

# College of Agricultural Sciences

## **Ivan Arismendi**

*Fisheries and Wildlife*

Research Interests: stream ecology, limnology, hydrology, forestry, and watershed-level processes. In particular, interested in the consequences of climate change on freshwater ecosystems, biological invasions in freshwaters, and terrestrial-aquatic food webs. In addition, issues related to diversity and inclusion in sciences

<http://fw.oregonstate.edu/content/ivan-arismendi-arismendi>

## **Christy Brekken**

*Applied Economics*

Research Interests: Applied Economics related to agricultural production, public policy that affects agricultural production and environmental quality, Agricultural and Environmental Law, Agricultural Business Management, and Environmental Economic and Policy.

<http://appliedecon.oregonstate.edu/users/christine-brekken>

## **Holly Campbell**

*Fisheries and Wildlife*

Research Interests: how marine/environmental science impacts regulatory systems and governance. Systems analysis of the coastal zone, particularly the effects of inland human activities including climate change on water quality, biodiversity, and fisheries. Marine Law and Ocean Law.

<http://fw.oregonstate.edu/content/holly-v-campbell>

## **Susan Capalbo**

*Applied Economics*

Research Interests: Economics of climate change; carbon sequestration; integrated policy analysis and tradeoff assessment; integrating science and economics in addressing issues of sustainable agricultural policies.

<http://appliedecon.oregonstate.edu/users/susan-capalbo>

## **Samuel Chan**

*Fisheries and Wildlife*

Research Interests: aquatic invasive species and aquatic ecosystem health. Public education and engagement to Oregonians of all ages on identifying, controlling and managing the spread of marine invasives, and conducts research to test evaluate and implement invasive species educational programs.

<http://fw.oregonstate.edu/content/sam-chan>

## **Richard Cuenca**

*Biological and Ecological Engineering*

Research Interests: system analysis, irrigation system design, evapotranspiration analysis, and soil water and physical property analysis

<http://bee.oregonstate.edu/richard-cuenca>

**Jason Dunham**

*Fisheries and Wildlife*

Research Interests: Landscape ecology of aquatic ecosystems, conservation biology of focal species, ecology of natural disturbance, biological invasions, monitoring

<http://fw.oregonstate.edu/content/jason-dunham>

**Dan Edge**

*Fisheries and Wildlife*

Research Interests: Population and habitat ecology of wildlife in forest and agricultural ecosystems; mammal conservation and management; administration and policy; university education pedagogies, especially distance education

<http://fw.oregonstate.edu/content/w-daniel-dan-edge>

**Robert Ehrhart**

*Animal and Rangeland Sciences*

Research Interests: Riparian Zones, Natural Resources, and Distance education.

<http://anrs.oregonstate.edu/content/robert-ehrhart>

**Jesse Ford**

*Fisheries and Wildlife*

Research Interests: Atmosphere-biosphere interactions, High latitude ecosystems, Influence of airborne contaminants on aquatic and terrestrial ecosystems, and Long-term patterns of aquatic and terrestrial ecosystem development

<http://fw.oregonstate.edu/content/jesse-ford>

**Lisa Gaines**

*Institute for Natural Resources*

Research Interests: human dimensions of environmental risk, environmental policy and decision-making, citizen participation, evaluation, and international transboundary waters.

<http://inr.oregonstate.edu/people/lisa-gaines>

**Guillermo Giannico**

*Fisheries and Wildlife*

Research Interests: Salmonid behavior. Fish distribution and habitat selection in freshwater and estuarine systems. Salmonid habitat restoration. Influence of riparian vegetation and land use activities on fish habitat. Integrated watershed management. Fish passage. Fish in agricultural landscapes.

<http://fw.oregonstate.edu/content/guillermo-giannico>

**David Hannaway**

*Crop and Soil Sciences*

Research Interests: grass based-health, world grasslands, international and U.S. grassland sciences and forage, and Nutrition related to grass-lands

<http://cropandsoil.oregonstate.edu/content/david-hannaway>

**William (Todd) Jarvis**

*Institute for Water and Watersheds*

Research Interests: transboundary aquifers, water conflict resolution, and education in water science and policy

<http://water.oregonstate.edu/staff>

**Joe Kerkvliet**

*Applied Economics*

Research Interests: Endangered species conservation, conservation on private land, non-market valuation, economics of education

<http://appliedecon.oregonstate.edu/users/joe-kerkvliet>

**Robert Lackey**

*Fisheries and Wildlife*

Research Interests: Assessing alternative Pacific Northwest ecological futures; Pacific salmon policy and management; ecosystem management and alternative management paradigms; ecological policy and decision analysis; interface between science, scientists, and natural resource policy

<http://fw.oregonstate.edu/content/robert-lackey>

**Meta Landys**

*Fisheries and Wildlife*

Area of Research/Expertise: Neuroendocrine mediation of life-history trade-offs, hormonal control of reproductive behaviors and territorial aggression, physiology of avian migration

<http://fw.oregonstate.edu/content/meta-landys>

**Luke Painter**

*Fisheries and Wildlife and Forest Ecosystems and Society*

Research Interests: ecology of animal and plant interactions, particularly trophic cascade effects involving large herbivores and top predators

<http://fw.oregonstate.edu/content/luke-painter>

**Julie Pett-Ridge**

*Crop and Soil Sciences and College of Earth, Ocean, and Atmospheric Sciences*

Research Interests: earth surface including chemical weathering, soil formation, and biogeochemical cycling.

<http://cropandsoil.oregonstate.edu/content/julie-pett-ridge>

**Gordon Reeves**

*Fisheries and Wildlife*

Research Interests: Ecology of anadromous salmonids, stream habitat landscape ecology and monitoring

<http://fw.oregonstate.edu/content/gordon-reeves>

*Water Resources Graduate Program*

Research Interests: Watershed processes, forest hydrology, wetlands, and coastal processes

<http://oregonstate.edu/gradwater/gordon-h-reeves>

**Grant Thompson**

*Fisheries and Wildlife*

Research Interests: Marine fish stock assessment and fishery harvest theory, statistical methodology, risk analysis and precautionary approaches, prevention of overfishing.

<http://fw.oregonstate.edu/content/grant-thompson>

## College of Earth, Ocean, and Atmospheric Sciences

### **Lynette de Silva**

*Water Conflict and Management*

Research Interests: Water conflict management, integrated watershed management, and water resources and land management practices

<http://ceoas.oregonstate.edu/profile/desilval/>

### **Roy Haggerty**

*Geology and Geophysics, Ocean Ecology and Biogeochemistry*

Research Interests: Hydrology, hydrogeology, ecohydrology. Ground water-surface water interactions, flow and transport in surface and ground water, nutrient transport, modeling, hyporheic exchange, heat transport in streams

<http://ceoas.oregonstate.edu/profile/haggerty/>

### **Michael Harte**

*Geography, Environmental Sciences, and Marine Resource Management*

Research Interests: fisheries policy and the wider subject of the sustainable management of marine resources. Interdisciplinary research interests in: Rights-based fishery management systems; cost recovery and resource royalty systems; capacity building for sustainable management of the environment; co-management of coastal marine resources; and spatial decision support systems to assist environmental decision-making.

<http://ceoas.oregonstate.edu/profile/harte/>

### **Anne Nolin**

*Geography, Environmental Sciences, and Marine Resource Management*

Research Interests: Snow processes in mountain environments, hydroclimatology, cryosphere-climate interactions, remote sensing of snow and ice, surface energy balance modeling, radiative transfer modeling, digital image processing

<http://ceoas.oregonstate.edu/profile/nolin/>

### **Aaron Wolf**

*Geography, Environmental Sciences, and Marine Resource Management*

Research Interests: Transboundary Water Conflicts and Conflict Resolution, Water Basin Technical and Policy Analysis, Environmental Policy Analysis, Water Resources Policy and Conflict Resolution, Middle East Geopolitics

<http://ceoas.oregonstate.edu/profile/wolf/>

## College of Forestry:

### **Alba Argerich**

*Forest Engineering, Resources, and Management*

Research Interests: Water Quality, Effects of hydrology and morphology on stream function, forest-stream interactions, functional processes in stream ecosystems-nutrient cycling, respiration, and primary production, and ecology of the hyporheic zone

<http://ferm.forestry.oregonstate.edu/facstaff/argerich-alba>

### **John Bailey**

*Forest Engineering, Resources, and Management*

Research Interests: Silviculture; using traditional and experimental silviculture practices to achieve a spectrum of objectives in a landscape, including commodity production, habitat creation, fire risk reduction, and ecosystem restoration.

<http://ferm.forestry.oregonstate.edu/facstaff/bailey-john>

### **Badege Bishaw**

*Forest Ecosystems and Society*

Research Interests: Integrated Social and Ecological systems and Science of Conservation, restoration, and sustainable management. Agroforestry, international forestry, natural resources, and restoration ecology.

<http://fes.forestry.oregonstate.edu/people?path=people/bishaw-badege>

### **Matthew Betts**

*Forest Ecosystems and Society*

Research Interests: Landscape Ecology and Wildlife Ecology; (1) Influences of landscape structure on demography of animal populations, (2) Animal movement (particularly dispersal), (3) Population viability modeling, (4) Ecological thresholds, (5) Trophic cascades in forest ecosystems, (6) Species distribution modeling, (7) Socio-political mechanisms to affect sustainable forestry (8) Measuring landscape change

<http://fes.forestry.oregonstate.edu/people?path=people/betts-matthew>

### **Janean Creighton**

*Forest Ecosystems and Society*

Research Interests: Human Dimensions, Natural Resources, fire science delivery, climate change communication and science delivery, and intergenerational transfer of private funds

<http://fes.forestry.oregonstate.edu/people?path=people/creighton-janean>

### **Joan Hagar**

*Forest Ecosystems and Society*

Research Interests: Habitat relationships of forest birds, Oregon white oak communities, forest and wildlife ecology, wildlife-habitat relationships, restoration of native habitats, great basin pygmy rabbits

[http://fresc.usgs.gov/people/Profile.aspx?Emp\\_ID=34](http://fresc.usgs.gov/people/Profile.aspx?Emp_ID=34)

### **Temesgen Hailemariam**

*Department of Forest Engineering, Resources and Management*

Research Interests: Forest Measurement, Modeling, and LiDAR

<http://ferm.forestry.oregonstate.edu/facstaff/temesgen-hailemariam>

**Troy Hall**

*Forest Ecosystems and Society*

Research Interests: Environmental Communication, Natural Resources, outdoor recreation, values and attitudes related to Natural Resources management, recreation planning and management, specifically wilderness and protected areas focus, environmental communication, public understanding of science, interdisciplinary research, and research methods

<http://fes.forestry.oregonstate.edu/people?path=people/hall-troy>

**Mark Harmon**

*Forest Ecosystems and Society*

Research Interests: Forest, wildlife, and landscape ecology, ecosystem succession processes, decomposition, nutrient cycling, carbon dynamics, landscape dynamics

<http://fes.forestry.oregonstate.edu/people?path=/people/harmon-mark>

**Keith Jayawickrama**

*Forest Ecosystems and Society*

Research Interests: Managing cooperative tree improvement programs, Genetics of wood properties of intensively managed conifers, breeding strategies for intensively managed conifers, obtaining genetic gain in operational plantations, applied Douglas-fir and western hemlock tree improvement

<http://fes.forestry.oregonstate.edu/people?path=people/jayawickrama-keith>

**Loren Kellogg**

*Forest Engineering, Resources, and Management*

Research Interests: Mechanized harvesting of small timber, harvesting economics of alternative silviculture systems for timber and mature forest wildlife species, harvesting systems to improve forest health, young stand management and skyline thinning.

<http://ferm.forestry.oregonstate.edu/facstaff/kellogg-loren>

**Seema Mangla**

*Forest Ecosystems and Society*

Research Interests: Plant ecology, Invasive species, Restoration, tropical forestry

<http://fes.forestry.oregonstate.edu/people?path=people/mangla-seema>

**Brenda McComb**

*Forest Ecosystems and Society*

Research Interests: Forest, Wildlife, and Landscape Ecology and Science of Conservation, Restoration, and Sustainable Management

<http://fes.forestry.oregonstate.edu/people?path=people/mccomb-brenda>

**David Perry**

*Forest Ecosystems and Society*

Research Interests: Ecosystem ecology and Forest Ecology

<http://fes.forestry.oregonstate.edu/people?path=people/perry-dave>

**Paul Ries**

*Forest Ecosystems and Society*

Research Interests: Integrated social and ecological systems, urban and community forestry, urban forest management, hazard tree risk management, urban natural resources, urban forestry leadership development

<http://fes.forestry.oregonstate.edu/people?path=people/ries-paul>

**Matthew Shinderman**

*Forest Ecosystems and Society*

Research Interests: Sustainability, ecological assessment of urban landscapes, ecological restoration and dimensions of green building consumers

<http://osucascades.edu/people/matthew-shinderman>

**David Smith**

*Wood Science and Engineering*

Research Interests: Renewable Materials Manufacturing and using biomass for products and energy

<http://woodscience.oregonstate.edu/people/faculty/smith-david>

**Dave Stemper**

*Forest Ecosystems and Society*

Research Interests: Environmental Interpretation; Recreation Planning & Management; Natural Resource Education; Adult Learning Methods

<http://fes.forestry.oregonstate.edu/people?path=people/stemper-dave>

**John Tappeiner**

*Forest Engineering, Resources, and Management*

Research Interests: Siviculture

<http://ferm.forestry.oregonstate.edu/facstaff/tappeiner-john>

**Jimmy Taylor II**

*Forest Ecosystems and Society*

Research Interests: Forest, wildlife, and landscape ecology-Human Dimensions and Wildlife Ecology in specific

<http://fes.forestry.oregonstate.edu/people?path=people/taylor-jimmy>

**David Turner**

*Forest Ecosystems and Society*

Research Interests: Ecological Modeling-Forest nutrient cycling, spatially-distributed ecosystem models, application of satellite remote sensing to vegetation analysis

<http://fes.forestry.oregonstate.edu/people?path=/people/turner-david>

**Dana Warren**

*Forest Ecosystems and Society and Fish and Wildlife*

Research Interests: Aquatic ecosystems-aquatic-terrestrial linkages; fish ecology, ecosystem ecology, invertebrate ecology, biogeochemistry, and stream restoration.

<http://people.forestry.oregonstate.edu/dana-warren/home-page>

**Eric White**

*Forest Engineering, Resources, and Management*

Research Interests: Natural resource economics, land use change, climate change policy, forest-sector bioenergy, outdoor recreation economics and measuring outdoor recreation use

<http://ferm.forestry.oregonstate.edu/facstaff/white-eric-m>

**Michael Wing**

*Forest Engineering, Resource, and Management*

Research Interests: Geomatics, geographic information science (GISci), land cover change, global positioning systems (GPS), remote sensing, decision support systems, land surveying and geodesy, crime mapping and analysis, precision forestry, spatial statistics

<http://ferm.forestry.oregonstate.edu/facstaff/wing-michael>

## Other Colleges:

### **Jerri Bartholomew**

*Microbiology*

Research Interests: Salmon diseases, Myxozoan parasites, Host resistance mechanisms, Parasite evolution

<http://microbiology.science.oregonstate.edu/content/dr-jerri-bartholomew>

### **David Bernell**

*Political Science*

Research Interests: International Relations, American Foreign Policy, Energy Policy, International Political Economy, and Latin American Politics

<http://liberalarts.oregonstate.edu/spp/polisci/david-bernell>

### **Carolyn Boggess**

*Environmental Science*

Research Interests: Systems Ecology, Systems Modeling and Analysis, Embodied Energy (Emergy) Analysis, Watershed Assessment, Sustainable Design for the Environment, and Sustainable Business

<http://envsci.science.oregonstate.edu/node/113>

### **Denise Lach**

*Sociology and Public Policy*

Research Interests: Environmental Natural Resources Sociology, Applied sociology including social impacts assessment, program evaluation, and organizational development, organizational sociology, and water conflict and dispute resolution

<http://liberalarts.oregonstate.edu/spp/sociology/denise-lach>

### **A. Scott Reed**

*Extension Service Administration/Forest Engineering and Resource Management*

Research Interests: natural resource management and policy, outreach and engagement products and processes, and program planning and evaluation

<http://leadership.oregonstate.edu/people/scott-reed>

### **Inara Scott**

*College of Business*

Research Interests: sustainable business, clean energy, the electric power system, legal and policy implications to climate change, energy law, and utility law

<http://business.oregonstate.edu/users/inara-scott>

### **Brent Steel**

*Political Science and Marine Resource Management and Policy*

Research Interests: Public Policy, Rural Policy and studies, Sustainability: Science, Practice, and policy, water resource management, and marine resources management

<http://liberalarts.oregonstate.edu/spp/polisci/brent-s-steel>