Speaker and Panelist Biographies

Developing Future Scenarios for Climate Change in the California Current Ecosystem

A Workshop Co-Sponsored by The Nature Conservancy and Pacific Fishery Management Council
In Support of the Fishery Ecosystem Plan Climate and Communities Initiative
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Nate Mantua

Nate Mantua leads the Salmon Ecology Team at NOAA's Southwest Fisheries Science Center in Santa Cruz, California. This interdisciplinary group of scientists works to understand links between habitat and anadromous fish that spawn in California's watersheds but migrate to the ocean for growth and maturation. Nate worked at the University of Washington in Seattle from 1995-2012 where he co-directed the Climate Impacts Group. He was an associate professor in the School of Aquatic and Fishery Sciences from 2006-2012. His research interests include climate variability and predictability, climate impacts on natural resources, and the use of climate information in resource management.

Nate grew up in Bodega Bay, CA, earned a B.Sc. in atmospheric sciences from UC Davis, and a PhD in atmospheric sciences from the University of Washington. He was a postdoctoral fellow at the Scripps Institute for Oceanography in a project focused on seasonal climate forecasting. He began working on climate and Pacific salmon in 1995 with Bob Francis and his then PhD student Steven Hare in a collaboration that resulted in a series of journal articles about the Pacific Decadal Oscillation and its connections with the history of NE Pacific marine ecosystems. He received NOAA's Presidential Early Career Award for his work on the Pacific Decadal Oscillation and its impacts on Pacific salmon in 2000. His passion for the ocean, salmon and steelhead has always guided his research, service, and recreation activities.

Melissa Haltuch

Melissa Haltuch (Ph.D. 2008) is a Fishery Research Biologist with the NOAA Northwest Fisheries Science Center and an affiliate faculty member at SAFS. Her research focuses on fisheries stock assessment methods, quantifying and projecting climate effects on fish stocks, and communicating scientific advice. The primary focus for this work is the U.S. West Coast groundfish fishery. Melissa leads stock assessments for U.S. West Coast groundfish including petrale sole, lingcod, and sablefish. She served on the NOAA Fisheries and the Environment (FATE) program steering committee (8 years) and is currently a member of the North Pacific Research Board Science panel (5 years) and the Pacific Fishery Management Council SSC (<1 year). The NMFS-Sea Grant Fellow in Population Dynamics funded Melissa's Ph.D work at UW SAFS. Prior to arriving in Seattle Melissa worked for the U.S. Department of State, Office of Marine Conservation, as a Knauss Sea Grant Fellow and for the U.S. Geological Survey.

Elliott Hazen

Elliott Hazen is a Research Ecologist in the Environmental Research Division, NOAA Southwest Fisheries Science Center. Dr. Hazen's research interests span oceanography and fisheries ecology to ecosystem modeling, with a focus on predator-prey dynamics and climate ready management approaches for marine ecosystems. Elliott's publications address a range of topics from fine-scale foraging ecology of marine mammals to modeling the effects of climate change on top predator habitat and biodiversity. His research has been conducted around the world, from humpback foraging in the Gulf of Maine and the Western Antarctic Peninsula to blue and fin whale habitat and movement in the California Current, and has combined novel technologies including fisheries acoustics to measure prey, bio-logging tags, and oceanographic data with spatial statistics. He is currently working as part of an interdisciplinary team to use species-habitat relationships to create novel management strategies for the California Current Large Marine Ecosystem, a key component of NOAA's Integrated Ecosystem Assessments. Elliott received his master's in fisheries science from the University of Washington and his doctorate in ecology from Duke University in North Carolina, followed by a National Research Council fellowship with NOAA's Environmental Research Division in Pacific Grove, California. Elliott is currently a Research Ecologist with NOAA with an adjunct appointment in the Department of Ecology and Evolutionary Biology and Institute of Marine Sciences at the University of California, Santa Cruz, and an adjunct appointment at Stanford's Hopkins Marine Station.

Karma Norman

Karma Norman joined the NWFSC in 2003 to fill the Center's first non-economic social science position. He holds both an M.A. and a Ph.D. in environmental anthropology from the University of Washington, which he obtained in 2001 and 2007 respectively. He has worked previously as anthropological consultant on marine tenure and marine use for the Torres Strait Regional Authority in Australia.

Karma is involved in a coordinated national effort to define criteria for fishing communities under the National Standard 8 protocols described in the Magnuson-Stevens Act. He is leading an assessment of fishing community vulnerability and resilience in the context of integrated ecosystem assessments and management. He is also contributing to examinations of social networks within specific fisheries, social perceptions of ecological restoration efforts, and methodologies for identifying and measuring cultural interactions within integrated marine ecosystems.

Maisie Ganzler

Maisie Ganzler is the Chief Strategy and Brand Officer at Bon Appétit Management Company. She has been instrumental in shaping the overall strategic direction of the food service pioneer Bon Appétit Management Company for over two decades, overseeing Bon Appétit's strategic initiatives, culinary development, purchasing, and more. In 1999, she helped develop the groundbreaking Farm to Fork local-purchasing program and has since launched many of Bon Appétit's other progressive initiatives in the areas of animal welfare, sustainable seafood, antibiotics, farmworker rights, and food waste. More recently, she has focused on antibiotics in

agriculture and aquaculture, plant-forward innovation, and the development of a proprietary kitchen waste-tracking tool.

Mike Conroy

In a prior life, Mike pushed paper as a corporate lawyer. Before, and after, Mike has operated fishing vessels in both the commercial and charter boat sectors. From these experiences, he learned how various fisheries are prosecuted and how thoughtful, science-based management can benefit the fleets, buyers and processors, seafood consumers and other interested stakeholders. Mike works with fishermen, fishing associations and other persons on a number of issues ranging from transactional legal work, fisheries management, fisheries policy development and land and water use elements of Port/Harbor Master Plans. Mike noticed a need, within the fishing industry, for a voice who can bridge the gap between the realities of commercial and charter boat fishing, government agencies charged with managing the fisheries, the non-consumptive voices who enjoy the resources in a different way and the environmental organizations who promote sustainability and minimal impacts on the environment and ecosystem(s) resulting from fishing activities This need prompted the formation of West Coast Fisheries Consultants, LLC.

Cameron Speir

Cameron Speir has been an economist at NOAA Fisheries' Southwest Fisheries Science Center in Santa Cruz, California since 2008. He does research in natural resource and environmental economics, especially as it applies to fisheries resources, endangered species, and the economics of communities and regions. He has published work on water and habitat restoration issues surrounding Pacific salmon, the effects of ecological and management drivers on the distribution of commercial fishing across coastal communities, and the use of high resolution spatial data in fisheries management. He holds a bachelor's degree in economics and biology from McDaniel College, a master's degree in agricultural and applied economics from Virginia Tech, and a Ph.D. in agricultural and consumer economics from the University of Illinois. Speir currently serves on the Scientific and Statistical Committee for the Pacific Fishery Management Council.

Jana Hennig

Jana is the Executive Director of Positively Groundfish, a non-profit trade association with the mission to revitalize market demand for underutilized sustainable West Coast groundfish. Before moving into the world of seafood she gained valuable marketing and sales experience at large food consumer goods companies, the Olympic Games, and three start-up accelerators. She holds an MBA and a Master's in Marine Resource Management, as well as a Certificate in Public Policy from Stanford University.

Yvonne deReynier

Yvonne deReynier is a Senior Resource Management Specialist with NOAA Fisheries' West Coast Region, focusing on ecosystem-based management and climate change planning. She chairs the Pacific Fishery Management Council's Ecosystem Workgroup and her work addresses

cross-mandate policy development and implementation for our variable marine ecosystems. She holds a B.A. in politics from Mount Holyoke College, an M.A. in marine affairs from the University of Washington, and has served as a Presidential Management Fellow.