

The Honorable Dr. JANE LUBCHENCO

Curriculum Vitae

**University Distinguished Professor and Advisor in Marine Studies
Oregon State University**

Recent Positions:

Mimi and Peter Haas Distinguished Visitor in Public Service and Visiting Fellow,

Center for Ocean Solutions, Stanford University, March-June 2013 (on leave from OSU)

Under Secretary of Commerce for Oceans and Atmosphere and Administrator of the National

Oceanic and Atmospheric Administration (NOAA), March 20, 2009 to February 27, 2013; (on leave from OSU). Nominated by Barak Obama December 20, 2008; confirmed by U.S. Senate March 19, 2009, resigned February 27, 2013.

***Education:* B.A.** 1969, Colorado College (Biology; Ford Foundation Independent Study Program);

M.S. 1971, University of Washington (Zoology); **Ph.D.** 1975, Harvard University (Ecology).

Previous Positions:

Assistant Professor, 1975-1977, Harvard University.

Assistant Professor 1977-1982, **Associate Professor** 1982-88, Oregon State University (OSU).

Research Associate, Smithsonian Institution, 1978-1984.

Professor 1988-2009; **Chair**, Department of Zoology 1989-92; **Distinguished Professor** 1993-2009, OSU (2009-2013 on leave while serving as NOAA Administrator), 2013-present.

N.B.: From 1977-1989, Dr. Lubchenco worked part-time, by choice, so she could spend more time with her two young sons. She held a 0.5 FTE tenure-track, then tenured appointment for ten years, followed by a 0.75 FTE appointment for two years; in 1989, she returned to full-time.

Wayne and Gladys Valley Professor of Marine Biology 1995-2009, 2013-2014, OSU.

University Distinguished Professor and Advisor in Marine Studies 2014-present, OSU.

Visiting Professor: University of the West Indies, Kingston, Jamaica, 1976; Smithsonian Tropical Research Institute, Panama, 1975-1984; Universidad Catolica, Santiago, Chile, 1986; Institute of Oceanography, Academica Sinica, Qingdao, P.R. China, 1987; University of Canterbury, Christchurch, New Zealand, 1994-95, 1999-2000, 2002-2003.

National Science Board, member 1996-2000, 2000-2006, twice nominated by President William Jefferson Clinton and twice confirmed by the U.S. Senate.

Interests/Expertise:

Science, the environment, climate and other global changes and human well-being; social responsibilities of scientists; sustainability science; biodiversity and conservation biology; communication of science to the public, private sector, and policy makers; state of the oceans, rocky intertidal shores, and coastal upwelling ecosystems; ecosystem services; marine reserves; hypoxia ('dead zones'); evolutionary community ecology; plant-herbivore interactions; biogeography; mollusks; echinoderms; seaweeds.

AWARDS and HONORS part 1: *Honorary Societies* (3 national, 4 international; year elected, history, size)

- **American Academy of Arts and Sciences**, 1993; founded 1780 by John Adams, John Hancock et al.; around 4,000 members.
- **National Academy of Sciences**, 1996; founded 1863, charter signed by President Abraham Lincoln; about 2000 members.

- **American Philosophical Society**, 1998; founded 1743 by Benjamin Franklin et al.; around 1,000 members.
- **European Academy of Sciences**, 2002-2014; founded 1990; ca 1500 members; resigned 2014.
- **The Royal Society**, Foreign Member, 2004; founded 1660 by Christopher Wren et al.; around 1450 members.
- **The World Academy of Sciences (TWAS)**, 2004; founded by Abdus Salam ‘to advance science and engineering for sustainable prosperity in the developing world’; around 1100 members, around 90% of whom live and work in developing countries.
- **Academia Chilena de Ciencias (Chilean Academy of Sciences)**, Corresponding Member, 2007; founded 1964; 39 members, 48 corresponding (foreign) members.

AWARDS and HONORS part 2: *Honorary Doctoral Degrees (19):*

Drexel University, 1992; Colorado College, 1993; Bates College, 1997; Unity College, 1998; Southampton College, Long Island University, 1999; Princeton University, 2001; Plymouth State College, 2002; Michigan State University, 2003; Georgetown University, 2008; Augsburg College, 2009; Dartmouth College, 2009; University of Copenhagen, Denmark, 2009; Loyola University New Orleans, 2011; State University of New York (SUNY) Stony Brook University, 2011; Western Washington University 2011; University of South Carolina, 2012; University of Puget Sound, 2012; Yale University, 2012; Rutgers University, 2013.

AWARDS and HONORS part 3: *Recognition from Professional Scientific Societies*

- 1979: George Mercer Award, Ecological Society of America, (co-recipient Bruce A. Menge);**
outstanding paper published anywhere in the world by a young ecologist
- 1987: National Lecturer, Psychological Society of America, 1987-89**
- 1990: Fellow, American Association for the Advancement of Science Fellow**
- 1997: AWIS Fellow, Association for Women in Science**
- 1997: Distinguished Service Award, Ecological Society of America**
- 2001: Honorary Member for Life, British Ecological Society**
- 2002: Leadership Citation, Council for Scientific Society Presidents**
- 2003: Distinguished Service Award, Society for Conservation Biology**
- 2004: Distinguished Scientist Award, American Institute of Biological Sciences**
- 2005: Public Understanding of Science and Technology Award, American Association for the Advancement of Science (the first woman to receive this award)**
- 2006: Centennial Award, Botanical Society of America, for exemplary service to the plant sciences**
- 2012: Presidential Citation for Science and Society, American Geophysical Union, 1 of 3**
inaugural awardees (other recipients: Senator Olympia Snowe and Google Earth); ‘celebrates leaders whose work has advanced understanding and appreciation of the value of Earth and space science.’
- 2012: Inaugural Fellow of the Ecological Society of America**
- 2013: Honorary Lifetime Member, American Society of Naturalists. (The total number of living Fellows is limited to 12.)**

AWARDS and HONORS part 4: *Major Awards and Other Honors*

Cumulative: 8 ‘Science Citation Classics’ or ‘Top 0.25%’ Papers, ISI (Institute for Scientific Information) Current Contents

- 1986: Outstanding Teacher Award, OSU Alpha Lambda Delta (freshman honor society)**
- 1992: Pew Scholar in Conservation and the Environment, Pew Charitable Trusts, 1992-1995**

- 1993: Distinguished Professor**, Oregon State University, 1993-present
- 1993: MacArthur Fellow**, John D. and Catherine T. MacArthur Foundation, 1993-1998
- 1994: Oregon Scientist of the Year**, Oregon Academy of Science
- 1994: Golden Eagle Award**, Council for International Nontheatrical Events (CINE), Washington, D.C. (for National Geographic film *Diversity of Life*), co-recipients James and Elaine Larison
- 1998: Honorary Member**, Golden Key National Honor Society, OSU
- 1998: National Conservation Award**, Daughters of the American Revolution
- 1998: Founder's Education Award**, Daughters of the American Revolution
- 1998: Sustained Achievement Award**, Renewable Natural Resources Foundation
- 1999: David B. Stone Award**, New England Aquarium
- 1999: Howard Vollum Award**, Reed College
- 2001: Golden Plate Award**, The American Academy of Achievement
- 2002: Ed Ricketts Memorial Award**; Monterey Bay National Marine Sanctuary
- 2002: The Heinz Award for the Environment**, Heinz Family Foundation
- 2002: Outstanding Woman Scientist**, *Discover Magazine*, November
- 2003: ISI Highly Cited Researcher in Ecology/Environment**
- 2003: Distinguished Alumna Award**, College of Arts and Sciences, University of Washington
- 2003: Nierenberg Prize for Science in the Public Interest**, Scripps Institution of Oceanography
- 2004: Environmental Law Institute Award** (the first scientist to receive this honor)
- 2006: Gilfillan Award, OSU College of Science**, for distinguished scholarship in science
- 2007: Beijer Fellow**, Royal Swedish Academy of Sciences' Beijer Institute of Ecological Economics
- 2008: The Zayed International Prize for the Environment**, for Scientific and Technological Achievements, Dubai, United Arab Emirates
- 2010: Peter Benchley Ocean Award for Excellence in Policy**, Blue Frontier
- 2010: Coastal Hero Award**, *Sunset Magazine*, for 'amazing work in protecting and preserving the West's greatest treasures, the Pacific Ocean and its thousands of miles of shoreline'
- 2010: Nature Magazine's Newsmaker of the Year**, cover photo and feature article on activities during 2010
- 2011: Public Understanding of Science Award, The Exploratorium**, San Francisco
- 2011: Alumna Summa Laude Dignata**, University of Washington; the highest award the University can bestow on one of its graduates
- 2011: Achievement Award**, D.C. Vermont Law School Alumni Association
- 2011: Blue Planet Prize**, Asahi Glass Foundation, Tokyo, Japan
- 2011: Department of Commerce Gold Medal Award to NOAA** for extraordinary service during the Deepwater Horizon Oil Spill
- 2011: Woman of Achievement Award**, Oregon Commission for Women
- 2012: Woman of the Year Award, Women's Council on Energy and the Environment**
- 2012: U.S. Coast Guard Academy Hedrick Fellow**, Coast Guard Foundation, 'honors citizens whose distinguished public service shaped the course of our nation'; 'brings world-renown political, military and industry leaders to the Coast Guard Academy to share their wisdom with cadets.'
- 2012: National Portrait Project**, video portrait by Lincoln Schatz of contemporary American leadership and innovation; opened December 2012 at the Smithsonian National Portrait Gallery.
- 2012: Women in Science and Technology Hall of Fame, inductee**, Women in Science and Technology International (WITI) Foundation, 'to recognize, celebrate and publicize women's exceptional contributions to science and technology'.
- 2012: Inaugural Ocean Hero, Sailors for the Sea** (along with Charlie Rose and Sir Russell Coutts).

- 2013: Distinguished Public Service Award, U.S. Coast Guard.** (The highest award the Coast Guard gives to a civilian.) ‘...for her extraordinary vision, leadership and commitment to maritime stewardship...’
- 2013: Lifetime Achievement Award, National Marine Sanctuaries Foundation.**
- 2013: Frontiers of Knowledge Award in Ecology and Conservation Biology, BBVA Foundation,** ‘for experimentally characterizing marine ecosystems and providing the science behind the design of protected areas’.
- 2013: Prince Albert II of Monaco Foundation, Climate Change Award**
- 2013: Stroud Award for Freshwater Excellence,** Stroud Water Research Center
- 2014: TWAS Medal,** every year The World Academy of Sciences (TWAS) ‘honors three of its members for their achievements in their fields of research’.
- 2014: Seattle Aquarium Medal,** ‘for leadership and longstanding commitment to issues facing the environment, oceans and our climate, and for inspiring many, especially the next generation.
- 2014: NatureServe Conservation Award,** ‘for steadfast commitment to science as an instrument of public policy and understanding’.

Major Elected Offices Held (reverse chronological order):

International Council for Science (ICSU), Past-President 2005-2007, President 2002-2005, President-Elect 1999-02;

National Academy of Sciences, elected to Council 1999-2002, Executive Committee 2000-2002;

American Association for the Advancement of Science, President-Elect, President, Chair of Board of Directors 1995-98;

Ecological Society of America: Vice-President, President-Elect, President, Past President 1988-94;

ICSU’s Scientific Committee on Problems of the Environment, SCOPE, Executive Committee, 1992-95.

Editorial Boards: (Lubchenco resigned from all editorial boards when she became NOAA Administrator in 2009 to avoid any real or perceived conflicts of interest.)

American Naturalist, 1978-81; ***Oecologia***, 1985-88; ***Journal of Phycology***, 1987-90; ***Ecological Applications***, 1989-93; ***The Northwest Environmental Journal***, 1991-93; ***Trends in Ecology & Evolution***, 1991-2006; ***Conservation Ecology***, 1995-2001; ***Issues in Ecology***, 1995-2002, 2003-2005; ***Ecosystems***, 1997-99; ***Environmental Conservation***, 1998-99; Advisory Editor, ***Ecological Studies***, Springer-Verlag, 1993-2000; Associate Editor, ***Encyclopedia of Biodiversity***, Academic Press, 1997-2000; International Advisory Board, ***Encyclopedia of Global Environmental Change***, Wiley, 1998-2001; Editor for ***Special Issue on Marine Reserves, Ecological Applications***, 1999-2002; *Ad hoc* Editor, ***Proceedings of the National Academy of Sciences***, 1998-2009; ***Frontiers in Ecology***, Advisory Board, 2001-2004; ***Human-Environment Interactions*** (U. Michigan book series), 2003-2009; ***Faculty of 1000***, 1 of 3 Inaugural Heads of Faculty for Ecology and Evolution, 2003-2009; ***Marine Ecosystems and Management***, 2007-2009.

Accomplishments as Under Secretary of Commerce for Oceans and Atmosphere and Administrator of the National Oceanic and Atmospheric Administration (NOAA). Lubchenco was nominated for the position by President-Elect Barak Obama in mid December 2008 as part of his ‘Science Team’; was confirmed by the U.S. Senate March 19, 2009; and sworn in on March 20. After nearly 4 years in office, she submitted her resignation to President Obama, effective February 27, 2013. During her tenure, NOAA employed around 12,800 federal employees and had a budget that went from \$3.9B (the year before Lubchenco became Administrator) to \$5.3B (the last budget she led, enacted for FY2014). NOAA is a diverse science agency that includes the National Weather Service (earth and space weather

and tsunami warnings), National Marine Fisheries Service, National Ocean Service, National Marine Sanctuaries program, Climate and Ocean Acidification Research Programs, Coastal Zone Management Program and it operates the Nation's environmental satellites, coordinates the US Global Change Research Program, and is responsible for implementing the Endangered Species Act for marine species and the Marine Mammal Protection Act, overseeing responses to marine debris and providing the science to underpin response to oil spills and much, much more.

Mission: Lubchenco brought a strategic focus to NOAA's diverse mission of science, service and stewardship of oceans and the atmosphere. Under her leadership, NOAA focused on restoring fisheries to sustainability and profitability, restoring oceans and coasts to a healthy state, ensuring continuity of the nation's weather and environmental satellites, developing a Weather-Ready Nation, promoting climate and ocean acidification science and delivering quality climate products, strengthening science and ensuring scientific integrity at NOAA, and delivering the highest quality science, services and stewardship possible. Healthy oceans and coasts and a nation prepared for severe weather, disasters and climate change are keys to economic recovery and prosperity as well as a strong democracy.

Budget: Following 4 years of flat budgets at \$3.9 Billion [through Fiscal Year (FY) 2008], under Lubchenco's leadership NOAA's budgets rose substantially, enabling more effective accomplishment of NOAA's mission: FY 2009 \$4.4B enacted; FY 2010 \$4.7B enacted; FY 2011 \$4.6B enacted; FY 2012 \$4.9B enacted; FY 2013 \$4.7B spend plan under sequestration; FY 2014 \$5.3B enacted. Much work remains to be done to rebalance the portfolio and do justice to the breadth of NOAA's responsibilities.

Management: Under Lubchenco's leadership, NOAA streamlined regulations to save taxpayers time and money and improve efficiency; increased effectiveness and decreased costs of corporate services such as acquisitions and IT, for example by migrating communications systems to the cloud to enhance functionality, strengthen security and reduce costs.

Priority Areas:

Science: Under Lubchenco's leadership, science was strengthened at NOAA: the position of Chief Scientist (vacant for 16 years) was reestablished, the number of senior scientific career positions doubled, career paths for junior scientists strengthened, and the status of social sciences at NOAA enhanced. In addition, NOAA created its first Scientific Integrity Policy that among other things forbids distortion, manipulation, suppression or cherry-picking of science, and allows scientists to speak freely to the media about their findings. The Policy has been labeled 'the platinum standard' for agency scientific policies. Through workshops and a new Council of Fellows, scientists at NOAA have a stronger voice in setting scientific priorities of the agency.

Oceans/Coasts: NOAA helped design and implement the Nation's first-ever Ocean Policy. Established by Executive Order in June 2010, the policy's main message is that 'Healthy Oceans Matter.' The policy declares a responsibility for stewardship of the oceans, coasts and Great Lakes that relies on coordination across federal agencies, regional engagement, science and ecosystem-based management. NOAA sits on the National Ocean Council that implements the Policy. NOAA's ocean and coastal programs emphasize stewardship. The American Recovery and Reinvestment Act of 2009 provided \$167m for habitat restoration to NOAA. These funds enabled 50 projects that created jobs, restored critical habitat and will bring lasting environmental and economic benefit to the coastal communities where they occur.

Fisheries: After decades and decades of overfishing, NOAA turned the corner in ending overfishing in US federal waters, is rebuilding depleted stocks and returning fishing to profitability

through use of catch limits and accountability measures, as required by the revised Magnuson Stevens Act, and through use of catch shares that align conservation and economic incentives. Between 2001 and 2012, 32 fisheries were rebuilt, most of those in the last few years. One third of the fisheries managed in federal waters are now under catch share plans. Systemic problems with NOAA's law enforcement program have been corrected and regional fishery offices strengthened. NOAA now provides global leadership in addressing Illegal, Unregulated and Unreported (IUU) fishing and reforming regional fishery management organizations around the world. NOAA has a new Aquaculture Policy and launched a National Shellfish Initiative that focus on achieving sustainable aquaculture.

Climate: NOAA produced and supported world-class climate science, led federal agency efforts to develop the most ambitious national climate assessment ever, established regional climate centers, and developed a new generation of climate products that promote public understanding and support informed decision-making on mitigation and adaptation. For example, NOAA signed a Memorandum of Understanding with the Western Governors' Association to deliver climate services such as drought forecasts. NOAA tracked and disseminated information about climate patterns, most recently the 2012 State of the Climate report that concludes that 2012 was the hottest year on record for the lower 48 states in the U.S. As demands for NOAA climate data skyrocketed, NOAA created the climate.gov website that routinely receives around 40,000 unique visits per month, with >80,000 during high profile events; currently around 2,000TB of data are custom downloaded a year.

Satellites: A seriously flawed but essential weather satellite program was completely restructured to ensure the continuity of climate and weather observations from space, as long as adequate resources are provided by Congress in future years. Three NOAA satellites were successfully launched (GOES-14, GOES-15 and Suomi-NPP) and are delivering vital weather and other environmental data. Other NOAA satellite programs are positioned to provide vital environmental, search and rescue, and other key observations from space, pending funding decisions. These satellites directly support NOAA's weather, climate and ocean monitoring and operational forecasting missions.

Weather: NOAA consistently provided life-saving forecasts and warnings through a time of unprecedented extreme weather events. In 2009-2013, the US witnessed 770 major tornadoes, 70 Atlantic hurricanes or tropical storms, 6 major floods, 3 tsunamis, historic droughts, prolonged heat waves, and record snowfall and blizzards. In 2011 alone, every type of extreme weather occurred: historic floods, blizzards, tornadoes, wildfires, drought and hurricanes, with a record-setting 14 >\$1Billion disasters. 2012 brought 11 >\$1B disasters, including Super Storm Sandy and Hurricane Isaac. (Until recently, the average number of >\$1Billion disasters a year was 3-4.) NOAA's science strengthened the accuracy and lead time of warnings and undoubtedly saved countless lives. A new effort, Weather-Ready Nation, is designed to engage social scientists and help ensure that people know how to use timely warnings to stay safe. In March 2011, NOAA initiated the most significant enhancement to the nation's weather radar network since Doppler was established in the 1990s, upgrading 160 weather radar stations around the country with dual polarization technology.

BP/Deepwater Horizon Oil Spill: NOAA was intimately involved in the federal response to this disaster, leveraging its science, legal expertise and response capacity to provide oil spill trajectories and weather forecasts, inform response efforts, keep seafood safe, protect wildlife and habitats, assess damage and restore natural resources and the public's access to them. During the disaster, NOAA issued 150 3-day oil surface location forecasts, 30 loop current location graphics, >4,000 spot weather forecasts; documented 637 dead sea turtles and rescued, rehabilitated and eventually released 339 turtles; surveyed over 4,000 mi of shoreline; collected and analyzed >35,000 water and sediment samples; closed >88,000 mi² of federal waters (37%) in the Gulf; tested >4600 fish and shrimp samples to ensure seafood was safe to eat. NOAA's and other

agencies' scientific contributions to the disaster are detailed in a 2012 issue of the *Proceedings of the National Academy of Sciences*.

3/11/11 Tohōku Earthquake, Tsunami, Radiation and Marine Debris Disaster: NOAA integrated its assets across the agency to provide tsunami information to U.S. coastal communities; air and ocean plume modeling to help inform understanding of where radioactive material would go; modeling, tracking and community assistance in understanding and predicting where marine debris from the tsunami is located and will go; and assistance to coastal communities and states to prepare for and remove marine debris.

Protected Species: NOAA proposed for listing or listed 6 subspecies of ice seals and 66 species of corals, all of which are threatened or endangered by climate change and other factors. These new and proposed listings would more than double the number of ESA-listed species for which NOAA has responsibility. And we charted a stronger course for endangered species conservation in places like California's Central Valley and the Columbia River.

Arctic: NOAA developed an Arctic Vision and Strategy and created an Arctic Task Force to address environmental, social, economic and safety issues emerging in the fragile Arctic region, including mapping to support new safety, a precautionary fishery management plan, innovative research and data partnerships to improve science-based decision-making.

Communications: Under Lubchenco's leadership, NOAA embraced social media, employed crowd sourcing, and strengthened its communications approaches.

International Diplomacy: Lubchenco served as the Head of Delegation for the Presidential Delegation to Yeosu, South Korea for U.S. National Day at the 2012 World Expo, and as Head of the U.S. Delegation to the World Climate Conference in Geneva, 2009. In addition to numerous high-level meetings with leaders from other nations to create and strengthen international partnerships, she addressed the European Parliament Committee on Fisheries about their proposed reforms of the Common Fishery Policy, drawing on U.S. experiences with the Magnuson Stevens Act and catch shares.

Previous Primary Leadership Activities: (Lubchenco resigned from any ongoing activities when she became NOAA Administrator in 2009 to avoid any real or potential conflicts of interest.)

- **Aldo Leopold Leadership Program.** Co-founder and Chair 1993-2002. Advanced leadership and communication training program for academic environmental scientists; Co-Chair 2003-2006; Senior Advisor and Chair of Board of Advisors, 2006-2009. <www.leopoldleadership.org>
- **Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO).** Co-Founder and Lead Principle Investigator of 13 Co-PIs until 2009. PISCO is a collaborative effort to conduct long-term, large-scale, interdisciplinary research, teaching and outreach focused on the near-shore environment of the California Current Large Marine Ecosystem. With \$48 million in grants from the Packard and Moore Foundations, and an additional \$40 million in leveraged and complementary funds, this consortium of four universities (OSU, Stanford, UC Santa Barbara and UC Santa Cruz) is revolutionizing our understanding of the near-shore marine ecosystems along the coasts of Oregon and California (1999-2009) with fundamental advances in science. <<http://www.piscoweb.org>>
- **Communication Partnership for Science and the Sea (COMPASS),** Co-Founder, Principal and Chair. COMPASS is a consortium of academic scientists and communication experts who communicate marine ecosystem science to policy makers and the public. Marine reserves and ecosystem-based management were initial foci. (1999-2007). <<http://www.compassonline.org>>
- **Pew Oceans Commission,** Commissioner. Independent commission chaired by Christie Todd Whitman then Leon Panetta and funded by the Pew Charitable Trusts to evaluate US ocean policy (2000-2003.)

- **Joint Oceans Commission Initiative, Member.** The Joint Initiative is a merger of the Pew Oceans Commission (on which Lubchenco served) and the U.S. Commission on Ocean Policy. JOCI exists to promote adoption of the Commissions' recommendations to restore and sustain America's living oceans. (2005-2009) <<http://www.jointoceancommission.org/>>
- **International Council for Science (ICSU), Past President** (2006-2007), **President** (2002-2005). ICSU is the premier non-governmental organization representing science and scientists worldwide. Founded in 1931, ICSU's members include 106 multi-disciplinary National Scientific Members (national science academies or scientific research councils) and 28 international, disciplinary Scientific Unions. ICSU's committees, interdisciplinary bodies and joint initiatives conduct and oversee a diverse portfolio including international scientific assessments, major international research programs, capacity building programs and much more. Lubchenco was the first woman President. <<http://www.icsu.org/>>
- **Millennium Ecosystem Assessment (MA), Convening Lead Author** (Synthesis for Business and Industry) and **Lead Author** (Millennium Development Goals chapter), 2002-5. <<http://www.MAweb.org>>
- **Oregon Governor Ted Kulongoski's Advisory Group on Global Warming. Co-chair**, 2003-2005. The Governor is implementing all of this group's key recommendations of actions the state should take to reduce greenhouse gas emissions. <<http://oregon.gov/ENERGY/GBLWRM/Strategy.shtml>>
- **International Consortium for Research in Upwelling Marine Biogeographic Areas (ICORUMBA), 1 of 8 Principal Investigators**, 1992-2009. Researchers at 6 universities (OSU, University of California at Santa Barbara, Princeton, Universidad Catolica (Chile), University of Canterbury (New Zealand), and University of Cape Town (South Africa) conduct comparative studies of coastal marine upwelling ecosystems in the California, Humboldt, Benguela and Tasman Current Large Marine Ecosystems, with an emphasis on training graduate students and postdoctoral students. Core support is from the Andrew W. Mellon Foundation; over \$5 million over 14 years. <intertidalweb.org>
- **Climate Central, Co-Founder, Vice Chair and Secretary**, 2008. Climate Central is a not-for-profit, non-advocacy organization whose mission is to communicate the science of climate change to U.S. audiences in a manner that is understandable, relevant, credible and useful. CC will function through a distributed network of offices based in close proximity to academic institutions with significant climate expertise. The focus is on climate science, impacts and solutions.
- **Aspen Dialogue and Commission on Arctic Climate Change, Commissioner**, 2008-2010; convened by the Aspen Institute to examine the implications of climate change for the Arctic, assess the adequacy of current multilateral arrangements and scientific understanding to sustainably manage impacts in the region, and make recommendations for greater international cooperation in regulating human activities that affect the Arctic environment and it's peoples.
- **Science of Marine Reserves Project of PISCO, Team Leader**, 2007-2009; the team has provided scientific content for print, video and web communications about marine reserves. The most recent tools include a new layer of **Google Earth** on Marine Protected Areas, and a new web portal **ProtectPlanetOcean.org**, collaborative projects with Google and with IUCN, the International Union for the Conservation of Nature (www.piscoweb.org/outreach/pubs/reserves).

Advisory Services:

1. Boards of Directors or Trustees - Recent and Current (Lubchenco resigned from all but one board in 2009 when she became Administrator of NOAA to avoid any real or potential conflict of interest. Because the Smithsonian is partly governmental, government officials may serve on Smithsonian boards without conflicts.)

World Resources Institute, 1993-2000; **Environmental Defense Fund**, Trustee 1995-2009, 2013-2016, Science Advisory Committee, 1995-2009, 2014-2016; Co-chair of Oceans Committee, 1997-2009; Vice-Chair 2005-2009; Oceans Committee 2014-2016; Ecosystem Committee 2014-2016; **Monterey Bay Aquarium**, 1995-2007, Program Committee, 1995-2007; **Royal Swedish Academy of Sciences**, **Beijer Institute for Ecological Economics**, 1999-2004; **SeaWeb**, 2000-2007; **David and Lucile Packard Foundation** Trustee, 2001-2004, Trustee Emerita 2004-2009, Trustee 2013-2016; **Monterey Bay Aquarium Research Institute**, Trustee 2007-2009; **Smithsonian Institution's National Museum of Natural History**, Board of Advisors 2007-present; **The Nature Conservancy**, Director, 2013-present; **Union of Concerned Scientists**, 2014-present.

2. National Academies/National Research Council Appointments

NRC, **Biological Systems and Dynamics of Global Change**, working group, 1988; NRC, **Board on Environmental Studies and Toxicology (BEST)**, 1989-92, 1992-95; **BEST, Chair of Natural Resources and Applied Ecology Working Group II**, 1990-92, 1992-95; NRC, **Committee to Review Department of the Interior's Mineral Management Service's Outer Continental Shelf Environmental Studies Program**, liaison, BEST, 1989-92; **NAS, Panel on Adaptation, Policy Implications of Greenhouse Warming**, 1989-91; NRC, **Ecological Effects of Human Activity, Planning Meeting**, 1991; NRC, **Committee on Environmental Research**, 1991-93; NRC, **Ocean Studies Board, Workshop on Biodiversity in Marine Systems**, 1994; NRC, **Committee on Ecosystem Management and Sustainable Fisheries**, 1995-97; NRC, **Committee on Biodiversity Forum**, 1995-97; **NAS, Temporary Nominating Group on Global Change**, 1996; **NAS Committee on Creationism**, 1996; **NAS, delegate to Class Membership Committee**, 1997, 1998; NRC, **Ecosystem Panel**, 1997-1999; **NAS, Robertson Memorial Lecture, Selection Committee**, 1998; **NAS Committee on Class and Section Structure**, 1999-2001; **Sub-Committee, Earth, Environment, Agriculture and Resources**, 1999-2001; **NAS Development Committee**, 1999-2002; **NAS, Member of Council**, 1999-2002; **NAS Council Committee on Scientific Programs**, 1999-2002; **NAS Council Committee on Budget and Internal Affairs**, 1999-2002; **First Chair of newly created Section of Environmental Sciences and Ecology of NAS, Section 63**, 2000-2001; **NAS Executive Committee**, 2001, 2002; **NAS Committee on Sustainability Science**, 2002-2003; **NRC Committee on International Capacity Building for the Protection and Sustainable Use of Oceans and Coasts**, 2006-2007; **NAE Blue Ribbon Task Force on Grand Challenges for Engineering**, 2006-2007; **Section 63 delegate to Council Membership Committee**, 2007-2008; **NRC Ocean Studies Board Review Team member**, 2007-2008; **NRC Committee on Ecological Impacts of Climate Change**, 2008; **NRC Panel on Advancing the Science of Climate Change of the Committee on America's Climate Choices**, 2008-2009; **NAS Roundtable on Risk, Resilience, and Extreme Event**, member, 2014 to present.

3. National Science Board Appointments

Member 1996-2006: The NSB provides advice to the President, Congress and the Nation about science and technology and is the Board of Directors of the National Science Foundation. **Committee on Education and Human Resources**, 1996-1997; **Committee on Programs and Plans**, 1997-2006; **Task Force on the Environment**, Chair, 1998-2000; **International Task Force**, 2000-2002, 2005-2006; **Task Force on Science and Engineering Infrastructure**, 2001-2003; **Committee on Strategy and Budget**,

2001-2006; **Nominating Committee**, 2002; **Subcommittee on Polar Issues**, 2002-2006; **Nominating Committee**, 2006.

4. Advisory Boards and Panels – Past and Current (When she became Administrator of NOAA in 2009, Lubchenco resigned from all advisory boards to avoid any real or potential conflict of interest.)

White House Office of Science and Technology Policy, National Science and Technology Council's National Forum on Environment and Natural Resources R&D; Chair, Biodiversity and Ecosystem Dynamics Group, 1994; **United Nations Environment Programme (UNEP)**, Scientific and Technical Advisory Panel (STAP), Roster of Experts, 1993-2000; **Pew Fellows Program in Conservation and the Environment**, Advisory Committee, 1995-98; **Corvallis City Council**, Advisory Commission on Open Space, 1995-98; **Living On Earth**, PBS radio show, Scientific Advisory Board, 1997-2000; **National Marine Fisheries Service**, **Ecosystem Principles Advisory Panel**, 1997-2000; **President's Council of Advisors on Science and Technology (PCAST)**, **Committee on Biodiversity and Ecosystems**, 1997-1998; **Sea Studios Foundation**, *The Shape of Life* production, Advisory Board, 1997-2001; **Oregon State of the Environment Report**, Science Panel, 1998-1999; **Consultative Group on Biological Diversity**, Advisor's Forum, 1998; **Pacific Ocean Conservation Network**, Scientific Advisory Committee, 1997-98; **AAAS, Millennium Symposium**, AAAS and the American Bar Association, 1998-2000; **Science and Technology News Network**, Advisory Board, 1998-2009; **National Geographic Society's Sustainable Seas Expeditions**, Technical Advisory Committee, 1998-2001; **World Economic Forum, Davos**, Switzerland, 1998-2001, 2004-5; **Earth Day 2000** National Council, 1999-2000; **Ecotrust Council**, 1999-2009; **Forum on Religion and Ecology**, Advisory Board, 1999 – 2009; **International Biodiversity Observation Year**, Advisory Board, 2000-2002. **Center for Informal Learning and Schools**, collaboration among the Exploratorium, University of California Santa Cruz and Kings College London, 2001-2005; **Sea Studios Foundation**, *Strange Days on Planet Earth* production, Advisory Board, 2001-2006; **Doris Duke Charitable Foundation**, Advisory Committee 2002; **Vulcan** (Paul Allen's Organization), Advisor, 2000-2002; **University of Washington, Friday Harbor Laboratories**, Ten Year Review Committee, 2002; **University of Washington, Department of Biology**, Board of Visitors, 2002-2005; **University of Washington, Friday Harbor Laboratories Centennial Symposium Committee (Chair)**, 2003-2004; **Millennium Ecosystem Assessment (MA)**, Convening Lead Author, (Synthesis Chapter for Business and Industry) and Lead Author (Millennium Development Goals chapter), 2002-2005; **Governor of Oregon's Global Warming Advisory Group**, co-chair, 2003-2005; **The Ocean Foundation**, Board of Advisors, 2006-2009; **Duke University Nicholas Institute for Environmental Policy Solutions**, Board of Advisors, 2006-2009; **Stanford University Woods Institute for the Environment**, Board of Advisors, 2006-2009; **World Commission on Protected Areas**, Marine, Senior Advisory Panel, 2006-2009; **Google Ocean** Council of Advisors, 2007-2009; **Sailors for the Sea**, Science Advisory Committee, 2008-2009; **Environmental Law Institute 40th Anniversary Committee**, 2008-2009; **Aldo Leopold Foundation**, Advisory Council, 2008-2009; **The Natural History Network**, Advisory Council, 2008-2009. **Leonardo DiCaprio Foundation** Advisory Committee, 2013-present; **Union of Concerned Scientists Center for Science and Democracy**, Inaugural Steering Committee, 2013-2014; **X-Prize Foundation Energy and Environment** Advisory Committee 2013-present; **Department of Global Ecology, Carnegie Institution**, Advisory Committee, 2013-present; **MomentUs Leadership Council**, 2013-present; **Georgetown University Environmental Initiative**, Advisory Committee 2013-present.

5. Selection Committees – Recent Past and Current:

Pew Fellows in Marine Conservation 1995-98; **Aldo Leopold Leadership Program** 1998-2008; **David and Lucile Packard Foundation**, Interdisciplinary Science Program, 1998-2001; **James S.**

McDonnell Centennial Fellowships, Selection Committee for Global and Complex Systems Fellows, 1997-99; **American Association for the Advancement of Science**, *Science* Editor-in-Chief, 1999-2000; **Ecological Society of America**, Nominating Committee, 2001-2002; **John B. Oakes Award for Distinguished Environmental Journalism**, 1999-2004; **Smithsonian Institution Natural History Museum Sant Chair in Marine Science**, 2005-2006; **AAAS Committee on Nominations**, 2007, 2008; Chair of Nominating Committee for **National Science Foundation's Head of GEO Directorate**, 2007; **Peter Benchley Ocean Awards**, Selection Committee, 2013-present.

6. International Council for Science (ICSU) Past:

U.S. Delegate to **International Council for Scientific Unions XXV General Assembly**, Washington, D.C., 1996; U.S. Delegate to **First World Conference on Science**, Budapest, June-July 1999; U.S. National Academy of Sciences Delegate to **International Council for Science, XXVI General Assembly**, Cairo, 1999; **President Elect** 1999-2002; **ICSU Committee on Scientific Programs and Review**, 2000-2002; **ICSU Executive Board** 2002-2007; **ICSU XXVII General Assembly**, as President-Elect and Chair of Forum on Sustainability Science, Rio de Janeiro, 2002; **President** 2002-2005; **Third World Academy of Sciences 20th Anniversary**, delivered Opening Remarks, Beijing PRC; **Inter-Academy Panel** meeting, Mexico City, 2003; **UN World Summit on the Information Society**, address to plenary session, Geneva, Switzerland, 2003; **United Nations, Commission on Sustainable Development**, testimony to Ministers, New York, 2004; **European Science Foundation**, plenary address, Strasbourg, France, 2004; **Third World Academy of Sciences 15th General Meeting**, Trieste, Italy 2004; Keynote Address for **Inauguration Ceremony for ICSU's Regional Office for Africa** – the first of four Regional Offices in development worldwide, Pretoria, S.A. 2005; Chair of **Nominating Committee**, 2005; Chair of **Executive Board and Strategic Plan for ICSU 2006-2012**; **Chair of XXVIII General Assembly of ICSU**, Shanghai and Suzhou, China, Oct 2005; Past President, 2005-2007; Keynote Speaker for **75th Anniversary Celebration**, Paris, 2006; Chair, Press Conference for Global Launch of ICSU's and World Monitoring Organization's **International Polar Year**, March 2007.

7. International Committees (apart from ICSU) – Recent Past and Current:

Global Biodiversity Assessment, United Nations Environment Programme, Biodiversity and Ecosystem Functioning, section co-coordinator, 1993-1995; **Revelation and Environment 95-1995** (an international dialogue among religious leaders, politicians, community leaders, artists and scientists to promote stewardship of the environment), Scientific Steering Committee, 1995-1996; **Religion, Science and the Environment II: The Black Sea as a Paradigm**, Executive Chair of Scientific and Religious Steering Committee, 1996-1998; **Religion, Science and the Environment III: The Danube**, Scientific and Religious Steering Committee, 1998-2000; **UNESCO (United Nations Educational, Scientific, and Cultural Organization)**, Scientific Advisory Board, 1996-1999; **OECD Megascience Forum**, Biodiversity Working Group, 1998; **Royal Swedish Academy of Sciences Beijer Institute**, Askö meetings, Valuing Ecosystem Services, 1998; Evolution and Culture 1999; Inclusive Wealth, 2001; Uncertainty in Science 2002; **Millennium Ecosystem Assessment Project**, Steering Committee, 1998-2000; U.S. delegate to **First World Conference on Science**, Budapest, June-July 1999; **Global Environmental Change/Open Science Conference**, Amsterdam, 2001; **Religion, Science and the Environment IV: The Adriatic**, Honorary Committee, 2001-2003; **NSB Review Team**, Antarctic Research Program, 2000; **Environmental Defense Marine Protected Area visiting committee**, Cuba, 2002; **Science in Kruger National Park**, Synthesis Team, South Africa, 2002; **Religion, Science and the Environment V: The Baltic**, Honorary Committee 2002-2003; **Inter-Academy Panel**, *ex officio* member, 2002-2005; **Millennium Ecosystem Assessment**, Convening Lead Author: Private Sector Synthesis Report; Lead Author: Millennium Development

Goals Chapter; **Religion, Science and the Environment VI: The Caspian Sea**, Honorary Committee, 2004-2005; **Religion, Science and the Environment VII: The Amazon Basin**, Honorary Committee, 2005-2006; Steering Committee for **International Union of Biological Sciences (IUBS)**'s 29th Conference and General Assembly, 2007, Washington DC; **World Life Sciences Forum BioVision**, Science Chair for Environment for March 2007 Forum, 2006-2007; **Third World Academy of Sciences Membership Advisory Committee in Systems Biology**, 2007-2009; **Religion, Science and the Environment VIII: The Arctic**, Honorary Committee, 2007; **International Marine Conservation Congress 2009**, Steering Committee, 2007-2009; **European Project on Ocean Acidification**, Reference User Group Member, 2008; **Arctic TRANSFORM: Transatlantic Policy Options for Supporting Adaptations in the Marine Arctic**, expert working group member, European Commission-funded, EU-US transatlantic dialogue, 2008-9; **Inclusive Wealth Center**, Science Advisory Committee, 2013-present; **World Bank's Global Partnership for Oceans, Blue Ribbon Panel**, 2013-present; **UN Sustainable Development Solutions Network**, advisory body to the UN Secretary General.

Named Lectures (partial listing)

Duke University, Henry J. Oosting Memorial Lecture, 199; **MIT, Inaugural Henry Kendall Lecture**; **Stony Brook University, Larry Slobodkin Lecture**; **Amherst College, Geller Lecture** 2011; **National Academy of Sciences, Roger Revelle Lecture**, 2011; **University of California at Davis, Storer Lecture** 2011, **Princeton University, Frank Taplin Lecture** 2012, **Rice University, Rorschach Memorial Lecture**, 2013; **Senator George J. Mitchell Lecture**, University of Maine, 2013; **Irving-Scholander Lecture**, University of Alaska, Fairbanks, 2014; **Edwin Way Teale Lecture**, University of Connecticut, 2014; **Aldo Leopold Lecture**, University of Wisconsin, Madison, 2014.

Some Public Service Contributions, especially the Communication of Science – 1995-2008

A selection of videos, films, televised or nationally published interviews and articles, not including local and regional media interviews or profiles; not including public lectures (see next section):

- 1995 **Briefing:** for Newt Gingrich, Speaker, U.S House of Representatives, on biodiversity, for 2 hours, in Atlanta, 27 January
- 1995 **Testimony:** U. S. Senate Subcommittee on Drinking Water, Fisheries and Wildlife; on reauthorization of the Endangered Species Act, July 13.
- 1996 **Film:** *Keeping the Earth* (produced for the Union of Concerned Scientists by New Wrinkle, Inc., in cooperation with the National Religious Partnership for the Environment); interview of J. Lubchenco in film.
- 1996 **Exhibits and videos:** at Hatfield Marine Science Center, Newport, OR, by New England Technology Group; on rocky intertidal research findings, including biodiversity and coastal communities; J. Lubchenco was scientific advisor and interviewee.
- 1997-98 **Film:** *"The Shape of Life"*, 6 hour-long PBS series on the relationship between shape and function in living organisms; Scientific Advisory Committee, Sea Studios Foundation.
- 1997 **Briefing:** President Bill Clinton and Vice President Al Gore; on climate change.
- 1997 **Video:** of briefing for President William Jefferson Clinton and Vice President Al Gore on climate change, East Room, White House.
- 1997 **Testimony:** U.S. House of Representatives Subcommittee on Fisheries Conservation, Wildlife and Oceans; regarding the Year of the Ocean; Oct 30.
- 1997 **28 Radio and television interviews:** public and commercial; local, national and international stations; taped, filmed, and call-in, live; 5 minutes to 1 hour; on climate change and environmental issues around the world.

- 1997 **Testimony:** U.S. House of Representatives Subcommittee on Fisheries Conservation, Wildlife, and Oceans on National Marine Sanctuaries; May 6.
- 1997 **Profile:** Christian Science Monitor's occasional series on Outstanding Americans, 15 August.
- 1997 **Briefings:** His All Holiness Bartholomew I, Ecumenical Patriarch of the (Christian) Orthodox Church and leaders of other religions; status of the world's oceans, climate change and biodiversity; 10 days, September.
- 1998 **Briefing:** Newt Gingrich, Speaker of U.S. House of Representatives, on climate change, 2 ½ hours, Atlanta, GA, 20 April.
- 1998 **Briefing:** President William Jefferson Clinton, First Lady Hillary Rodham Clinton and Vice President Al Gore, on ocean issues, 1 hour, Monterey, CA, 12 June.
- 1998 **Video:** Interviewed (as Chair of Scientific and Religious Steering Committee) in *Black Sea - Voyage of Healing*, produced by Harvey McKinnon and Peter Davis, Villon Films, Vancouver, BC, 55 min. 1999.
- 1999 **Profile:** in *The Door in the Dream: Conversations with Eminent Women in Science*, Elga Wasserman, Joseph Henry Press, 300 p. (published interview).
- 1999 **Video:** Featured in *Generation to Generation: The story of Climate Change and Oregon*, produced by Odyssey Productions for the Oregon Office of Energy, 8 min.
- 1999 **Popular Article: interview of Lubchenco:** by Tont, Sargun A. in GEZI National Geographic Traveler (Turkish), March 2(18): 20-24.
- 1999 **Training:** Trained 20 new Aldo Leopold Leadership Fellows to be effective communicators of their scientific information (2 weeks).
- 2000 **Briefing:** Marine Protected Area and Marine Reserves along the West Coast; two days, for Academic scientists, government agency and nongovernmental organization staff, Monterey, CA.
- 2000 **Training:** Trained 19 new Aldo Leopold Leadership Fellows to be effective communicators of their scientific information (2 weeks).
- 2001 **Public Community Forum:** "Marine Biodiversity in Oregon" for Biodiversity Roundtable, Corvallis, OR; speaker.
- 2001 **Briefing:** "The Scientific Consensus on Marine Reserves" to the Oregon Policy Advisory Council, Corvallis, OR; speaker.
- 2001 **Film:** IMAX film *Lost Worlds* on Biodiversity; advisory committee.
- 2001 **Film:** *Empty Oceans, Empty Nets*. PBS/Habitat Media, Steve Cowan & Barry Schienberg, producers, televised presentation about ocean fisheries, interviewee.
- 2001 **Training:** Trained 20 new Aldo Leopold Leadership Fellows to be effective communicators of their scientific information (2 weeks).
- 2002 **Oral Presentation:** "Environment and Human Health" to the Consultative Group on Biological Diversity, Washington, D.C.
- 2002 **Briefing:** "The Science of Marine Protected Areas and Marine Reserves", two days, Monterey, CA, for high-level decision makers in state and federal government agencies, organized by COMPASS.
- 2002 **Roundtable:** between NAS Scientists, and White House and Federal Agency Staff on Sustainability Science.
- 2002 **Profile:** Jane Lubchenco named "1 of 50 Most Important Women in Science": *Discover Magazine*, November, Vol. 23, No. 11: 52-57.
- 2002 **Profile:** Interview with Jane Lubchenco. "Ocean Advocate" by Monica Michael Willis, *Country Living Magazine*: July, Vol. 25, No. 7:30.
- 2002 **Popular Article:** Interview with Jane Lubchenco. "State of the Planet: A Global Report Card" by Mike Klesius, in *National Geographic Magazine*: September, pp: 104-115.

- 2002 **Briefing:** “The Science of Marine Reserves” for Oregon media. Corvallis, OR.
- 2002 **Popular Article:** by Jane Lubchenco. “Lessons from the Land for Protection in the Sea: The Need for a New Ocean Ethic.” With Renee Davis-Born and Brooke Simler; *Open Spaces-Views from the Northwest*, Vol. 5:10-19.
- 2002 **Inaugural Guest Lecture:** to News Staff, Oregonian Newspaper, Portland, OR.
- 2002 **Profile:** *Career World Magazine* for students 7-12. 31(3).
- 2002 **Press Conference:** As new President of ICSU, results of scientific input into and follow-up actions to World Summit on Sustainability Development.
- 2002 **Oral Presentation:** “The Science of Marine Reserves” to Board of Directors of Conservation International, Seattle, WA.
- 2002 **Booklet: PISCO’s Coastal Connections**, Volume 1, highlighting new scientific findings from the PISCO team.
- 2003 **Training:** Trained 30 Aldo Leopold Leadership Fellows in advanced communication techniques (1 week).
- 2003 **Radio Interview:** “*Voice of America*” on PISCO new research, 30 minutes.
- 2003 **Press Briefing:** To 30 national and international reporters at the annual AAAS meeting, on new discoveries about coastal oceans.
- 2003 **Seminar:** Norm Thompson Outfitters, on climate change and sustainability.
- 2003 **Seminar:** Nike, Inc., on climate change.
- 2003 **TV, Radio and Print Interviews:** >30 on Pew Oceans Commission report.
- 2003 **Congressional Briefing:** on oceans and U.S. national security, Aspen Institute, Rome.
- 2003 **National Press Conference**, Pew Oceans Commission Report to the Nation, National Press Club, Washington DC, televised nationally.
- 2003 **National Press Conference**, U.S. Capitol, Members of Congress commenting on the Pew Oceans Commission report.
- 2003 **TV Special:** *Oregon Field Guide*, Oregon Public Broadcasting, features natural history of Oregon’s rocky shores.
- 2003 **Oral Presentation:** Capitol Hill Oceans Week, Washington DC, for panel on Marine Protected Areas and Marine Reserves.
- 2003 **Booklet: PISCO’s Coastal Connections**, Volume 2, highlighting new scientific findings from the PISCO team.
- 2003 **Profile:** Portland *Oregonian*, Sunday paper, pages 1, 8, & 9.
- 2003 **Opening Remarks:** Third World Academy of Sciences 20th Anniversary Celebration, Beijing, with the President of the People’s Republic of China, Hu Jintao.
- 2003 **Interview - NPR Radio:** The Steve Scher Show, 1 hour, call-in; Seattle; with William Ruckelshaus on the Pew Oceans Commission and the U.S. National Oceans Commission reports.
- 2003 **Interview: KING TV:** Seattle, WA, on Puget Sound as a microcosm of global ocean challenges.
- 2003 **Address to UN World Summit on the Information Society:** plenary session, Geneva, on the role of science in the information society.
- 2004 **TV Film:** *National Geographic's Strange Days on Planet Earth*, a 4-part PBS, NGS special feature; partnership between Sea Studios, PBS/National Geographic Society and Vulcan; scientific advisory board; aired on PBS in 2005.
- 2004 **TV Film:** *Farming the Seas*, PBS/Habitat Media Documentary Film, Steve Cowan producer; interviewee.
- 2004 **Oral Presentation:** Rotary Club of Corvallis, April; sustainability.

- 2004 **Address to the United Nations Commission on Sustainable Development-12, High Level Ministerial Segment**, on the role of science in enhancing sustainable development with particular attention to freshwater, sanitation and human settlements; New York, April.
- 2004 **Written Evaluation of U.S. Commission on Ocean Policy draft report** prepared for the Governor of Oregon, from the Marine Scientific Advisory Panel.
- 2004 **Environmental Grant-Makers Association**, keynote speaker, Kaua'i, Hawai'i.
- 2004 **Training:** Trained 20 new Aldo Leopold Leadership Fellows to be effective communicators of their scientific information (2 weeks).
- 2004 **Booklet: PISCO's Coastal Connections**, Volume 3, highlighting new scientific findings from the PISCO team.
- 2005 **Interview:** *Common Ground: Oregon's Ocean*, 30 min film produced by Green Fire Productions on the state of the ocean ecosystem off Oregon and the merits of establishing a network of marine reserves to protect them.
- 2005 **Interview:** National Academies *InterViews* Project. Distinguished scientists talk about their research, why they became scientists and other aspects of their careers.
<http://www.nationalacademies.org/interviews/people/lubchenco.html>.
- 2005 **Testimony:** Oregon State Senate Land Use and Environment Committee concerning recommendations from the OR Governor's Advisory Group on Global Warming. March 25.
- 2005 **Press Briefing:** Millennium Ecosystem Assessment, launch of the MA for North American audiences. Washington DC.
- 2005 **Testimony:** Portland City Council, on climate change, invited, June 8.
- 2005 **Interviews:** Los Angeles Times, New York Times, National Public Radio, etc. on aquaculture, May and June.
- 2005 **Interviews on oceans and climate change: Print:** *GeoTimes; LA Times; New York Times; National Geographic*; **Broadcast:** KPSA, San Francisco; Premier Radio.
- 2005 **Interview:** *National Geographic* Magazine. Field interviews and photo shoot for June 2006 article on state of the oceans, July 20-23.
- 2005 **Interviews** on science and society: national and international press at the International Council for Science's General Assembly, extensive coverage in China, Asia and international press.
- 2005 **Booklet: PISCO's Coastal Connections**, Volume 4, highlighting new scientific findings from the PISCO team.
- 2005 **Radio Broadcast:** Eugene City Club talk 'The Environment and Human Well-Being', broadcast on Oregon Public Broadcasting Radio.
- 2005 **Forum on Climate Change:** organized for community leaders of mid-Willamette Valley by PISCO and COMPASS.
- 2005 **Training:** Trained 18 new Aldo Leopold Leadership Fellows to be effective communicators of their scientific information (1 of 2 weeks).
- 2006 **Interviews** on global warming: Print media: *The Astorian, Oregonian*; broadcast: KPOJ Radio, KPNW Radio.
- 2006 **Interviews** on aquaculture: Print media: *Delicious Living* Magazine.
- 2006 **Interviews** on ecosystem services and the Millennium Ecosystem Assessment.
- 2006 **Interviews** on state of the oceans, marine reserves, ocean policy or Oregon's ocean, print: *The New Scientist*; OSU's *Terra* magazine; **broadcast:** OPB's *Oregon Territory*.
- 2006 **Booklet: PISCO's Coastal Connections**, Volume 5, highlighting new scientific findings From the PISCO team.

- 2006 **Radio Broadcast:** Oregon Public Broadcasting of Portland City Club talk “Climate Change and it’s implications for Oregonians.”
- 2006 **Training:** Trained 18 new Aldo Leopold Leadership Fellows to be effective communicators of their scientific information (1 of 2 weeks).
- 2006 **Interview** on Maintaining the Integrity of Science: Print media: *The Scientist*, October
- 2006 **Interviews** on the low-oxygen zone off the west coast (Print: New York Times, Oregonian, AP, and others; TV: ABC network news; NBC Portland news; Eugene KVAL news.
- 2006 **Radio Interview** on *Oregon Territory*, Oregon Public Broadcasting, on Oregon’s intertidal zone, climate change, and more. The reporter and producer, Christy George received a 2007 Gracie Award from the American Women in Radio and Television for the 20 minute show
- 2007 **Testimony** to Joint Committee on Emergency Preparedness and Ocean Policy, Oregon Legislature on “The Science of Marine Reserves” 6 March.
- 2007 **Interview** by Claudia Dreifus for *OnEarth* Magazine on climate and oceans
- 2007 **Interview** for *Pink* Magazine on changes in oceans
- 2007 **Interviews** on climate change and oceans for *New Scientist*
- 2007 **TV Interview:** OPB TV for 1-hour special show on climate change in Oregon; aired 25 October; rebroadcast 30 October.
- 2007 **TV and press interviews** (*El Mercurio*, *La Tercera*) on climate change and Nobel Peace Prize, Santiago Chile.
- 2008 **Testimony** to Oregon Senate Environment Committee, invited, on marine reserves, 16 January.
- 2008 **Interview:** *Common Ground 2: Oregon’s Ocean Legacy*, film produced by Green Fire Productions on the sustainable use of Oregon’s ocean.
- 2008 **Testimony** to U.S. House of Representatives - Select Committee on Energy Independence and Global Warming, invited, “Climate and Oceans; Impacts and Implications”.
- 2008 **Training:** Trained 19 new Aldo Leopold Leadership Fellows to be effective communicators of their scientific information (1 of 2 weeks).
- 2008 **Interviewed** and Quoted in *Parade Magazine* on ocean health. Chen, Daryl. 2008. “Can Our Oceans Survive?” July 27, page 6.
- 2008 **Interviewed** and Quoted in article for *Society of Women Engineers Magazine* on NAE Grand Challenges Project. Thomas, Charlotte, “Engineering’s Grand Challenges – What’s Your Pick?” SWE Magazine 54(5): 36-44.
- 2008 **Interviewed** and quoted in *Scientific American Magazine* on Hypoxia research.
- 2008 **Content provided** for new layer of Google Earth on Marine Protected Areas (MPA) and for new MPA portal ProtectPlanetOcean.org; based on PISCO’s Science of Marine Reserves booklets
- 2008 **Profiled** by Associated Press (AP) in their “Newsmakers” series.
- 2008 **Training:** Trained 19 new Aldo Leopold Leadership Fellows to be effective communicators of their scientific information (2 of 2 weeks).
- (not updated since 2008)

Invited Presentations (recent)

2014:

City Club of Portland, rebroadcast on **Oregon Public Broadcasting radio**; **Seattle Aquarium** keynote remarks after receipt of Seattle Aquarium Medal at Awards Ceremony and Chairman’s Dinner; **Gulf of Mexico Oil Spill and Ecosystem Science Conference**, panel on ‘Role of Academia in Environmental Disaster Response’, Mobile, AL; **United Nations**, Open Working Group on Sustainable Development

Goals, Keynote Address on Oceans and Seas, Biodiversity and Forests; **Salem City Club**, Salem, Oregon; **World Ocean Summit, The Economist Magazine**, Governance within National Jurisdictions, Half Moon Bay, CA; **Public Interest Environmental Law Conference, University of Oregon**, Eugene, OR; **University of Alaska, Fairbanks, Irving-Scholander Lecture, Institute of Arctic Biology and Institute of Marine Science**, and technical lecture; **NatureServe Annual Awards Dinner**, New Orleans, LA; **Edwin Way Teale Lecture**, University of Connecticut.

2013:

OSU, Zoology Department, guest lecture in graduate seminar on communication of science; **Packard Foundation Board of Trustees**, remarks; **8 lectures as Mimi and Peter Haas Distinguished Visitor in Public Service at Stanford University** on the science/policy interface at NOAA; **Hopkins Marine Station, Stanford University**, seminar; **Woods Institute for the Environment**, Community Retreat; **Stanford's Vice President for Graduate Education** luncheon speaker; **Rorshach memorial Lecture, Physics and Astronomy Department, Rice University**; **National Center for Atmospheric Research**, keynote address for NSF postdocs in atmospheric research; **Haas Center National Advisory Board**, informal remarks; **Branner Residence Hall**, briefing about Monterey Bay; **Millennium Alliance for Humanity and the Biosphere** guest lecture; **Haas Center Public Service Fellows**, guest lecture; **Haas Science in Service leadership group**, guest lecture; **Haas Distinguished Visitor Lecture, Stanford**; **Jasper Ridge 40th Anniversary Symposium**, panelist; **Stanford Law School Symposium on Dynamic Conservation**, keynote speaker; **Stanford School of Earth Sciences**, Distinguished Scientist Lecture; **Harvard University Center for the Environment**, seminar; **Stanford University Women In Science and Engineering (WISE) Ventures**, guest lecture; **Women in Technology International (WITI) Women in Technology Summit**: keynote speaker; **Colorado College Bay Area Alumni**, speaker; **University of California at Santa Barbara, Commencement Speaker** for Bren School of Environmental Science and Management; **UCSB, Commencement Speaker** for Math, Life and Physical Sciences Division with College of Letters and Science; **Museo Nacional de Ciencias Naurales** (National Museum of Natural Sciences), Madrid, seminar; **Da Vinci Days Opening Keynote Lecture**, Corvallis, OR; **National Academy of Sciences at 150 years**, Woods Hole, MA, panelist; **Ecological Society of America annual meetings, Symposium on Ecological Sustainability in a Tele-connected World**, speaker; **Corvallis League of Women Voter's** speaker; **Lewis and Clark College**, Keynote Speaker for 6th Annual Science Without Limits Symposium: Science and Democracy, and guest lecturer for Environmental Studies Seminar; **Natural Resources Defense Council**, invited seminar; **University of Maine, Senator George J. Mitchell Lecture**; **BLUE Ocean Film Festival in Monaco**, panelist; **Prince Albert II of Monaco Foundation Award for Climate Change**, acceptance remarks; **Center for Ocean Solutions, Stanford University**, remarks at 5th Anniversary Celebration; **Science and Technology for Society, 10th Annual Meeting**, Kyoto, Opportunities in the Oceans; **Nippon Foundation and Pew Charitable Trusts joint Symposium on the State of the Oceans**, speaker, Tokyo; **Stroud Award for Freshwater Excellence**, acceptance remarks, Longwood Gardens near Philadelphia; **Pew Fellows in Marine Conservation**, Annual meeting, Malahide, Ireland, dinner remarks; **Oregon State University Folk Club**, Corvallis, OR, seminar; **Hatfield Marine Science Center**, Newport, OR, seminar; **College of Forestry Graduate Seminar** 'Advocacy in Science; Science in Advocacy', Corvallis, seminar; **Interfaith Power and Light** leadership group 'Environmental Science, Policy and Public Understanding' remarks; **Climate One**, taped radio interview before live audience at the **Commonwealth Club of San Francisco**.

Research Grants, Select: (Extramural; Lubchenco is PI unless otherwise indicated; Lubchenco resigned from all grants in 2009 when she became Administrator of NOAA, turning over responsibility to co-PIs)

- 1973-75 **National Science Foundation** Doctoral Dissertation Grant "The Community Role of Intertidal Herbivorous Gastropods" \$4,000.
- 1976-78 **National Science Foundation** "Experimental studies of community organization in tropical and temperate rocky intertidal regions" B.A. Menge, Co-PI, \$126,000.
- 1978-80 **National Science Foundation** "Experimental studies of community organization in a tropical rocky intertidal community." B.A. Menge, Co-PI, \$196,000.
- 1980-85 **National Science Foundation** "Heterogeneity and Community Organization in a temperate and tropical rocky intertidal community." B.A. Menge, Co-PI, \$488,000.
- 1986-88 **National Science Foundation** "Bromophenols in a temperate red alga: variability and anti-herbivore effects." D.J. Carlson, Co-PI, \$209,910.
- 1987 **National Academy of Sciences**, Visiting Investigator Program, People's Republic of China, "Rocky intertidal community structure and Marine Reserves along temperate Chinese shores."
- 1989-91 **Andrew W. Mellon Foundation** "A Strategic Plan for Ecology for the 1990's," \$125,000.
- 1990-91 **National Science Foundation** "The Sustainable Biosphere Initiative: Research Agenda for the Nineties Workshop," \$35,025.
- 1991-93 **National Science Foundation** "The Sustainable Biosphere Initiative Project," P.G. Risser, Co-PI. \$554,600.
- 1992-95 **Pew Charitable Trusts, Scholar in Conservation and the Environment Program** "Marine Conservation Biology and the Sustainable Biosphere Initiative: National and International Challenges," \$150,000.
- 1993-95 **National Science Foundation**, Supplement to SBI grant, P.G. Risser, Co-PI. \$60,000.
- 1992-96 **Andrew W. Mellon Foundation** "Rocky Intertidal Communities: Opportunities for Linking Ecological Studies at Different Scales," B.A. Menge, Co-PI. \$300,000.
- 1993-95 **National Science Foundation** "Inter-American Institute Program for Temperate Terrestrial Ecology: Workshops to Develop Scientific and Implementation Plans," P.I.: G. Bradshaw, Co-PIs: T. Strub, W. Winner. \$101,350.
- 1993-97 **John D. and Catherine T. MacArthur Foundation Fellowship**, \$280,000.
- 1994-95 **National Science Foundation**, Supplement to SBI grant, P.G. Risser, Co-PI. \$140,000.
- 1994-95 **Andrew W. Mellon Foundation** "The Sustainable Biosphere Project, Amazon Basin Case Study." P.G. Risser, Co-PI. \$180,000.
- 1995-98 **Andrew W. Mellon Foundation** "Rocky Intertidal Communities: Integration of Pattern-Process Linkages Across Expanding Scales," B.A. Menge, Co-PI. \$320,000.
- 1996-97 **Andrew W. Mellon Foundation** "Marine Ecosystem Dynamics: Planning for Comparisons of North and South America," \$19,900.
- 1997-98 **David and Lucile Packard Foundation** "The Spring Green Project: Training for Science-Advocates," \$110,829.
- 1997-2001 **National Science Foundation, National Center for Ecological Analysis and Synthesis**, "Developing the theoretical basis for marine protected areas." \$120,000.
- 1998-2013 **Robert and Betty Lundeen Marine Biology Fund** "Frontiers in Marine Ecology," \$750,000.
- 1998-2001 **Andrew W. Mellon Foundation** "Nearshore Marine Ecosystem Dynamics," B.A. Menge, Co-PI. \$380,000.
- 1998-2003 **David and Lucile Packard Foundation** "The Aldo Leopold Leadership Program: Leadership and Communication Training For Science-Advocates," \$1,437,940.
- 1999-2002 **Environmental Defense** "Siting Marine Reserves in Temperate Coastal Ecosystems" Co-PIs H. Leslie, B. Menge; in support of research of Heather Leslie.

- 1999–2004 **David and Lucile Packard Foundation** “Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO): A Long-Term Ecological Consortium,” Co-PIs: B. Menge, S.D. Gaines, R. Warner, G. Somero, M. Denny, P. Raimondi, M. Carr. \$17,711,742.
- 1999-2004 **David and Lucile Packard Foundation** “COMPASS: The Communication Partnership for Science and the Sea”, PI: Chuck Savitt (Island Press); Co-PIs: Vikki Spruill (SeaWeb), Chris Harrold (Monterey Bay Aquarium); \$2,136,425.
- 2000–2003 **Andrew W. Mellon Foundation** “The Mellon Marine Ecosystem Dynamics Consortium: An Infrastructure Plan to Provide Inter-hemispheric Links among Research Groups” Co-PI, with B. A. Menge, \$220,000.
- 2000-2004 **David and Lucile Packard Foundation** “Augmentation for PISCO”, Co-PIs: B. Menge, S.D. Gaines, R. Warner, G. Somero, M. Denny, P. Raimondi, M. Carr. \$2,285,098.
- 2000-2003 **Andrew W. Mellon Foundation** “Structuring processes in temperate marine nearshore reefs: parallel studies in New Zealand and Oregon” Co-PIs: D. Schiel, B.A. Menge, \$329,000.
- 2001-2002 **David and Lucile Packard Foundation** “Evaluating The Aldo Leopold Leadership Program.” \$63,388.
- 2002-2003 **David and Lucile Packard Foundation** “Communicating the Science of Marine Reserves”, Co-PIs B. Simler, S. Airame, R. Warner and S. Gaines. \$246,428.
- 2002-2008 **David and Lucile Packard Foundation** “The Aldo Leopold Leadership Program” Co-PIs: C. Robinson and D. Wall. \$1,500,000.
- 2004-2005 **David and Lucile Packard Foundation:** “PISCO Realizing the Potential of a Unique Model to Understand Coastal Marine Ecosystems.” Co-PIs: B. Menge, J. Barth, M. Carr, P. Raimondi, M. McManus, G. Somero, M. Denny, S. Palumbi, S. Gaines, B. Warner, L. Washburn, G. Hofmann. \$3,920,205.
- 2003-2006 **Andrew W. Mellon Foundation** “Closing the Loop: Linking Pelagic and Benthic Communities Through larval Production and Transport Mechanisms” PI: B. Menge. \$330,000.
- 2003-2004 **Andrew W. Mellon Foundation** “Researching Sites in South Africa: Travel Grant.” Co-PI: B. Menge. \$25,000.
- 2004-2006 **David and Lucile Packard Foundation** “Communication Partnership for Science and the Sea (COMPASS): 2004-2005; PI: Chuck Savitt; co-PIs V. Spruill, C. Harrold. \$2,000,000.
- 2004-2005 **David and Lucile Packard Foundation.** A Symposium on “Managing for Resilience: An Integrated Approach to Coastal Marine Science and Conservation”; P.I.: A.O.D. Willows, co-PIs: K. McLeod, M.P. Morse; \$45,000.
- 2005-2009 **David and Lucile Packard Foundation.** Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO): 2005-2009. Co-PIs: B. Menge, J. Barth, P. Raimondi, M. Carr, M. McManus, G. Somero, M. Denny, S. Palumbi, S. Gaines, B. Warner, G. Hofmann, L. Washburn. \$11,000,000.
- 2005-2009 **Gordon and Betty Moore Foundation.** PISCO (see above). \$13,543,700.
- 2004-2007 **Andrew W. Mellon Foundation.** “Dynamics of Nearshore Marine Ecosystems: Complementary Studies on Temperate Shores,” P.I. Dave Schiel; co-PI B. Menge. \$330,000.
- 2005-2006 **Andrew W. Mellon Foundation.** “The Marine Ecosystems Dynamics Consortium: Integration of the science, training and outreach missions across the consortium.” P.I.: B. Menge, Co-PIs: S. Gaines, S. Navarrete, J.C. Castilla, D. Schiel, G. Branch. \$76,000.

- 2005-2007 **David and Lucile Packard Foundation.** “Communicating the Science of Marine Reserves to Latin American Audiences. Co-PIs: Sally Hacker, Brooke Simler. \$249,969.
- 2006-2008 **David and Lucile Packard Foundation.** “Communication Partnership for Science and the Sea (COMPASS),” Co-PI: Brooke Simler. \$2,159,960.
- 2006-2008 **Gordon and Betty Moore Foundation.** “Science for Ecosystem-Based Management: COMPASS, Co-PI: Brooke Simler. \$350,022.
- 2006-2008 **The Marisla Foundation.** “Communication Partnership for Science and the Sea (COMPASS),” Co-PI: Brooke Simler. \$60,000.
- 2006-2008 **The Resource Legacy Fund Foundation.** “Communicating Marine Conservation Science along the West Coast of the U.S.” PI: Brooke Simler. \$393,010.
- 2006-2008 **Meyer Memorial Trust.** “Communicating Marine Conservation Science in Oregon,” PI: Brooke Simler. \$90,825.
- 2006-2008 **David and Lucile Packard Foundation.** “New Advances in the Science of Marine Reserves, Second Edition of “Science of Marine Reserves” Booklet. Co-PIs: Steven Gaines, Satie Airame, Brooke Simler. \$249,946.
- 2006 **Hanlon Venture Fund.** PI: F. Chan; co-PIs: B Menge, J. Barth. \$9,600.
- 2007 **Flora Family Foundation.** “Closing the Gap between Science and Action on Climate Change.” PI: Steve Pacala. \$125,000
- 2007 **Kingfisher Foundation.** “Consequences of New Low Zones of Low Oxygen along the Oregon Coast” Co-PIs F. Chan and J. Barth, \$39,059.
- 2007-2010 **Andrew W. Mellon Foundation.** PI: B. Menge. "Collaborative Research: Mechanisms Underlying Patterns of Recruitment on an Interhemispheric Scale" \$200,000; JL recused from all responsibilities as of March 2009.
- 2008 **The Marisla Foundation.** “Communication Partnership for Science and the Sea (COMPASS),” PI: Brooke Simler. \$75,000.
- 2007-2009 **The Resource Legacy Fund Foundation.** “Communicating Marine Conservation Science along the West Coast of the U.S.” PI: Brooke Simler. \$512,990.
- 2008-2009 **The David and Lucile Packard Foundation.** “PISCO Organizational Effectiveness Project: Securing the future for an integrated large marine ecosystem research program.” Co-PIs: K. Milligan and S. Gaines. \$150,000.
- 2008-2010 **The David and Lucile Packard Foundation.** “Communication Partnership for Science and the Sea (COMPASS),” PI: Brooke Simler. \$2,000,000; JL recused from all responsibilities as of March 2009.
- 2008-2009 **The David and Lucile Packard Foundation.** "Effectively communicating the science of marine reserves to a global audience" Co-PI: K. Grorud-Colvert, S. Gaines, and S. Airame. \$100,000.
- 2008 **The United Nations Foundation.** “Workshop: Global Changes in Hypoxia and Anoxia in Eastern Boundary Current Large Marine Ecosystems.” PI: P. Bernal. \$36,100.
- 2008-2010 **The Gordon and Betty Moore Foundation.** “Science for Ecosystem-Based Management: COMPASS, Co-PI: Brooke Simler. \$710,000; JL recused from all responsibilities as of March 2009.
- 2008-2011 **The Gordon and Betty Moore Foundation.** Microbial diversity and activity in the seasonal hypoxic coastal waters off Central Chile and Oregon: A comparative study” PI R. Letelier, co-PIs S. Giovannoni, O. Ulloa, J. Barth, F. Chan, C. Lange, L.Farias, A. Mix, S. Pantoja, O. Pizzaro. \$5,000,211; JL recused from all responsibilities as of March 2009.

Principal Publications¹: (Does not include abstracts or technical reports. Professional name changed from Menge to Lubchenco in 1977. Dr. Lubchenco's philosophy has been to encourage her graduate students to publish their thesis research papers independently, as opposed to co-authoring them with her. These publications are listed separately in a subsequent section.)

- 1 P 1974 **Menge, J. Lubchenco.** Prey selection and foraging period of the predaceous rocky intertidal snail, *Acanthina punctulata*. *Oecologia* 17: 293-316.
- 2 P 1974 **Menge, J. Lubchenco.** and B.A. Menge. Role of resource allocation, aggression and spatial heterogeneity in coexistence of two competing starfish. *Ecological Monographs* 44: 189-209.
- 3 P 1978 **Lubchenco, J.** and B.A. Menge. Community development and persistence in a low rocky intertidal zone. *Ecological Monographs* 48: 67-94. **Mercer Award Winner, 1979; Science Citation Classic Paper, ISI.**
- 4 P 1978 **Lubchenco, J.** Plant species diversity in a marine intertidal community: importance of herbivore food preference and algal competitive abilities. *American Naturalist* 112: 23-39. **Science Citation Classic Paper, ISI.**
- 5 P 1979 **Lubchenco, J.** Consumer terms and concepts. *American Naturalist* 113: 315-317.
- 6 P 1979 **Lubchenco, J.** Causes of zonation patterns on rocky intertidal shores. pp. 219-221 in: "Symposium on regularities of distribution and ecology of coastal marine biocoenoses." **Proceedings of the Soviet Academy of Science.**
- 7 P 1980 **Lubchenco, J.** Algal zonation in the New England rocky intertidal community: experimental analysis. *Ecology* 61: 333-344.
- 8 P 1980 **Lubchenco, J.** and J. Cubit. Heteromorphic life histories of certain marine algae as adaptations to variations in herbivory. *Ecology* 61: 676-681.
- 9 P 1981 **Lubchenco, J.** and S.D. Gaines. A unified approach to marine plant-herbivore interactions. I. Populations and Communities. *Annual Review of Ecology and Systematics* 12: 405-437. **Science Citation Classic Paper, ISI.**
- 10 P 1981 Menge, B.A. and **J. Lubchenco.** Community organization in temperate and tropical rocky intertidal habitats: prey refuges in relation to consumer pressure gradients. *Ecological Monographs* 51(4): 429-450.
- 11 P 1982 Gaines, S.D. and **J. Lubchenco.** A unified approach to marine plant-herbivore interactions II. Biogeographic Patterns. *Annual Review of Ecology and Systematics* 13: 111-138.
- 12 P 1982 **Lubchenco, J.** Effects of grazers and algal competitors on fucoid colonization in tide pools. *Journal of Phycology* 18: 544-550.
- 13 P 1983 **Lubchenco, J.** *Littorina* and *Fucus*: Effects of herbivores, substratum heterogeneity and plant escapes during succession. *Ecology* 64: 1116-1123.
- 14 P 1984 **Lubchenco, J.,** B.A. Menge, S.D. Garrity, P.J. Lubchenco, L.R. Ashkenas, S.D. Gaines, R. Emler, J. Lucas and S. Strauss. Structure, persistence and role of consumers in a tropical rocky intertidal community (Taboguilla Island, Bay of Panama). *Journal of Experimental Marine Biology and Ecology* 78: 23-73.

Publications are listed chronologically.

Categories of publications:

P Peer-reviewed publication.

Δ Book review, commentary, editorial or opinion.

± National Academy of Sciences, National Research Council, National Science Board, or international scientific assessment reports for which Lubchenco was a primary author.

⌘ U.S. Congressional or State of Oregon testimony, U.S. Presidential briefing, or *Amicus Curiae* for the U.S. Supreme Court or State of Oregon Supreme Court.

- 15 P 1985 Menge, B.A., **J. Lubchenco** and L.R. Ashkenas. Diversity, heterogeneity and consumer pressure in a tropical rocky intertidal community. *Oecologia* 65: 394-405.
- 16 P 1986 **Lubchenco, J.** Relative importance of competition vs. predation: early seaweed colonization in New England. *in* J.M. Diamond and T.J. Case (eds.) *Community Ecology* pp. 537-555. Harper and Row, New York.
- 17 P 1986 Menge, B.A., **J. Lubchenco**, L.R. Ashkenas and F. Ramsey. Experimental separation of effects of consumers on sessile prey in the low zone of a rocky shore in the Bay of Panama: direct and indirect consequences of food web complexity. *Journal of Experimental Marine Biology and Ecology* 100:225-269.
- 18 P 1986 Menge, B.A., **J. Lubchenco**, S.D. Gaines and L.R. Ashkenas. A test of the Menge-Sutherland model of community organization in a tropical rocky intertidal food web. *Oecologia* 71: 75-89.
- 19 Δ 1986 **Lubchenco, J.** Rocky shore ecology. (Review of Moore P.G. and R. Seed (eds.) *The Ecology of Rocky Coasts: essays presented to J.R. Lewis.*) *Ecology* 67: 1699.
- 20 PΔ 1988 Risser, P.G., **J. Lubchenco**, and R.B. Root. The research support liaison committee in Ecology, Evolution and Systematics. *Bulletin of the Ecological Society of America* 69: 6-10.
- 21 P 1989 Carlson, D.J., **J. Lubchenco**, M.A. Sparrow, and C.D. Trowbridge. Fine-scale variability of lanosol and its disulfate ester in the temperate red alga *Neorhodomela larix*. *Journal of Chemical Ecology* 15: 1321-1333.
- 22 P 1990 Olson, A.M. and **J. Lubchenco**. Competition in seaweeds: Linking plant traits to competitive outcomes. *Journal of Phycology* 26: 1-6.
- 23 Δ 1990 Mooney, H.A. and **J. Lubchenco**. Looking Ahead. *Bulletin of the Ecological Society of America* 71: 4-5.
- 24 P 1991 **Lubchenco, J.** and L. A. Real. Manipulative Experiments as Tests of Ecological Theory. Pages 715-733. *in* L. Real and J. Brown (eds.) *Foundations of Ecology*, University of Chicago Press.
- 25 P 1991 **Lubchenco, J.**, A.M. Olson, L.B. Brubaker, S.R. Carpenter, M.M. Holland, S.P. Hubbell, S.A. Levin, J.A. MacMahon, P.A. Matson, J.M. Melillo, H.A. Mooney, C.H. Peterson, H.R. Pulliam, L.A. Real, P.J. Regal, P.G. Risser. 1991. The Sustainable Biosphere Initiative: An Ecological Research Agenda. *Ecology* 72(2): 371-412. [Science Citation Classic Paper, ISI.](#)
- 26 PΔ 1991 Risser, P.G., **J. Lubchenco**, and S.A. Levin. Biological Research Priorities: A Sustainable Biosphere. *BioScience* 41: 625-627.
- 27 P 1991 Huntley, B.J., E. Ezcurra, E.R. Fuentes, K. Fujii, P.J. Grubb, W. Haber, J.R.E. Harger, M.M. Holland, S.A. Levin, **J. Lubchenco**, H.A. Mooney, V. Neronov, I. Noble, H.R. Pulliam, P.S. Ramakrishnan, P.G. Risser, O. Sala, J. Sarukhan, and W.G. Sombroek. A Sustainable Biosphere: the Global Imperative: The International Sustainable Biosphere Initiative. *Ecology International* 20: 1-14.
- 28 Δ 1992 Risser, P.G. and **J. Lubchenco**. The Role of Science in Management of Large Watersheds. Pages 119-126. *in*: P.W. Adams and W.A. Atkinson (eds.) *Watershed Resources: Balancing Environmental, Social, Political and Economic Factors in Large Basins*. College of Forestry, Oregon State University.
- 29 P± 1992 National Academy of Sciences. *Policy Implications of Greenhouse Warming: Mitigation, Adaptation and the Science Base*. National Academy Press, Washington DC, 918 pages. (Lubchenco served on the Adaptation Panel but dissented from that Panel's report, as noted on pages 504 and 659.)
- 30 P 1993 **Lubchenco, J.**, S.A. Navarrete, B.N. Tissot, and J.C. Castilla. On Possible Ecological Responses to Global Climate Change: Nearshore Benthic Biota of

- Northeastern Pacific Coastal Ecosystems. Pages 147-166 in: H.A. Mooney et al. (eds.) *Earth System Responses to Global Change: Contrasts Between North and South America*. Academic Press.
- 31 P 1993 Navarrete, S.A., **J. Lubchenco**, and J.C. Castilla. Pacific Ocean Ecosystems and Global Climate Change. Pages 189-193 in: H.A. Mooney et al. (eds.) *Earth System Responses to Global Change: Contrasts Between North and South America*. Academic Press.
- 32 P 1993 Castilla, J.C., S.A. Navarrete, and **J. Lubchenco**. Southeastern Pacific Coastal Environments: Main Features, Large Scale Perturbations and Global Climate Change. Pages 167-188 In: H.A. Mooney et al. (eds.) *Earth System Responses to Global Change: Contrasts Between North and South America*. Academic Press.
- 33 PΔ 1993 **Lubchenco, J.** and B.A. Menge. Split Positions Can Provide a "Sane Track": A Personal Account. *BioScience* 43(4): 243-248.
- 34 PΔ 1993 **Lubchenco, J.**, P.G. Risser, A.C. Janetos, J.R. Gosz, B.D. Gold, and M.M. Holland. Priorities for an Environmental Science Agenda in the Clinton-Gore Administration: Recommendations for Transition Planning. *Bulletin of the Ecological Society of America* 74(1): 3-8.
- 35 P± 1993 National Research Council, Committee on Environmental Research. *Research to Protect, Restore and Manage the Environment*, National Academy Press, Washington, DC, 242p.
- 36 P 1994 Murphy, D., D. Wilcove, R. Noss, J. Harte, C. Safina, **J. Lubchenco**, T. Root, V. Sher, L. Kaufman, M. Bean, S. Pimm. On Reauthorization of the Endangered Species Act. *Conservation Biology* 8: 1-3.
- 37 Δ 1994 **Lubchenco, J.** The Scientific Basis of Ecosystem Management: Framing the Context, Language and Goals. Pages 33-39 in: Committee on Environment and Public Works, United States Senate, *Ecosystem Management: Status and Potential*. Proceedings of a Workshop by the Congressional Research Service, March 24-25, 1994. 103rd Congress, 2nd Session. Washington. U.S. Government Printing Office.
- 38 P 1995 Vitousek, P.M. and **J. Lubchenco**. Limits to Sustainable Use of Resources: From Local Effects to Global Change. Pages 57-64 in: Munasinghe, M. and W. Shearer (eds.), *Defining and Measuring Sustainability: The Biogeophysical Foundations*. The World Bank, Washington, DC.
- 39 PΔ 1995 **Lubchenco, J.** The Relevance of Ecology: The Societal Context and Disciplinary Implications of Linkages across Levels of Ecological Organization. Pp 297-305 in: Jones, C.G. and J. H. Lawton (eds.), *Linking Species and Ecosystems*. Chapman and Hall, New York.
- 40 P 1995 **Lubchenco, J.**, G.W. Allison, S.A. Navarrete, B.A. Menge, J.C. Castilla, O. Defeo, C. Folke, O. Kussakin, T. Norton, and A.M. Wood. Biodiversity and ecosystem functioning: Coastal systems. Pages 370-381 in: *Global Biodiversity Assessment*, Cambridge University Press, Cambridge, U.K.
- 41 P 1995 Chapin, F.S., **J. Lubchenco** and H. Reynolds. Biodiversity effects on patterns and processes of communities and ecosystems. Pages 289-301 in: *Global Biodiversity Assessment*, Cambridge University Press, Cambridge, U.K.
- 42 P 1995 Mooney, H.A., **J. Lubchenco**, R. Dirzo and O.E. Sala (eds.), Biodiversity and ecosystem functioning: Basic principles. Section 5 in: *Global Biodiversity Assessment*, Cambridge University Press, Cambridge, U.K.
- 43 P 1995 Mooney, H.A., **J. Lubchenco**, R. Dirzo and O.E. Sala (eds.) Biodiversity and ecosystem functioning: Ecosystem analyses. Section 6 in: *Global Biodiversity Assessment*, Cambridge University Press, Cambridge, U.K.

- 44 P 1995 Cushman, J.H., R. Dirzo, A.C. Janetos, **J. Lubchenco**, H.A. Mooney and O.E. Sala. Biodiversity and ecosystem functioning: Basic principles: Introduction. Pages 281-282 in: *Global Biodiversity Assessment*, Cambridge University Press, Cambridge, U.K.
- 45 P 1995 Cushman, J.H., R. Dirzo, A.C. Janetos, **J. Lubchenco**, H.A. Mooney and O.E. Sala. Biodiversity and ecosystem functioning: Basic principles: Conclusion. Pages 323-325 in: *Global Biodiversity Assessment*, Cambridge University Press, Cambridge, U.K.
- 46 P 1995 Cushman, J.H., R. Dirzo, A.C. Janetos, **J. Lubchenco**, H.A. Mooney and O.E. Sala. Biodiversity and ecosystem functioning: Ecosystem analyses: Introduction. Page 335 in: *Global Biodiversity Assessment*, Cambridge University Press, Cambridge, U.K.
- 47 P 1995 Cushman, J.H., R. Dirzo, A.C. Janetos, **J. Lubchenco**, H.A. Mooney and O.E. Sala. Biodiversity and ecosystem functioning: Ecosystem analyses: Conclusion. Pages 446-452 in: *Global Biodiversity Assessment*, Cambridge University Press, Cambridge, U.K.
- 48 PΔ 1995 **Lubchenco, J.** The role of science in formulating a biodiversity strategy. *BioScience Supplement S 7-S 9*.
- 49 PΔ 1995 Alpert, P., **J. Lubchenco** and P. Risser. The Sustainable Biosphere Project of SCOPE. *Ambio* 24(2): 133-134.
- 50 P 1995 Eisner, T., **J. Lubchenco**, E.O. Wilson, D.S. Wilcove and M.J. Bean. Building a scientifically sound policy for protecting endangered species. *Science* 269: 1231- 1232.
- 51 α 1995 Cairns, J. Jr., H. L. Carson, J. M. Diamond, P.R. Ehrlich, T. Eisner, S. J. Gould, D. H. Janzen, **J. Lubchenco**, E. Mayer, C.D. Michener, G. H. Orians, S. L. Pimm, D. Simberloff, J. W. Terbourgh, M.J. West-Eberhard, E.O. Wilson. **Brief of Amicus Curiae** scientists in support of petitioner USA filed February 21, for U.S. Supreme Court Case No. 94-859: Bruce Babbitt, *et al.*, (Petitioners) v. Sweet Home Chapter of Communities for a Great Oregon *et al.* (Respondents).
- 52 α 1995 **Lubchenco, J.**, Invited testimony to the U.S. Senate Environment and Public Works Committee, on reauthorization of the Endangered Species Act. *US Congressional Record*. 13 July.
- 53 P 1996 Allison, G.W., B.A. Menge, **J. Lubchenco** and S.A. Navarrete. Predictability and uncertainty in community regulation: Consequences of reduced consumer diversity in coastal rocky ecosystems. Pages 371-392 in: Mooney *et al.* (eds.), *Functional Roles of Biodiversity: A Global Perspective*, John Wiley & Sons, Chichester, UK.
- 54 Δ 1996 **Lubchenco, J.** The Endangered Species Act: Society presidents comment on scientific aspects of reauthorization bills. *Bulletin of the Ecological Society of America* 77(2): 116-120 (includes multi-authored letters to members of Congress).
- 55 P 1996 Power, M.E., D. Tilman, J.A. Estes, B.A. Menge, W.J. Bond, L.S. Mills, G. Daily, J.C. Castilla, **J. Lubchenco**, and R.T. Paine. Challenges in the quest for keystones. *BioScience* 46: 609-620. **Science Citation Top 0.25%, ISI.**
- 56 P 1997 Daily, G.C., S. Alexander, P.R. Ehrlich, L. Goulder, **J. Lubchenco**, P.A. Matson, H.A. Mooney, S. Postel, S.H. Schneider, D. Tilman, and G.M. Woodwell. Ecosystem Services: Benefits supplied to human societies by natural ecosystems. *Issues in Ecology* 2: 1-16.
- 57 P 1997 Hobson, S. and **J. Lubchenco** (eds.). *Revelation and the Environment AD 95 – 1995*. World Scientific Publishing Co., Singapore.
- 58 PΔ 1997 Jasanoff, S., R. Colwell, M.S. Dresselhaus, R.D. Goldman, M.R.C. Greenwood, A.S. Huang, W. Lester, S.A. Levin, M.C. Linn, **J. Lubchenco**, M.J. Novacek, A.C. Roosevelt, J.E. Taylor, N. Wexler. Conversations with the community: AAAS at the millennium. *Science* 278: 2066-2067.
- 59 Δ 1997 Mooney, H.A. and **J. Lubchenco**. Preface to Baskin, Y., *The Work of Nature: How the Diversity of Life Sustains Us*. Island Press, Washington, D.C., 263 pp.

- 60 P 1997 Peterson, C.H. and **J. Lubchenco**. Marine ecosystem services. pp. 177-194 in G. Daily (ed.), *Nature's Services: Societal Dependence on Natural Ecosystems*. Island Press, Washington, D.C.
- 61 P 1997 Vitousek, P.M., H.A. Mooney, **J. Lubchenco**, and J.M. Melillo. Human domination of earth's ecosystems. *Science* 277: 494-499. **Science Citation Top 0.25%, ISI.**
- 62 ✕ 1997 **Lubchenco, J.**, Briefing to President William Jefferson Clinton and Vice President Al Gore. Ecological Consequences of Climate Change, **The White House, Executive Office of the President, Office of Science and Technology Policy**, Washington, D.C., 24 July.
- 63 ✕ 1997 **Lubchenco, J.**, testimony to the U.S. House of Representatives Subcommittee on Fisheries Conservation, Wildlife and Oceans, on upcoming International Year of the Ocean. **U.S. Congressional Record**. 30 October.
- 64 P 1998 Allison, G.W., **J. Lubchenco**, and M. Carr. Marine reserves are necessary but not sufficient for marine conservation. *Ecological Applications* 8: 579-592. **Science Citation Top 0.25%, ISI.**
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- 66 1998 **Lubchenco, J.** The crisis of the Black Sea: A scientific perspective. in Mee, L., S. Hobson, S. Morgan (eds.), *Religion, Science and the Environment: The Black Sea in Crisis*. World Scientific Publishing Co., Singapore.
- 67 Δ 1998 **Lubchenco, J.**, H.A. Mooney, P.G. Risser, K.L. Van Alstyne, J.R. Vergun. The Aldo Leopold Leadership Program. *Bulletin of the Ecological Society of America* 79:232-234.
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- 69 P± 1998 President's Council of Advisors on Science and Technology, Biodiversity and Ecosystems Panel. Teaming with Life: Investing in science to understand and use America's living capital. **White House Office of Science and Technology Policy**, Washington, D.C.
- 70 P± 1998 Watson, R.T., J.A. Dixon, S.P. Hamburg, A.C. Janetos, R.H. Moss; **J. Lubchenco**, contributing author. *Protecting our planet, securing our future: Linkages among global environmental issues and human needs*. United Nations Environment Program, U.S. National Aeronautics and Space Administration and The World Bank. 95 pp.
- 71 P 1999 Beveridge, M., R. Goldburg, R. Naylor, M. Williams, J. Clay, C. Folke, N. Kautsky, **J. Lubchenco, H. Mooney, J. Primavera**. Shrimp and salmon farming: Response to J. Forster. *Science* 289:639-640.
- 72 P 1999 Menge, B.A., B.A. Daley, **J. Lubchenco**, E. Sanford, E. Dahlhoff, P.M. Halpin, G. Hudson, and J. Burnaford. Top-down or bottom-up regulation of New Zealand rocky intertidal communities. *Ecological Monographs* 69: 297-330.
- 73 P± 1999 National Research Council, Committee on Ecosystem Management for Sustainable Marine Fisheries. *Sustaining Marine Fisheries*. National Academy Press, Washington, D.C., 164 pages.
- 74 P 1999 Murray, S.N., R.F. Ambrose, J.A. Bohnsack, L.W. Botsford, M.H. Carr, G.E. Davis, P.K. Dayton, D. Gotshall, D.R. Gunderson, M.A. Hixon, **J. Lubchenco**, M. Mangel, A. MacCall, D.A. McArdle, J.C. Ogden, J. Roughgarden, R.M. Starr, M.J. Tegner, and

- M.M. Yoklavich. No-take reserve networks: Sustaining fishery populations and marine ecosystems. *Fisheries* 24: 11-25.
- 75 P± 1999 National Science Board, **Environmental Science and Engineering for the 21st Century: The Role of the National Science Foundation**. Report NSB 00-22. <<http://www.nsf.gov/cgi-bin/getpub?nsb0022>> (J. Lubchenco chaired the Task Force that wrote the report).
- 76 P 1999 Primavera, J., J. Clay, N. Kautsky, R. Naylor, C. Folke, M. Beveridge, R. Goldberg, **J. Lubchenco**, H. Mooney, M. Williams. Shrimp and salmon farming: Response to E. Turner. *Science* 289: 640-641.
- 77 PA 1999 Ayensu, E., D. van R. Claasen, M. Collins, A. Dearing, L. Fresco, M. Gadgil, H. Gitay, G. Glaser, C. Juma, J. Krebs, R. Lenton, **J. Lubchenco**, J.A. McNeely, H.A. Mooney, P. Pinstrup-Andersen, M. Ramos, P. Raven, W.V. Reid, C. Samper, J. Sarukhán, P. Schei, J. Galízia Tundisi, R.T. Watson, X. Guanhua, A.H. Zakri. Is the time right for an international ecosystem assessment? *Science* 286: 685-686.
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Teaching and Advising at OSU (until 2009):

Courses:

Ecology, Marine Biology, Marine Conservation Biology, Marine Ecology, Community Ecology, Environmental Controversies, Invertebrate Zoology, Human Ecology, Marine Reserves, Marine Conservation Science and Policy and various graduate seminars. Guest lectures in various OSU courses, for example in 2003-2007: FOR-365, GEO-308, Bi-450/451.

2013-14: Z507: Science and Policy

Degrees Awarded to Students (advised jointly with B.A. Menge) (29 Ph.D.s; 10 MS.s awarded)

(Name, degree, date, current position):

William R. Rice, Ph.D. 1980, Professor; University of California at Santa Barbara; **Dianna K. Padilla**, M.S. 1981; Ph.D., University of Alberta; Professor, State University of New York at Stony Brook; **Kenneth R. Yates**, M.S. 1982; Ph.D., 1989; Vice President of Husbandry and Life Support Systems, Long Beach Aquarium of the Pacific; unknown; **Teresa Turner**, Ph.D. 1982; Professor, College of Virgin Islands, St. Thomas, V.I.; **Steven D. Gaines**, Ph.D. 1982; Professor, Dean, Bren School for the Environment, U.C. Santa Barbara; National Graduate Advisor of the Year, 2009; **Carla M. D'Antonio**, M.S. 1982; Ph.D., U.C. Santa Barbara; Professor, U.C. Berkeley; Professor, U.C. Santa Barbara; **Christopher P. Marsh**, Ph.D. 1984; Director, Spring Island Trust, South Carolina; **Alice F. Brown**, M.S. 1985; Ph.D. Brown University; local activist; **Annette M. Olson**, M.S. 1985; Ph.D., 1992; Independent scientist; **Lani West**, Ph.D. 1986; Research Associate, University of Queensland; **Terence M. Farrell**, Ph.D.; 1987, Professor, Stetson University; **Cynthia D. Trowbridge**, Ph.D., 1989; Research Associate, Hatfield Marine Science Center, OSU; **Denise Idler**, M.S. 1992; Ph.D. University of Medicine and Dentistry of New Jersey, 2002, voluntarily unemployed; **Peter van Tamelen**, Ph.D., 1992; private consultant; **Deborah R. Brosnan**, Ph.D., 1994; Co-Founder and President, Sustainable Ecosystems Institute, Lake Oswego, Oregon, now private consultant; **Carol A. Blanchette**, Ph.D., 1994; Associate Professor, Research,

U.C. Santa Barbara; **Sergio A. Navarrete**, Ph.D., 1994; Associate Professor, Catholic University, Santiago, Chile, and Director, Coastal Station of Marine Investigations (ECIM), Universidad Catolica, Las Cruces, Chile; **Deirdre Roberts**, M.S., 1995; middle school science teacher, Salinas, CA; **Eric Berlow**, Ph.D., 1995; Director, Sierra Nevada Research Institute, Wawona Field Station, Yosemite National Park (UC Merced); TED Global Fellow ; **Gary Allison**, Ph.D., 1997; Assistant Professor-Research , Ohio State University; **Karina Nielsen**, Ph.D., 1998; Associate Professor Sonoma State University; **Eric Sanford**, Ph.D., 1999; Associate Professor, University of California at Davis; **Jen Burnaford**, Ph.D., 2001; Assistant Professor, California State University at Fullerton; **Tess Freidenberg**, Ph.D. 2002; Senior Scientist, Marine Protected Areas Monitoring Enterprises, Oakland, CA.; **Matt Bracken**, Ph.D., 2003; Assistant Professor, Northeastern University; **Heather Leslie**, Ph.D. 2004; Assistant Professor, Brown University; **Roly Russell**, Ph. D. 2005; Independent Scholar; **Maria Kavanaugh**, M.S. 2005; PhD Student OSU; **John Howieson**, M.S. 2006, retired; **Anne Guerry**, Ph.D., 2006; Lead Scientist, the Natural Capital Project's Marine Conservation Initiative, Stanford University, Woods Institute; **Elise Granek**, PhD., 2006, Assistant Professor, Portland State University; **Chris Krenz**, Ph.D., 2007, Staff Scientist, Oceana; **Laura Petes**, Ph.D., 2007, Ecosystem Science Advisor, Climate Program Office, NOAA; **A. Paulina Guarderas**, M.S., 2007, Instituto NAZCA de Investigaciones Marinas (a marine NGO), Ecuador; **Luis Vinueza**, Ph.D. 2009, Assistant Professor, Universidad de Ecuador; **Dafne Eerkes-Medrano**, Ph.D., 2011, Research Associate, British Antarctic Survey, Cambridge, UK; **Joe Tyburczy**, PhD. 2011, PISCO Policy Coordinator, Oregon State University.

Graduate Students initially co-advised with B.A. Menge; then advised solely by B.A. Menge when Lubchenco was at NOAA:

Alison Iles (NSERC Fellow), Ph.D. 2012; Sara Close, (NSF Fellow), Ph.D. 2013
Jeremy Rose, (NSF Fellow).

Graduate Student Fellowships, Honors, Awards 1978-2009.

Name	Yrs of award	NSF	NSERC	Fulbright	Ford Fdn	AAUW	EPA	Markham	other
S Gaines	78-81	DDIG							
T Turner	78-81	DDIG							
C Marsh	79-82	DDIG							
S Navarrete	88-90			GRF					
C Blanchette	91-93							Res Awd	Holt Mar Edu
E Berlow	92-94							Res Awd	Holt Mar Edu
G Allison	92-95	GRF							
K Nielsen	93-01	Intl Postdoc				Diss Fell.			Univ Club
E Sanford	93-98	GRF						Res Awd	Nat Wildl Fed; Lerner-Gray Fund
J Burnaford	95-04	GRF, Intl Postdoc				Diss Fell			
T Freidenburg	96-02	GRF			GRF				
M Bracken	97-02	GRF						Res Awd	
H Leslie	98-03	GRF						Res Awd	Univ Club; EDF

R Russell	99-05		GRF	GRF				Res Awd	
C Krenz	01-02							Res Awd	
A Guerry	00-06	GRF							Univ Club
E Granek	02-06	K-12 GRF, GRF		GRF					Budweiser; Aquaculture Grant
L Petes	03-07	GRF							Univ Club
L Vinueza	03-09			GRF					Scott Neotr RF, Rufford Sm Grt, Lindbergh Fell, Bayley Fell
D Eerkes- Medrano	05-08		GRF, GRF					Res Awd	
J Tyburczy	06-09						STAR		
A Iles	09-12		GRF						
J Rose	09-12	GRF							
S Close	09-12	GRF							

Former Postdoctoral Students (Advised jointly with Bruce Menge; 15)

1. **Elizabeth Dahlhoff**, 1993-1995; Ph.D. Scripps Inst. of Oceanography; Mellon Post Doc; Professor University of Santa Clara; **Cynthia Trowbridge**, 1993-9; Ph.D., OSU; Research Faculty, Hatfield Marine Science Center, OSU; **Sergio Navarrete**, 1994-5; Ph.D. OSU; Associate Professor and Director of Marine Laboratory, Catholic University, Santiago, Chile; **Eric Berlow**, 1995-96, Ph. D., OSU; Director, Wawona Field Station, University of California Merced; **Patricia Halpin**, 1995-2001, Ph.D., Instructor, University of California at Los Angeles; **Gary Allison**, 1997-98, Ph.D. OSU; Ohio State University Research Faculty; **Brian Grantham**, 1997-2003, Ph.D., Stanford University; Coordinator, Aquatic Research-AQUATIC Research and Development Section, Natural Resources, Government of Ontario, Peterborough, Ontario, Canada; **George Leonard**, 1998-1999; Ph. D., Brown University; Director, Aquaculture Program, Ocean Conservancy; **Carl Schoch**, Ph.D., Oregon State University; Affiliate Associate Research Professor, Alaska Ocean Observing System, School of Fisheries and Ocean Sciences, University of Alaska Fairbanks; **Karina Nielsen**, 2000-2003; Ph. D., OSU; Associate Professor, Sonoma State University; **Francis Chan**, 2001-2004, Ph.D., Cornell University; Assistant Professor, Senior Research, OSU; **Michael Webster**, 2001-2004; Ph. D., OSU; Executive Director, The Coral Reef Alliance, Oakland, CA; **Tess Friedenborg**, 2002-2004; Ph. D., Senior Scientist, Marine Protected Areas Monitoring Enterprise, California Ocean Science Trust, Oakland CA; **Kimberly Heiman**, 2006-2008; Ph.D., Stanford; Instructor, Muhlenberg College, 2008-present; **Gil Rilov**, 2005-2007; PhD. Tel Aviv University; Senior Scientist, Department of Biology and Biotechnology, National Institute of Oceanography, Israel Oceanographic and Limnological Research, Haifa, Israel; **Karen McLeod** 2003-2007; PhD. OSU; Director of Science, COMPASS; **Sarah Dudas**, 2005-2009; Ph.D.; Canada Research Chair, University of Vancouver Island, Nanaimo, BC; **Kirsten Grorud-Colvert** 2006-2010; Ph.D. University of Miami; Schmidt Research Vessel Initiative Postdoctoral Fellow, 2010-2012.

Co-Sponsor for Assistant Professor, Senior Research positions (joint with B.A. Menge):

2000-2001 Gary Allison
2001-2003 Brian Grantham
2004-2009 Francis Chan

2004-2006 Allen Milligan
 2007-2008 Gil Rilov
 2009-2009 Kristen Milligan
 2014-present Kirsten Grorud-Colvert

1998-2008 Undergraduate Students working on research projects or theses

(Most advised jointly with B.A. Menge):

1998-2003 (Undergraduates; all from OSU unless otherwise indicated)

Erin Breck, Melissa Foley, Sherine Bridges (McNair Fellow), Jamie Furler, April Cameron (International Degree), Maria Kavanaugh, Molly Dutton, Arianna Sutton (Honors College and International Degree), Janette Ehlig, Sheri Etchemendy, Seth White; Thom Young.

2005 (Undergraduates; all from OSU unless otherwise indicated)

Jean Ahrens (Colorado College), Leslie Armitage, Katie Ashford (University of Wales, Bangor), Stephanie Busch, Ryan Craig, Robert Cressman, Ryan Driscoll (University of Miami), Ester Eder, Lindsay Fitzgerald, Alyssa Harris, Wes Haynes, Jesse Hilderbrand, Ryan Hilgris (Michigan State), Susan Holmes (UC Santa Cruz) Kayleigh Huhes (University of Wales, Bangor), Ibrahim Hussain, Jammie Kohen (Warren Wilson College), Kristen Lycett, Sarah Messinger, Gayle Murphy, Stephanie Orlaineta, Ashley Rogers (Reed College), Josh Schuening, Julia Sobolik, Jordan Stewart, Jason Thomas, Nicole Yierney, Frances Weeks.

2006 (Undergraduates; all from OSU unless otherwise indicated)

Ryan Hilgris (Michigan State), Ben Campbell, Kat Krieg, Travis Lewis, Marissa Matsler, Jenn Noell, Josh Schuening, Ryan Driscoll (University of Miami), Ester Elder, Lindsey Fitzgerald, Gayle Murphy.

2007 (Undergraduates; all from OSU unless otherwise indicated)

Trista Baxter, Ryan Craig, Alison Dauble, Esther Eder, Emily Gamelin, Christine Hansen, Colin Jones, Kate Krieg, Kristen Lycett, Kristina McCann-Grosvenor, Gayle Murphy, Jenn Noell, Reed Ozretich, Wren Patton, Megan Poole, Katie Schmidt, Claire Shapleigh, Justin Silbernagel, Megan Wolf.

2008 (Undergraduates; all from OSU unless otherwise indicated)

Charlotte Alvord, Jason Bazzano, Nick Belfry, Conner Blaustein, Carrie Craig (University of Washington), Ryan Craig, Ashley Davidson, Colby Fisher, John Foster, Lindsay Hunter, David Jaffee, Tim Kehl (University of Guelph), Christine Lastovica, Beth Lenker, Brad McDonald (Boston College), Gayle Murphy, Camryn Pennington (University of Puget Sound), Megan Poole, Alexis Rife (Boston College), Brandon Russell (Boston College), Erin Seale (California State Fullerton), Alice Smoker.

Currently enrolled Graduate Students - previously advised jointly with B.A. Menge; as of March 2009 advised solely by B.A. Menge while JL was on leave at NOAA; degree program indicated and fellowships;):

Jeremy Rose, Ph.D. (NSF Fellow)

University Service through 2008:

Marine Physiology Position Search Committee, Department of Zoology, Co-Chair, 1996; Harold and Leona Rice Professorships, Entomology, Search Committee, 1996-7; American Women in Science, 20 year Anniversary Committee, 1996-7; Clara and Fred Horne Scholarship Committee, 1996; Chair's Advisory Committee, Department of Zoology, 1996-9; John V. Byrne University Lecture Series Committee, 1997-2005; Biology Colloquium Organizing Committee, 1997-8; OSU Distinguished

Professor Selection Committee, 1998; Director, Center for Salmon Disease Research, Search Committee, 1998-99; Greenhouse Gas Committee, 1997-99; host for 3 Honorary Degree recipients for 1999 Commencement; Search Committee for the College of Science Dean, 2000-2001; Organizing Committee for Dept of Philosophy's Ideas Matter Fall 2002 Seminar Series: Rachel Carson's Legacy and Challenge, 2002. Ocean Principals Committee, 2002-2009; Search Committee, Department of Zoology, Terrestrial Conservation Ecology faculty position, 2002-2003; Welcome talk at Saturday Academy ASE, 2003; Search Committee, Spaniol Chair, College of Forestry 2004; Guest speaker, TRIAD, April 2004; Guest speaker at Honors College Women's Symposium, 2004; Commencement Address, OSU Graduate School Graduation, 2004; Climate Impacts on the Pacific Northwest: A Scientific Workshop, organizing committee, OSU June 2004; College of Forestry 2005, Guest speaker; OSU PeaceSlam, keynote speaker, November 2005; Special Seminar, Zoology Department, 2006; Hatfield Marine Science Center October 2006, Guest Speaker; Ocean Principals 2002-2009; Gilfillan Award Lecturer June 2007; TRIAD speaker, 2007; Departmental Affairs Committee, Co-Chair, Dept of Zoology, 2006-present; Speaker at OSU Capital Campaign Launch Gala Dinner, 2007; speaker at College of Science Board of Visitors 'Breakthroughs in Science' donor event, 2008.

University Service 2013-present:

Department of Integrative Biology Executive Committee, 2013-14. Guest lectures in FES 565 (Salwasser); Z507 (McLeod and Mason); invited guest speaker for Research Advances in Fisheries and Wildlife Ecology Symposium – student-led.

Professional Memberships:

American Association for the Advancement of Science
 American Institute of Biological Sciences
 British Ecological Society (honorary member for life)

Ecological Society of America
 Association for Women in Science
 American Society of Naturalists (Honorary Member for life)