

The Honorable Dr. Jane Lubchenco

Dr. Lubchenco is a marine biologist and environmental scientist who has deep experience in the worlds of science, academia, public engagement and government. She served as the U.S. Under Secretary of Commerce for Oceans and Atmosphere and the Administrator of the National Oceanic and Atmospheric Administration (NOAA) and as part of President Barack Obama's Science Team from 2009-2013. From 2014-2016, she was the first U.S. State Department Science Envoy for the Ocean, serving as a science diplomat to China, Indonesia, South Africa, Mauritius and the Seychelles.

She received a B.A. in biology from Colorado College, a M.S. in zoology from the University of Washington, and a Ph.D. in ecology from Harvard University. Her academic career as a professor began at Harvard University (1975-1977) and continued at Oregon State University (1977-2009) until her appointment as NOAA Administrator. After serving as the Distinguished Visitor in Public Service at Stanford University, she returned to OSU to help champion the emerging Marine Studies Initiative.

Lubchenco is one of the world's "most highly cited" ecologists; eight of her publications are "Science Citation Classic Papers." She is best known for her research on biodiversity, rocky seashore ecology, and human impacts on the ocean, the planet and people's wellbeing (climate change, ocean acidification, hypoxia, overfishing, habitat destruction) and solutions to restore the ocean, planet and people (marine reserves, sustainable fisheries and aquaculture, marine spatial planning). In recognition of her scientific contributions, she is an elected member of the National Academy of Sciences; the American Academy of Arts and Sciences; the American Philosophical Society; the Royal Society; The World Academy of Science; and the Chilean Academy of Science. She has served as President of the American Association for the Advancement of Science (AAAS), the International Council for Science (ICSU), and the Ecological Society of America.

Lubchenco has received numerous awards recognizing her innovative science, effective leadership, policy and management accomplishments and public outreach, including a MacArthur Fellowship, 20 honorary doctorates, the Heinz Award for the Environment, the Peter Benchley Ocean Award for Excellence in Policy, the Blue Planet Prize, The World Academy of Sciences Medal, the Tyler Prize for Environmental Achievement, and the most prestigious award given by the National Academy of Sciences, the Public Welfare Medal. And for her public service, she received the highest honor the Coast Guard gives to a civilian, the U. S. Coast Guard Public Service Award.

Lubchenco has led numerous efforts to advance scientific knowledge of a range of topics including climate change, biodiversity, conservation, sustainable fisheries, sustainable aquaculture, hypoxia, ocean acidification and a healthy ocean. She co-founded a pioneering research consortium, **PISCO**, that studies the near-shore ocean along the coasts of Oregon and California and resulted in significant advancement in knowledge as well as improved public awareness and management.

Lubchenco has been in the forefront of sustained efforts to inspire, incentivize and enable scientists to serve society by being more engaged with citizens and leaders. Lubchenco's 1997-1998 call to scientists to rethink their Social Contract <http://science.sciencemag.org/content/279/5350/491.full> helped initiate a renewed focus on scientists' obligation to society to not only discover knowledge and train future scientists, but to share their knowledge more broadly and engage more fully with society, listening and helping develop solutions to urgent societal problems. She co-founded three non-profit, non-advocacy organizations that enhance scientific communication and engagement with the public, policy makers, media and industry. The **Leopold Leadership Program** trains mid-career academic environmental scientists to be effective leaders and communicators. **COMPASS** enables scientist to engage effectively in the public discourse about the

environment through communication trainings, coaching and networking. **Climate Central** researches and reports the science and impacts of climate change. Each of these three start-ups is now a thriving organization that is enabling science and scientists to better serve society. These efforts are now even more relevant in our post-truth world (<http://onlinelibrary.wiley.com/doi/10.1002/fee.1454/full> ; <http://bit.ly/2toDuUo>)

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