Marine & Fisheries Research Institute
Kenya Ministry of Agriculture, Livestock, and Fisheries
Lake Victoria Fisheries Organization
(Kenya, Tanzania, Uganda)
Lake Victoria Environmental Management Project
(Kenya, Tanzania, Uganda, Rwanda, Burundi)
Moi University
Mwea Fish Farm
Sagana Aquaculture Center
University of Eldoret
Women in Fishing Industry Project

MALI

Direction Nationale de la Peche

MEXICO

Centro de Investigacion de Alimentacion y Desarrollo
(Research Center for Food & Development)
Cooperativa Pesquera San Ramon
Federation of Shrimp Cooperatives
Secretariat of Agricultural Development for the
State of Tabasco
Universidad Autónoma de Sinaloa
Universidad Autónoma de Tamaulipas
Universidad Juarez Autónoma de Tabasco
Women's Oyster Culture Cooperatives of Nayarit

NEPAL

Agriculture and Forestry University
Annapurna Higher Secondary School
Directorate of Fisheries Development
Institute of Agriculture and Animal Science
Janata Higher Secondary School
Kathar Higher Secondary School
Mishrit Cooperative
Nepal Agricultural Research Council
Nepal Fish Farmer's Association
Nepal Fisheries Society
Prithivi Secondary School
Rural Integrated Development Society
Shree Chandeshwory Secondary School
Sundardeep Women Fish Farmer's Cooperative

PHILIPPINES

Bureau of Fisheries and Aquatic Resources
Central Luzon State University Department of
Agriculture
Southeast Asian Fisheries Development Center

SOUTH AFRICA

Stellenbosch University
Tanzania
Institute of Marine Sciences, University of Dar es Salaam
Sokoine University of Agriculture
Western Indian Ocean Marine Science Association

THAILAND

Asian Institute of Technology
Network of Aquaculture Centers in Asia

UGANDA

Bidii Fish Farmers
Gulu University
Jinja United Group Initiative for Poverty Alleviation &
Economic Development
Makerere University
National Fisheries Resources Research Institute
Source of the Nile Fish Farm
Walimi Fish Cooperative Society Ltd.
AgroMarketDay LLC

UNITED STATES

Alabama A&M University
American Soybean Association
Aquaculture without Frontiers (NGO)
Ashbrook Independent School
Association for International Agriculture and Rural
Development (AIARD, NGO)

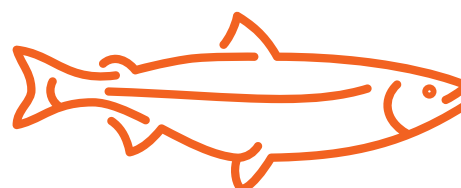
Auburn University
Cultural Practice LLC
U.S. Government Feed the Future Innovation Labs
Michigan State University
Montana State University
National Oceanic and Atmospheric Administration
North Carolina State University
Oregon Aquaculture Association (Pond School)
Oregon State University
Purdue University
Michigan State University
University of Arizona
University of Arkansas at Pine Bluff
University of Connecticut at Avery Point
University of Hawaii at Hilo
University of Michigan
University of Rhode Island
Virginia Polytechnic Institute and State University

VIETNAM

Can Tho University
Dong Nai Fisheries Company
Nong Lam University

OTHER GLOBAL PARTNERS

Asian Fisheries and Aquaculture Forum
Heifer International
International Water Management Institute of the
Consultative Group on International Agriculture
Development (CGIAR)
WorldFish, CGIAR
Food & Agriculture Organization of the United Nations
Gender in Aquaculture and Fisheries group
Asian Fisheries Society
International Symposium on Tilapia in Aquaculture
Aquaculture Network of East Africa (Eight East African
countries)
Africa Chapter of the World Aquaculture Society
Sustainable Aquaculture Research Networks in Sub
Saharan Africa
World Aquaculture Society



DIVERSITY, EQUITY AND INCLUSION AS A TOOL TO ENGAGE HIGH SCHOOL STUDENTS WITH LOCAL WATERSHED COUNCILS



PROJECT LEADER

GUILLERMO GIANNICO | Associate Professor, Oregon Sea Grant Extension

PROJECT DESCRIPTION

Eleven years of evaluation results from the 4-H International Summer Camps revealed that these camps are the first outdoor experience for the majority of participants. These students have limited awareness or knowledge about water, watersheds, environmental issues and the many ecosystem services that contribute to the economic and social welfare of the region. In addition, Oregon's population has changed dramatically in the last ten years with a 300% increase in Latinx and other minority populations. However, this fast change in demographics is not reflected in the ranks of watershed councils who will face the challenges of serving a "clienteles" with whom they are not familiar.

The Environmental Leadership for Youth (ELY) Program consists of four multi-day training workshops: Oregon Leadership Institute, Willamette River Residential Training Camp, 4-H International Summer Camp, and Capstone Project (or internships) with watershed councils. They all involve different learning experiences, but have in common very high experiential content and a specialty selection process for students to hone their skills on those areas in which they are more interested.

This project reaches out to youth from underserved communities by means of a two-prong approach. It is designed to: help youth develop their leadership skills; teach them about scientific disciplines and how they apply in the management of our natural resources; give them the opportunity to be role models to younger students of similar backgrounds and teach them about natural sciences and how a college education could change their lives for better; and allow them the experience of working with local NGOs (the councils) in the design of education and outreach activities and programs for underserved youth. A survey of ELY students showed an increased interest in attending university and an interest in careers related to natural resources and the environment.

The ELY program also helps the staff of watershed councils be better prepared to work with a more diverse clientele. The include these ELY trainees in their education program development and implementation and also consider having some of them as advisors on how to reach out to other underrepresented youth. It is key for watershed councils to engage a more diverse audience and not to focus their outreach efforts almost exclusively on landowners. As the composition of the population of the state changes and an even larger proportion of voters are urban dwellers, watershed councils increasingly will have to rely on the support of non-traditional audiences for the government support necessary for the watershed restoration work that they do.

FACULTY AND STAFF INVOLVED

Mario Magaña, Associate Professor, College of Public Health and Human Sciences, State 4-H Outreach

Ivan Arismendi, Assistant Professor, College of Agricultural Sciences/Fisheries and Wildlife

Ana Lu Fonseca, Assistant Director for Diversity, OSU Extension Service, Diversity, Equity and Inclusion

Bessie Joyce, Watershed Specialist

COMMUNITY PARTNERS

Marys River Watershed Council

Calapooia Watershed Council

Middle Fork Willamette Watershed Council

COMMUNITY PARTNERS

South Santiam Watershed Council

Long Tom Watershed Council

FUNDING ORGANIZATION

Meyer Memorial Trust

THE CO• / CORVALLIS MAKER FAIR



PROJECT LEADER

CHARLES ROBINSON | Director, College of Liberal Arts and Division of University Outreach and Engagement

PROJECT DESCRIPTION

The CO• is a campus-community partnership, which offers the OSU community and the general public opportunity to collaborate, innovate, create, and conduct research around concepts and practices of hands-on learning via a variety of programming (chief of which is the annual Corvallis Maker Fair). The CO•'s story is one in which a conversation among technologists and craftspeople evolved into an annual series of collaborative experiments in collective education.

A lack of crossover of campus and off-campus, of high tech and lo tech (or no tech) makers, as well as between generational groupings was identified. Armed with more information, The CO• broadened its leadership team (including co-equal community partners) and focused efforts on promoting innovation and hands-on learning, both within OSU and throughout Oregon, with an emphasis on interdisciplinarity, inclusion, and community engagement.

Held each spring, the Corvallis Maker Fair averages 40-45 exhibitor groups and over 1,000 attendees. In addition to the Fair, The CO• has offered related programming each year by working closely with key partners throughout OSU. These events both support the mission around hands-on learning, while incorporating the research and programmatic goals of our partners and their constituencies. For example, we have held a STEM-->STEAM Symposium (with the College of Liberal Arts), a Design Thinking workshop (with the College of Business), a campus leadership convocation on the role of making in higher education (with the Division of University Outreach & Engagement), a marine-themed K-12 Education Day (with the College of Education and Oregon Sea Grant), and an Amazing Diversity Race across campus and Corvallis (with the Office of Institutional Diversity and SACNAS). Further, we've also offered a maker-themed movie series, a number of guest lectures from researchers and key national figures in the maker movement, and represented OSU at the White House's National Maker Fair in 2015 and as a member of the national Make Schools alliance (2015-present) and the Nation of Makers (2017-present). The CO• is included in the City of Corvallis's Strategic Operational Plan for 2018-2023.

STUDENT INVOLVEMENT

OSU undergraduate students have participated as both exhibitors and volunteers throughout The CO•s history. As exhibitors, students have participated as part of specific course projects or as members of a lab or club. In that role, student participation has numbered in the hundreds. As volunteers, students also have assisted with the planning and day-of operations of our events. Approximately 75 students have volunteered in this capacity.

Three OSU graduate students have held leadership positions in The CO•: Cole Crawford (MA English, College of Liberal Arts, graduated), Eric Hinsch (PhD Wood Science, College of Forestry, graduated), and Susan Rowe (PhD, College of Education, graduated).

COMMUNITY PARTNERS

Our community partners can be classified into those participating as active co-creators of The CO• and the Corvallis Maker Fair, and those who participate as exhibitors.

FACULTY AND COMMUNITY MEMBERS INVOLVED

Current and former members in The CO's leadership team:

Jesse Adams, Digital Services Manager, Corvallis Benton County Public Library

Julie Anderson, Developer, Outreach Program Manager, Hewlett Packard Company - Corvallis

Lisa Blank, Director, Oregon Coast STEM Hub, OSU

Leslie Burns, Faculty (Emeritus), College of Business

Andrew Cherbas, Deputy Director of Public Services, Corvallis Benton County Public Library

Christine Gallagher, Graphic Design Instructor, College of Liberal Arts/School of Arts and Communication

Tracy Lang, Program Manager, HP

Ray Malewitz, Associate Professor, College of Liberal Arts/Writing Literature & Film

Andrea Marks, Professor of Design, College of Business

Margaret Mellinger, Associate Professor, Director of Emerging Technologies & Services, OSU Libraries & Press

Yigit Menguc, Assistant Professor of Mechanical Engineering, College of Engineering

Seri Robinson, Assistant Professor of Anatomy of Renewable Materials, College of Forestry

Shawn Rowe, Associate Professor, College of Education and Oregon Sea Grant

Susan Rowe, Project Manager, Carnegie Reclassification, Office of Undergraduate Studies

Jun Bum Shin, Assistant Professor of Graphic Design, College of Liberal Arts

SEPARATED FROM OSU/CORVALLIS

Cole Crawford, Graduate Teaching Assistant, College of Liberal Arts and Division of University Outreach and Engagement

Jean Garcia-Chitwood, OSU Pre-College Programs

Eric Hinsch, College of Forestry

Carol Slevin, OSU Libraries & Press

Kaitlyn Wittig Menguc, independent artist and scholar

LEADERSHIP & OPERATIONS *Past and Present*

Corvallis Benton County Public Library

HP

OSU Cyberlab

PARTICIPATION

Albany Maker Club • The Arts Center, Corvallis
ArtWorks CEI • Ashbrook Independent School
Bricks 4 Kidz • CCAT29 Video Production
Carma Cosplay • ChickTech • City of Corvallis
Corvallis Area Makers • Corvallis Environmental
Center • Corvallis Geek Olympathon • Corvallis High
School • Corvallis Multicultural Literacy Center
Coyle Helmets • Crescent Valley High School
Da Vinci Days • The Foundry • Frank Mandalas
Gearbox - Brick Circuit • Hot Glue Makerspace
Kincaid Guitars • LibLab • Linn Benton Community
College • Little Bytes of Pi • MakerBox Drawing
Robots • Mars Viking Preservation Society
Massif Games • Mid-Valley Intentional Commons
Mike Town Longboards (Lakeside School)
Muddy Creek Charter School • Neiman Mobile
Spinart • NuScale Power • Orangetheory Fitness
Oregon Coast STEM Hub • Pi Dads
Pipeline to Jobs • Raas Jewelry Designs
Reed Lacey Kinetic Sculpture • Rock Painters
Smith Polyhedron Designs • Solid Fuel Studios
Southridge High School 3d Printing Club
Star Wars Oregon • Sunstone Circuits
Susan Stogsdill Bookbinding • Tom Saksa Collection
Undergods Destination Imagination Team
Ushiyama Bird Carving • Visit Corvallis
Washed Ashore • Wavelength Resources

ATTENDANCE AND PARTICIPATION DATA

2014-2018

5,850 attendees

14 OSU campus partners/sponsors

66 OSU groups participating

56 community groups participating

BRIDGES COLLABORATIVE CARE CLINIC



PROJECT LEADER

PRISCILLA PARK | Co-Chair, Pharm.D. Candidate (2020),
College of Pharmacy

PROJECT DESCRIPTION

Bridges Collaborative Care Clinic (BCCC) is Oregon's first and only interdisciplinary, student-run clinic for the underserved. BCCC has partnered with Transition Projects, Inc (TPI), a local organization that provides services, resources, and tools to help individuals transition from homelessness to housing. Through this partnership, BCCC has been able to fulfill one of its central goals of integrating students from multiple health and social services disciplines,

including medical, nursing, pharmacy, dental, and public health, to provide low-barrier, participant-centered care and services in the Portland Metro area.

During the beginning stages of planning and preparation for the clinic opening, a needs assessment survey was conducted to determine the population in need. At present, the clinic's Quality Improvement (QI) team continues to construct and conduct feedback surveys to be distributed to new populations as our clinic continues to expand, as well as to our current participants to reassess any potential changes and needs. Moreover, leaders from TPI participate in all of BCCC's Steering Committee meetings, during which they offer valuable insight to improve the clinic's efforts, including feasibility of particular operations and methods to best serve their residents.

Currently, BCCC offers medical services to all TPI participants bi-monthly, allowing them to access healthcare services without socioeconomic barriers, as well as health education workshops on topics ranging from navigating healthcare to chronic disease management and yoga sessions to interested participants with the aim to increase health literacy. Through these services, TPI participants have the ability to achieve and maintain health at no cost.

To better meet the needs of the community we serve, a new clinic location is being established to offer dental services. The scope of practice at the current site will continue to expand. By Spring 2019, we will launch our dental clinic to offer high demand services, such as fillings and tooth extractions, and by summer 2019, we will launch our Pharmacy clinic to offer weekly medication therapy management, as well as additional services, including medication delivery and immunizations.

FACULTY AND STAFF INVOLVED

Juancho Ramirez, Pharm.D., Assistant Dean, Experiential Programs, College of Pharmacy

STUDENT INVOLVEMENT

Kelli Kronsberg, fourth year pharmacy student, College of Pharmacy

Marius Ibuye, fourth year pharmacy student, College of Pharmacy

COMMUNITY PARTNERS

Transitions Projects, Inc



IMPROVING HEALTH ACROSS OREGON THROUGH BLUE ZONES PARTNERSHIP



PROJECT LEADER

LAUREN KRAEMER | Assistant Professor of Practice, College of Public Health and Human Services and Family and Community Health Extension, Hood River and Wasco Counties

PROJECT DESCRIPTION

Four Oregon regions have been working on becoming Blue Zones Demonstration communities over the last several years. Blue Zones are communities where people live to be

100 or more with few chronic health conditions. OSU Extension faculty have served as key stakeholders by assisting with writing applications, planning site visits, presentations to civic groups and elected officials, developing and leveraging partnerships, and serving on steering, policy, and sector committees. We have supported the development of local “Blue Prints,” which outline strategies and measurable outcomes for environmental, policy, and systems changes across five community sectors: schools, worksites, grocery stores, restaurants, and the community at large.

Klamath Falls has seen tremendous successes in three years. Notable accomplishments include adopting 12 policies that relate to built environment, food system, or tobacco. An online farmers market that accepts SNAP was established and a grocery store was reopened with support from county government. Tobacco use is down 5%, tourism is up 5%, and the Well Being Index is essentially unchanged despite a general downward trend throughout the U.S. In 2018, Klamath County received the Robert Wood Johnson Culture of Health prize.

In the first 18 months of Blue Zones efforts in the other communities, all have seen collective impact in Safe Routes to School programs, expanded rollout of Healthy Celebrations, substantial community engagement through Purpose Workshops, Moais (social support groups), and volunteer opportunities, and a growing number of certified sector sites.

FACULTY AND STAFF INVOLVED

Patty Case, Associate Professor, College of Public Health and Human Sciences and Family and Community Health Extension, Klamath County

Cheryl Kirk, Senior Instructor, College of Public Health and Human Sciences, Family and Community Health Extension, Jackson and Josephine Counties

Mandy Hatfield, Instructor, College of Public Health and Human Sciences, Family and Community Health Extension, Douglas County

COMMUNITY PARTNERS

Statewide - Oregon Healthiest State • Cambia Health Foundation • Oregon Business Council Charitable Institute

Community

THE DALLES • Mid-Columbia Medical Center • Providence Health and Services • Columbia Gorge Health Council • Wasco County • City of The Dalles • One Community Health • North Central Public Health District • Waste Connections • Oregon State University Extension Service • Gorge Youth Center • Gorge Grown Food Network • Northern Wasco County School District

KLAMATH – SkyLakes Medical Center • Klamath County Public Health • Klamath County School District • Klamath City School District • Klamath Farmers Market • City and County Government • City Parks Department • County Planning Department • Klamath Hunger Coalition • Klamath Tribes • Herald and News • OSU Klamath Basin Research & Extension Center • Klamath Community Foundation • Discover Klamath • Downtown Business Association • Air National Guard • Klamath Basin Senior Center • Diversified Contractors • Chamber of Commerce • Klamath Community College

GRANTS PASS – Asante Three Rivers Medical Center • Siskiyou Community Health Center • Primary Health of Josephine County • AllCare Health • Grants Pass School District • Three Rivers School District • Josephine County Health Department • City of Grants Pass • YMCA of Grants Pass • Kid Zone Foundation • Oregon State University Extension Service (Family and Community Health, Small Farms) • Rogue Valley Food Systems Network • The Daily Courier • Club Northwest

UMPQUA – Douglas ESD • Mercy Foundation • Evergreen Family Practice • Umpqua Valley Farmers Market • NeighborWorks Umpqua • UCAN • Roseburg School District • City of Roseburg • Douglas County Public Works • Mercy Medical Center • Bike and Walk Umpqua • Ford Family Foundation • Sherm’s Thunderbird • Oregon State University Extension Service



PUERTO RICO ENGAGED SERVICE LEARNING COURSE



PROJECT LEADERS

KATIE GAEBEL | Former Director of Strategic Initiatives, Career Development Center

WANDA CRANNELL | Academic Program Coordinator, College of Agriculture

SUSAN ROWE | Project Manager, Carnegie Reclassification, Office of Undergraduate Studies

SHAWN ROWE | Associate Professor, College of Education and Oregon Sea Grant

KATIE FIELD | Professor and Director of the Bioresource Research Program, College of Agricultural Science and College of Science

INGRID AROCHO | Assistant Professor, College of Engineering/Civil and Construction Engineering

ALEXIS ADAMES | Student, Food Sciences

PROJECT DESCRIPTION

After the 2018 hurricane season and the devastation of hurricane Maria, Puerto Rico had over \$780 million losses in agriculture production, exacerbating the food crisis and making the country likely to be 100% dependent on food imports for several months to come. This service-learning course was driven by the need to support the PR community and schools during this food crisis and in response to the widespread interest of our OSU faculty and students to engage and co-create a transformative learning experience through service. The majority of 32-student cohort were students of color and first generation students.

An intensive service-learning spring break was designed as a collaboration between OSU internal partners (the College of Agricultural Sciences, College of Sciences/BioResource Research Program, College of Engineering/Construction Engineering, Oregon Sea Grant/College of Education, Oregon Agriculture in the Classroom AITC, Minorities in Agriculture, Natural Resources and Related Sciences); Puerto Rico's land grant university, University of Puerto Rico Mayaguez; and the Segunda Unidad Bernaldo Mendez Jimenez school in San Sebastian.

Through collaboration with UPRM faculty and teachers at the middle school, what had been more or less a traditional service learning course was transformed into a service learning opportunity for OSU faculty and students to work directly on renewing and rebuilding a school agriculture education program side-by-side with students, faculty, and community members from the city of San Sebastián. The travel and building/curriculum materials was made possible by funding from several different sources, including gifts from individuals and corporate partners supporting the colleges, student clubs, scholarships, experiential learning funds, and more.

A group of six leaders, 31 students, and a volunteer facilitator designed six needs-based projects in collaboration with the University of Puerto Rico Mayaguez and school partners. Projects included building a new roof and accessible sidewalk for the agriculture program, cleaning school grounds of debris, piloting new bilingual curriculum, and restoring garden and growing areas at the school for class and community use.

As part of their coursework, students in the OSU course also had the opportunity to explore as part of their coursework the history of colonialism in Puerto Rico and its impacts on traditional foods, agricultural practices and education. On the ground, they met local farmers, Extension faculty, and agriculture students who explained both the impacts of the storm and what it means for communities, businesses, and agriculture to be resilient.

PROJECT STUDENT MEMBERS

UNDERGRADUATE STUDENTS

Celine Thanh Thu Huynh • Jasmin Huila • Trinity Eve Shodin • Krystal Marie Lemhouse • Taylor Paige Betz
Garrett Lee Burris • Trisha Julie Chau • Gloria Ruiz-Orozco • Craig Eric Arnold • James Michael Dimond
Benjamin Rietmann • Karina Sanchez • Marie Diane Thompson • Wilfredo Raymundo • Kenneth Walter Semenko
Cecilia Morales Barajas • Kyungsu Park • Madison Claire Opdahl • Kerri Raven Waldron • Ashley Rose Devery
Karina Heredia • Auna Kay Godinez • Christian Noel Francis • Brenda Villanueva • Zachary James Pinard
Kelly Shotwell • Metzin Aketzali Rodriguez Cardoso

GRADUATE STUDENTS

Jasmine Kiara Brown
June S. Hamilton
Todd Harwell

POST-DOCTORAL SCHOLARS

Nicole Hams

COMMUNITY PARTNERS

University of Puerto Rico - Mayaguez
Segunda Unidad Bernaldo Mendez Jimenez school, San Sebastian



THE SMILE PROGRAM



PROJECT LEADER

JAY WELL | Assistant Director of SMILE, Enrollment Management

PROJECT DESCRIPTION

Science & Math Investigative Learning Experiences (SMILE) is a precollege program at Oregon State University (OSU). The SMILE program: supports minoritized youth, students who are from low-income households, and those who would be the first in their families to go to college gain STEM skills,

engages youth year round in 4-12 grades statewide in science, math and engineering, and provides professional development for classroom teachers who facilitate SMILE clubs.

SMILE was created 31 years ago in collaboration with community partners across the state to increase access and college readiness in STEM for underserved and underrepresented youth in mostly rural Oregon communities. National data sets indicated that academically engaging afterschool programs were especially important for youth that come from family backgrounds with lower incomes and less education such as SMILE's target population here in Oregon. SMILE was created to provide substantial and engaging learning environments at a pivotal time in student's lives when they are deciding upon their aspirations and dreams. The founders and initial leaders of SMILE wanted to create a fun, safe, academic, afterschool participatory STEM-focused program that would support rural, minority, female and low-income youth have equitable access to higher education. SMILE partners with 16 school districts, 36 schools and 65 teachers, in supporting out-of-school time (OST), STEM learning opportunities annually for 750 students from grades 4 to 12 through weekly, afterschool club meetings, and annual events including Family Math and Science Nights and College Connection.

SMILE's school-university partnership is contractually renewed each year. The programming is developed in collaboration with OSU researchers as part of their broader impacts and outreach and connects students' STEM interests to college programs and careers. Collaboration with research faculty has led to funded grant proposals, publications, and presentations that advance the field of STEM outreach and broader impacts.

Over the past 31 years, the program has served approximately 9,500 students: 60% female and 40% male, 81% first generation, 40% Latinx, 22% American Indian/Native American, 24% low-income white and 14% other eligibility. SMILE students graduate at or slightly above the Oregon average high school graduation rate. Through the National College Access Network, SMILE is now able to track college enrollment and completion.



FACULTY AND STAFF INVOLVED

SueAnn Bottoms, Director
Brendan Williams, Research Program Coordinator
Adam Talamantes, Program Coordinator
Dominique Brooks, Program Coordinator
Emily Nicholson, Program Coordinator
Kami Hammersmith, Administrative Program Assistant

Over its 31 years, SMILE has had partnerships with research faculty and graduate students from all 11 OSU colleges and centers (Hatfield Marine Science Center, Oregon Sea Grant, Oregon Space Grant, Center for Research on Lifelong STEM Learning, Environmental Health Sciences Center, OSU Ship Operations and the HJ Andrews Experimental Forest Long-term Ecological Research Site) and other Oregon universities and community colleges (PSU, WOU, SOU, EOU, OIT, OSU Cascades, Rock Creek CC, Rogue CC, Umpqua CC, TVCC).

CURRENT PARTNERS INCLUDE

Demain Bailey, Project Manager, Regional Class Research Vessel (RCRV)

Claire Reimers, Project Support, RCRV

Steven Strauss, Distinguished Professor of Forest Biotechnology, Leopold Fellow, College of Forestry/Forest Ecosystems & Society

Troy Hall, Department Head, College of Forestry/Forest Ecosystems & Society

Jessica Jansen, Executive Director, Oregon Agriculture in the Classroom, College of Agricultural Sciences

Mark Novak, Associate Professor, College of Science/Integrative Biology

Stephen Giovannoni, Distinguished Professor, College of Science/Microbiology

Catalina Segura, Assistant Professor, College of Forestry/Forest Engineering Resources and Management

Kari O'Connell, Senior Researcher, Center for Research on Lifelong STEM Learning

Tracy Crew, Marine Education Program Manager, Hatfield Marine Science Center, Oregon Sea Grant

STUDENT INVOLVEMENT

Annually there are 25-30 college students from various majors and colleges that serve as mentors for the College Connection events. These are events that happen in the spring, where SMILE students from across the state come to OSU. While here, students from various colleges serve as mentors at the elementary, middle and high school events.

COMMUNITY PARTNERS

16 school districts and 36 schools.

Dayton School District 8, Yamhill County: Dayton GS, Dayton JH

Forest Grove School District 15, Washington County: Tom McCall Upper ES

Neil Armstrong MS, Forest Grove HS

Jefferson School District 509J, Jefferson County: Warm Springs K-8 Academy (ES and MS Clubs), Madras HS

Klamath County School District, Klamath County: Chiloquin ES, Chiloquin MS, Chiloquin HS

Klamath Falls City School District, Klamath County: Klamath Union HS

Lebanon Community Schools, Linn County: Seven Oak MS

Lincoln County School District, Lincoln County: Siletz Valley Charter School (ES and MS Clubs), Siletz Valley Early College Academy (HS Club)

Monroe School District 1J, Benton County: Monroe

Nyssa School District 26, Malheur County: Nyssa ES, Nyssa MS, Nyssa HS

Ontario School District 8C, Malheur County: Four Rivers Community School (MS Club), Ontario MS, Ontario HS

Sisters School District 6, Deschutes County: Sisters MS

Three Rivers School District, Josephine County: Evergreen ES, Lorna Byrne MS, Lincoln Savage MS, Illinois Valley HS

Willamina School District 30J, Yamhill County: Willamina ES, Willamina MS, Willamina HS

Woodburn School District 103, Marion County: Lincoln ES, Washington ES, Nellie Muir ES, French Prairie MS, Valor MS, Wellness, Business and Sports School (HS Club)

CITIZEN FIRE ACADEMY



PROJECT LEADER

STEPHEN A. FITZGERALD | Silviculture and Fire Specialist, College of Forestry and Forestry & Natural Resources Extension

PROJECT DESCRIPTION

Citizen Fire Academy (CFA) is a nationally unique program that responds to the urgent need to develop and cultivate citizen sparkplugs who have the confidence, knowledge and skills to promote targeted wildfire preparedness activities in their community. Wildfire is a complex challenge in Oregon.

Fire-adapted communities are contingent on local adoption and support of sound, scientifically-based solutions to effectively plan and implement fuels reduction and mitigation projects.

A series of exploratory meetings were held throughout the state with local, state and federal partners to discuss how to motivate the public to better prepare for wildfire in the development of CFA. As a service-education program, we developed a published curriculum with the guidance of project partners, and through lessons learned in pilot implementation. A “hybrid” model combining online and field-based instruction was also developed in response to participant needs.

Partners like Project Wildfire were essential for determining information that local residents and landowners needed to encourage Firewise Communities and fuels reduction. Partners assisted in program implementation as well.

By graduation, all CFA participants completed a home or community Wildfire Preparedness Plan, and were encouraged to volunteer in their communities. Volunteers have helped develop Firewise Communities, performed informal assessments on wildfire preparedness for friends, family and neighbors or served as Peer Mentors, assisting landowners with fuels reduction strategies.

To expand participation, CFA delivery was modified to a series of one-day workshops and short presentations. With this format, CFA has reached a wider audience, sparking more interest in wildfire preparedness and fuels reduction. CFA programs have been held in Curry, Lane, Douglas, Josephine, Jackson, Deschutes, Clackamas, and Union counties. The curriculum is available to anyone wishing to promote wildfire preparedness at:

catalog.extension.oregonstate.edu/em9168.

FACULTY AND STAFF INVOLVED

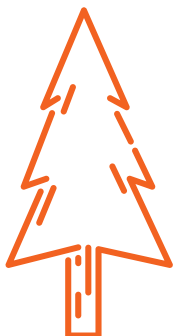
Max Bennett - Forestry Agent, College of Forestry, Forestry & Natural Resources Extension

Kara Baylog - Educational Programming Assistant, Southern Oregon Research & Extension Center

Nicole Strong - Forestry Agent, Forestry & Natural Resources Extension

COMMUNITY PARTNERS

Oregon Department of Forestry • Project Wildfire • Bureau of Land Management • U.S. Forest Service • Douglas Forest Protective Association • Coos Forest Protective Association • Rogue Valley Fire Prevention Cooperative • My Southern Oregon Woodlands



OREGON FOREST PEST DETECTOR



PROJECT LEADER

AMY GROTTA | Associate Professor, Forestry & Natural Resources Extension

PROJECT DESCRIPTION

When emerald ash borer (EAB), one of the most destructive invasive forest insects the U.S. has ever experienced, was found in Colorado, it was a wake-up call to Oregon about our vulnerability to EAB. Oregon ash, a native species, is found all over the Willamette Valley in low-lying areas where it serves a vital ecosystem niche, shading streams and swamps and providing cover for riparian wildlife. In addition, ash trees have been a popular choice for urban street trees for decades. Conversations about EAB suddenly became more frequent among ecologists and the restoration community, over list-serve chats and professional networking events. People wanted to know when EAB would arrive in Oregon and what could be done to combat it.

It was in the midst of these events that we hatched the idea for what eventually became the Oregon Forest Pest Detector (OFPD) program. OSU Extension's Amy Grotta recognized that the only way that Oregon could successfully manage an EAB infestation where other states had failed would be if the infestation were discovered early.

After floating a first detector model concept by important stakeholder and receiving positive feedback, OSU Extension submitted a proposal to APHIS to fund a one-year pilot of the Oregon Forest Pest Detector concept. The proposal was successful and work began on the program in 2014, bringing on a part-time program coordinator to develop curriculum and launch the project. Due to the success and evolving nature of the program, funding continues through December 2019.

A steering committee of cooperators guided curriculum development. These partners not only ensured the technical accuracy of our material but also provided stakeholder perspectives on many key aspects of our project.

In small groups, participants work through a course of twelve trees with varying degrees of simulated pest damage. They work together to determine based on the evidence whether each tree is "infested" with an invasive insect and should be reported. We believe our field course format is unique among first detector-type educational programs. Without actual infested trees to work with, we wanted to make the experience as hands-on and realistic as possible for trainees. Participants consistently rate the field course as an outstanding and highly effective educational experience that cements the concepts learned online.

Over time, the curriculum has evolved as new pest threats have emerged, or as new management, tools and knowledge are developed. For example, when the Asian gypsy moth (AGM) was found in monitoring traps around Portland in 2015, we developed a new AGM module that we delivered to community groups that were located in the zone that was to be treated by aerial insecticide. This effort built trust and understanding among the public, and gave them an opportunity to learn from and interface with people from the agencies responsible for managing AGM (APHIS and ODA). In 2017, we launched another new module on the goldspotted oak borer, a potential threat in southern Oregon.

FACULTY AND STAFF INVOLVED

David Shaw, Professor and Forest Health Extension Specialist, College of Forestry/Forest Engineering, Resources & Management

Brandy Saffell (formerly of OSU), Program Coordinator, Forestry & Natural Resources Extension

COMMUNITY PARTNERS

Oregon Department of Forestry

Oregon Department of Agriculture

USDA-APHIS

U.S. Forest Service

Portland Parks & Recreation - Urban Forestry

City of Eugene

Oregon Parks & Recreation Department

Oregon Community Trees

Mt. Hood Community College

OREGON FOREST PEST DETECTOR BY THE NUMBERS

\$227,638 in external funds brought in to OSU

31 face-to-face workshops

514 participants in these workshops, coming from 19 counties

Nine field courses installed in seven counties

750 Oregon Dept. of Ag Pesticide License and International Society of Arboriculture CEUs awarded (a collective value to participants of approximately \$1,500)

Four peer-reviewed publications in the EESC catalog

Nine scholarly presentations at local to international meetings (3 invited, 6 volunteered)

IMPROVING OCEAN CONDITION FORECASTING



PROJECT LEADER

P. TED STRUB | Professor of Physics of Oceans and Atmosphere, College of Earth, Ocean, and Atmospheric Sciences

PROJECT DESCRIPTION

Al Pazar, our lead commercial fishing partner on this project, helped us assess the challenges, identify an engaging and practical approach, recruit other interested fishermen over the years, and he continued to serve as a sounding board for changes made over time and for the design on the research related to decision making within the fishing community.

This effort was premiere engaged scholarship on two levels: initial cooperative product development, and perception of risk and uncertainty research that informed further product improvement and transformation. This worked toward the goal of making ocean condition forecasting as accessible and useful as weather forecasting.

The product created, NVS Seacast, is used for safety and economic decisions. Both lead to fishing community health and well-being, and social and economic vitality of this important Oregon community of interest.

The ocean is constantly changing. Advances in ocean-observing technology over 20-30 years have increased scientists' understanding of marine conditions. Yet there are myriad potential users of this information. Initial assessment indicated seagoing end-users (i.e., commercial fishermen) especially need comprehensible forecasts. Publically available, short-term ocean forecasts (i.e., winds/waves) have been text heavy and broad scale. More detailed presentations, designed by scientists, were often difficult for non-scientists to use and interpret.

NVS Seacast is available 24/7, helping fishermen make critical safety/economic decisions and guiding scientists to improve their data/forecast presentations. In this interdependent system, all "sides" are experts in what they do, have something to offer, and risks to suffer. Although the process was neither easy nor quick, it has paid off. As described by fishermen, better-informed decisions result in improved physical safety and economic well-being.

FACULTY AND STAFF INVOLVED

Craig Risien, Faculty Research Assistant, Integrated Ocean Observing System/NANOOS/OOI, College of Earth, Oceans, and Atmospheric Sciences

Ian Black, Faculty Research Assistant, Ocean Observatories Initiative, College of Earth, Oceans, and Atmospheric Sciences

Flaxen Conway, Professor and Director, Marine Resource Management Program, College of Earth, Oceans, and Atmospheric Sciences, Oregon Sea Grant

STUDENT INVOLVEMENT

Jess Kuonen, Graduate Student, graduated March 2018, MS in Marine Resource Management, CEOAS

Colin Duncan, Graduate Student, graduated July 2015, MS in Marine Resource Management, CEOAS

Several undergraduate students

COMMUNITY PARTNERS

Commercial fishermen **Al Pazar**, **Bob Kemp**, **Bob Eder**, **Doug Morrison**, and the crews on all of their fishing vessels.



The Vice Provost Awards for Excellence celebration showcases 10 exceptional, award-winning outreach and engagement projects. The Vice Provost Awards for Excellence were created to encourage and reward efforts to create and nurture healthy communities, a healthy planet, and a healthy economy.



Oregon State University earned the **Carnegie Community Engagement University Distinction in 2010**



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