

January 23, 2012

The President
The White House
1600 Pennsylvania Avenue NW
Washington, DC 20500

Secretary Salazar
Department of the Interior
1849 C Street NW
Washington, DC 20240

Dear President Obama and Secretary Salazar,

Decisions about resource extraction on the Outer Continental Shelf should be based on sound scientific information. Your administration first displayed a strong commitment to science during the President's inaugural address in 2009. This commitment was underscored by Secretary Salazar's announcement on March 31, 2010 when, as a part of a three-pronged approach to Outer Continental Shelf oil and gas development, he directed the U.S. Geological Survey (USGS) to conduct an evaluation of science needs and gaps in the U.S. Arctic Ocean. The evaluation would help the Department of the Interior determine how best to "...conduct scientific analyses to gather the information we need to develop resources in the right places and the right ways."¹

The USGS completed its task in June 2011, releasing USGS Circular 1370: *An Evaluation of the Science Needs to Inform Decisions on Outer Continental Shelf Energy Development in the Chukchi and Beaufort Seas, Alaska*. The report is commendably objective and broad-ranging. We are grateful to the Secretary of the Interior for commissioning it and to the authors of and contributors to the report for their hard work. The report's 62 recommendations indicate many pressing needs including:

- further research on the physical and biological environment of the region,
- studies on specific aspects of the life history of important species,
- the development of a comprehensive monitoring program that can detect environmental change and identify the drivers of such change,
- the synthesis of existing information in order to answer key questions including the identification of ecologically significant areas,
- an assessment of cumulative impacts from multiple sources,
- greater inclusion of the traditional knowledge of Arctic residents,
- the creation of a data management system that provides timely sharing of information from all research activities, and
- a closer integration of scientific studies and findings with decisions being made about offshore industrial activity.

¹ Department of the Interior, U.S. Geological Survey overview, from Office of the regional executive, 4210 University Drive, Anchorage, Alaska 99508

We, the undersigned 573 research scientists, call upon the Administration to follow through on its commitment to science by acting on the USGS recommendations. Doing so prior to authorizing new oil and gas activity in the Arctic Ocean will respect the national significance of the environment and cultures of U.S. Arctic waters and demonstrate the value that your Administration places on having a sound scientific basis for managing industrial development of the Outer Continental Shelf.

Sincerely,

F. Stuart Chapin III, Ph.D.
Professor Emeritus
University of Alaska, Fairbanks

Charles H. "Pete" Peterson, Ph.D.
Professor
University of North Carolina, Chapel Hill

Paul Dayton, Ph.D.
Professor
Scripps Institution of Oceanography

Stuart Pimm, Ph.D.
Doris Duke Chair of Conservation Ecology
Duke University

Sylvia Earle, Ph.D.
Explorer in Residence
National Geographic Society

Peter Raven, Ph.D.
President Emeritus
Missouri Botanical Garden

Henry P. Huntington, Ph.D.
Science Director, Arctic Program
Pew Environment Group

Terry L. Root, Ph.D.
Senior Fellow
Woods Institute for the Environment, Stanford University

Christopher Krenz, Ph.D.
Arctic Project Manager
Oceana

Stanley Senner, M.S.
Director of Conservation Science
Ocean Conservancy

John Ogden, Ph.D.
Professor Emeritus
University of South Florida

Melanie A. Smith, M.S.
Landscape Ecologist
Audubon Alaska

Gordon Orians, Ph.D.
Professor Emeritus
University of Washington

Alan Springer, Ph.D.
Research Professor
University of Alaska, Fairbanks

Robert T. Paine, Ph.D.
Professor Emeritus of Biology
University of Washington

John M. Teal, Ph.D.
Scientist Emeritus
Woods Hole Oceanographic Institute

Daniel Pauly, Ph.D.
Professor
University of British Columbia

Oran Young, Ph.D.
Research Professor
University of California, Santa Barbara

CC: Dr. John Holdren, Director, Office of Science and Technology Policy
David Hayes, Deputy Secretary, Department of the Interior

Josef Ackerman, Ph.D.
Professor
University of Guelph

Leslie Adams, Ph.D.
Adjunct Professor of Ecology
New Hampshire Institute of Art

Frederick Adler, Ph.D.
Professor
University of Utah

Dr. Jose Luis Alcantara, Ph.D.
Colegio de Postgraduados

Dr. John Alderete, Ph.D.
Simon Fraser University

Vera Alexander, Ph.D.
Professor and Dean Emerita
University of Alaska, Fairbanks

Bengt Allen, Ph.D.
Assistant Professor
California State University, Long Beach

James Allen, Ph.D.
Professor
University of Alaska, Fairbanks

Darwin Anderson, Ph.D.
Professor Emeritus
University of Saskatchewan

Todd Anderson, Ph.D.
Professor of Biology and Director, Coastal and
Marine Institute
San Diego State University

Scott Armbruster, Ph.D.
Senior Research Scientist
University of Alaska

Ted Auch, Ph.D.
Postdoc
Cleveland Botanical Garden

John C. Avise, Ph.D.
Distinguished Professor of Ecology and
Evolution
University of California, Irvine

Andrew Baker, Ph.D.
Associate Professor
University of Miami

Charles Scott Baker, Ph.D.
Professor
Oregon State University

Bruce Baldwin, Ph.D.
Professor of Integrative Biology & Curator of
the Jepson Herbarium
University of California, Berkeley

Grant Ballard, Ph.D.
Director of Climate Change and Informatics
PRBO Conservation Science

Colleen Barber, Ph.D.
Professor
Saint Mary's University

David Barber, Ph.D.
Professor and Director
University of Manitoba

Richard Barber, Ph.D.
Professor
Duke University

Frank Barnwell, Ph.D.
Professor Emeritus
University of Minnesota, Twin Cities

Spencer Barrett, Ph.D.
University Professor & Canada Research Chair
University of Toronto

Isabel C. Barrio, Ph.D.
Postdoctoral Fellow
University of Alberta

Brian Battaile, Ph.D.
Research Associate
University of British Columbia

Simone Baumann-Pickering, Ph.D.
Postdoctoral Researcher
UCSD Scripps Institution of Oceanography

Giovanni Bearzi, Ph.D.
Coordinator
Dolphin Biology & Conservation

Anne Beaudreau, Ph.D.
Assistant Professor
University of Alaska, Fairbanks

Dr. John Behrendt, Ph.D.
University of Colorado

Marc Belisle, Ph.D.
Professor
Université de Sherbrooke

Charles Bellamy, Ph.D.
Senior Insect Biosystematist
California Department of Food & Agriculture

Nelson Belzile, Ph.D.
Professor and Chair
Laurentian University

Merav Ben-David, Ph.D.
Professor
University of Wyoming

Simon Benhamou, Ph.D.
Research Director
Le Centre national de la recherche scientifique

Craig Benkman, Ph.D.
Professor
University of Wyoming

Carl Benson, Ph.D.
Professor of Geology and Geophysics, Emeritus
University of Alaska, Fairbanks

Andrea Bersamin, Ph.D.
Assistant Professor
University of Alaska, Fairbanks

Ingo Bethke, Ph.D.
Bjerknes Centre for Climate Research

Hongsheng Bi, Ph.D.
Assistant Professor
University of Maryland Center for
Environmental Science

David Bird, Ph.D.
Professor
McGill University

Jeff Black, Ph.D.
Professor
Humboldt State University

Bronwyn Bleakley, Ph.D.
Assistant Professor
Stonehill College

Walter Bock, Ph.D.
Professor
Columbia University

Anne Boettcher, Ph.D.
Professor
University of South Alabama

Laura Bonesi, Ph.D.
University

Pablo G. Borboroglu, Ph.D.
Pew Fellow Research
National Research Council of Argentina and
Global Penguin Society

Brian Bornhold, Ph.D.
Vice-President/Adjunct Professor
Coastal & Ocean Resources Inc./SEOS University
of Victoria

Kimberly Bostwick, Ph.D.
Research Associate
Cornell University Museum of Vertebrates

William Bowden, Ph.D.
Patrick Chair of Watershed Science and
Planning
Rubenstein School, University of Vermont

William Bowman, Ph.D.
Professor
University of Colorado

Brad Boyle, Ph.D.
Research Associate
University of Arizona

Matthew Bracken, Ph.D.
Assistant Professor
Northeastern University

Uwe Brand, Ph.D.
Professor and Prof. Geoscientist
Brock University

Alexander Braun, Ph.D.
Professor
University of Texas at Dallas

Dr. Paul Broady, Ph.D.
University of Canterbury, Christchurch, New
Zealand

Robert Bromley, Ph.D.
Member of the Legislative Assembly, Northwest
Territories

Sandra Brooke, Ph.D.
Director of Coral Conservation
Marine Conservation Institute

Marjorie Brooks, Ph.D.
Assistant Professor
Southern Illinois University

Stephen Brown, Ph.D.
Director of Shorebird Science
Manomet Center for Conservation Sciences

Jesse Brunner, Ph.D.
Assistant Professor
Washington State University

Peter Brussard, Ph.D.
Professor Emeritus
University of Nevada, Reno

Jill Bubier, Ph.D.
Professor
Mount Holyoke College

Kate Buckeridge, Ph.D.
Post-doctoral Scientist
University of California, Santa Barbara

C. Guillermo Bueno, Ph.D.
Postdoc
University of Alberta

Fred Bunnell, Ph.D.
Professor Emeritus
University of British Columbia

Leif Burge, Ph.D.
Professor
Okanagan College

Dr. Alan Burger, Ph.D.
University of Victoria, Canada

Robert Burgess, M.S.
PhD Candidate
University of Alaska, Fairbanks

Peter Busher, Ph.D.
Professor and Chair
Boston University

Jeb Byers, Ph.D.
Associate Professor
University of Georgia

Michael Cain, Ph.D.
Research Associate
Bowdoin College

Antonio Camacho, Ph.D.
Professor
University of Valencia

Robin Cameron, Ph.D.
Associate Professor
McMaster University

Claudio Campagna, Ph.D.
Senior Conservation Zoologist
Wildlife Conservation Society

Jay Carlisle, Ph.D.
Research Director
Idaho Bird Observatory, Boise State University

Dustin Carroll M.S.
Research Assistant
Moss Landing Marine Laboratories

Geoff Carroll,
Area Wildlife Biologist
Alaska Department of Fish and Game

John Carroll, Ph.D.
Professor
University of Georgia

Diana Cartier, M.S.
Student
University

Nicolas Cassar, Ph.D.
Assistant Professor
Duke University

Douglas Chadwick, M.S.
Naturalist
Various National Publications

Nanette Chadwick, Ph.D.
Associate Professor
Auburn University

Daniel Chapdelaine, Ph.D.
Professor
Université du Québec à Montréal

Anthony Charles, Ph.D.
Professor
Saint Mary's University

Patrick Christie, Ph.D.
Associate Professor
University of Washington

J. Sook Chung, Ph.D.
Assistant Professor
University of Maryland Center for
Environmental Science -IMET

John Clague, Ph.D.
Professor
Simon Fraser University

Edward Clebsch, Ph.D.
Professor of Ecology and Evolutionary Biology
University of Tennessee, Knoxville

James Clegg, Ph.D.
Professor emeritus
UC Davis and Bodega Marine Laboratory

Erica Cline, Ph.D.
Assistant Professor
University of Washington, Tacoma

Gershon Cohen, Ph.D.
Project Director, Campaign to Safeguard
America's Waters
Earth Island Institute

Philippe S. Cohen, Ph.D.
Administrative Director
Stanford University, Jasper Ridge Biological
Preserve

David Coleman, Ph.D.
Distinguished Research Professor Emeritus
Odum School of Ecology, University of Georgia

Sandra Cooke, Ph.D.
Professor
Duke University

Dr. Rosie Cooney, Ph.D.
University of New South Wales

Leslie Cornick, Ph.D.
Associate Professor, Marine Biology
Alaska Pacific University

Jim Corven, Ph.D.
Professor of Biology
Bristol Community College

Robert Costanza, Ph.D.
University Professor of Sustainability
Portland State University

Jason Cotter, M.S.
Biologist
USDA-NRCS

Walter R. Courtenay, Jr., Ph.D.
Professor Emeritus
Florida Atlantic University

George W. Cox, Ph.D.
Professor
San Diego State University

Joel Cracraft, Ph.D.
Chair, Division of Vertebrate Zoology
American Museum of Natural History

Stephen Cumbaa, Ph.D.
Research Scientist, Earth Sciences
Canadian Museum of Nature

Richard Cunjak, Ph.D.
Professor
University of New Brunswick

Herbert Curl, Ph.D.
Senior Scientist, retired
Pacific Marine Environmental Laboratory, NOAA

Charles Curtin, Ph.D.
Professor
Antioch University

Mindaugas Dagys, Ph.D.
Senior Researcher
Nature Research Centre

Gretchen Daily, Ph.D.
Professor
Stanford University

Sasha Dall, Ph.D.
Senior Lecturer
University of Exeter

Mark Davis, Ph.D.
Professor
Macalester College

Steven de Jong, Ph.D.
Professor
Utrecht University

Shermin de Silva, Ph.D.
Executive Director
Colorado State University

Frederick Dean, Ph.D.
Professor Emeritus Wildlife Management
University of Alaska, Fairbanks
Institute of Arctic Biology

David Delaney, Ph.D.
Director of Research
Oceans

David Denlinger, Ph.D.
Distinguished University Professor
Ohio State University

Andrew Derocher, Ph.D.
Professor
University of Alberta

Terry Derting, Ph.D.
Professor
Murray State University

David DeSante, Ph.D.
Senior Scientist
The Institute for Bird Populations

Megan Dethier, Ph.D.
Research Professor
University of Washington

Antony Diamond, Ph.D.
Professor
University of New Brunswick

Thomas Dickinson, Ph.D.
Dean of Science
Thompson Rivers University

Rodolfo Dirzo, Ph.D.
Professor
Stanford University

Dr. Tiffany Doan, Ph.D.
Central Connecticut State University

Richard Douglass, Ph.D.
Professor
Montana Tech of the University of Montana

Jennifer Dreyer, M.S.
Marine Scientist Senior
Virginia Institute of Marine Science

Lawrence Duffy, Ph.D.
Dean of Graduate School
University of Alaska, Fairbanks

Kenneth Dunton, Ph.D.
Professor
The University of Texas at Austin

Ginny Eckert, Ph.D.
Associate Professor of Fisheries
University of Alaska, Fairbanks

Karen Eckert, Ph.D.
Executive Director
WIDECAST

Scott Eckert, Ph.D.
Professor and Chairman, Biology and
Natural Resources
Principia College

Evan Edinger, Ph.D.
Associate Professor
Memorial University

Michael Eichholz, Ph.D.
Associate Professor
Southern Illinois University Carbondale

Peter Eklöv, Ph.D.
Professor
Uppsala University

Deborah Elliott-Fisk, Ph.D.
Professor and Senior Lecturer
University of California, Davis

Michael English, Ph.D.
Professor
Cold Regions Research Centre,
Wilfrid Laurier University

Daniel Engstrom, Ph.D.
Director, St. Croix Watershed Research Station
Science Museum of Minnesota

Wendy Ermold, M.S.
Oceanographer
University of Washington

Gidon Eshel, Ph.D.
Research Professor
Bard College

Timothy Essington, Ph.D.
Professor
University of Washington

Eugenie Euskirchen, Ph.D.
Research Assistant Professor
Institute of Arctic Biology,
University of Alaska, Fairbanks

Jonathan Evans, Ph.D.
Professor of Biology
Sewanee: The University of the South

Dr. William Faber, Ph.D.
Natural Resources Instructor
College

Victoria Fabry, Ph.D.
Professor
California State University, San Marcos

Ian Falloona, Ph.D.
Associate Professor
University of California, Davis

Howard Feder, Ph.D.
Emeritus Professor of Marine Science
University of Alaska Fairbanks, School of
Fisheries and Ocean Science

Solange Filoso, Ph.D.
Research Assistant Professor
University of Maryland

Scott Findlay, Ph.D.
Professor
University of Ottawa

Doug Fischer, Ph.D.
Researcher
University of California, Santa Barbara

Dr. Lincoln Fishpool, Ph.D.
BirdLife International

Matthew Fitzpatrick, Ph.D.
Assistant Professor
University of Maryland

Thomas Fleischner, Ph.D.
Professor
Prescott College

Gwenn Flowers, Ph.D.
Associate Professor and Canada Research Chair
Simon Fraser University

Dr. Andrew Foggo, Ph.D.
Plymouth University

Nikolai Formozov, Ph.D.
Senior researcher
Lomonosov Moscow University

Graham Forrester, Ph.D.
Professor
University of Rhode Island

Miguel Franco, Ph.D.
Lecturer
Plymouth University

Gail Fraser, Ph.D.
Professor
York University

Lauch Fraser, Ph.D.
Professor and Canada Research Chair
Thompson Rivers University

William Fraser, Ph.D.
President and Lead Investigator
Polar Oceans Research Group

Art Fredeen, Ph.D.
Professor
University of Northern British Columbia

Kathryn Frost, M.S.
Affiliate Associate Professor
University of Alaska Fairbanks

Alan Fryar, Ph.D.
Associate Professor
University of Kentucky

Geoffrey Gallice, M.S.
Graduate Student
University of Florida

Matthew Garcia, M.S.
Graduate Research Assistant
University of Wisconsin, Madison

Michel Gauthier-Clerc, Ph.D.
Senior Research Scientist
Tour du Valat Research Centre

Brian Gaylord, Ph.D.
Associate Professor
University of California, Davis

Eli Geffen, Ph.D.
Professor
Tel Aviv University

Hal Geiger, Ph.D.
Chief Scientist
St. Hubert Research Group

Leah Gerber, Ph.D.
Associate Professor
Arizona State University

Anthony Gharrett, Ph.D.
Professor
University of Alaska, Fairbanks

Georgina Gibson, Ph.D.
Research Assistant Professor
International Arctic Research Center

Sarah Gilman, Ph.D.
Assistant Professor
Keck Science Department,
The Claremont Colleges

Jean-Guy Godin, Ph.D.
Professor of Biology
Carleton University

Scott Goetz, Ph.D.
Senior Scientist
Woods Hole Research Center

Michael Gonsior, Ph.D.
Assistant Professor
University of Maryland

Gwen Goodmanlowe, Ph.D.
Professor
California State University, Long Beach

Michael Gooseff, Ph.D.
Associate Professor
Penn State University,
Department of Civil Engineering

Linda Graham, Ph.D.
Professor
University of Wisconsin

Cornelis Grimmelikhuijzen, Ph.D.
Professor, Director
University of Copenhagen

Colin Groves, Ph.D.
Professor
Australian National University

John Guinotte, Ph.D.
Biogeographer
Marine Conservation Institute

John Gunn, Ph.D.
Canada Research chair for
Stressed Aquatic systems
Laurentian University

Karlene Gunter, Ph.D.
Professor (retired)
University of Rochester

Robert Guy, Ph.D.
Professor
University of British Columbia

Sigmund Hågvar, Ph.D.
Professor emeritus
Norwegian University of Life Sciences

Charles Halpern, Ph.D.
Research Professor
University of Washington

Steven Hamilton, Ph.D.
Director
Center of Excellence for Field Biology, Austin
Peay State University

James Hanken, Ph.D.
Director and Professor
Museum of Comparative Zoology, Harvard
University

John Harte, Ph.D.
Professor
University of California, Berkeley

Rodger Harvey, Ph.D.
Professor and Chair
Old Dominion University

Alan Hastings, Ph.D.
Distinguished Professor
University of California, Davis

Lorenz Hauser, Ph.D.
Associate Professor
University of Washington

Bradford Hawkins, Ph.D.
Professor
University of California, Irvine

Dr. Floyd Hayes, Ph.D.
Pacific Union College

Mark Heald, Ph.D.
Professor of Physics Emeritus
Swarthmore College

Detlev Helmig, Ph.D.
Professor
Colorado State University

Brian Helmuth, Ph.D.
Director and Professor
University of South Carolina

Kringen Henein, Ph.D.
Lecturer in Environmental Science
Carleton University

Luise Hermanutz, Ph.D.
Professor
Memorial University

Jesus Herranz, Ph.D.
Professor
Universidad Autónoma de Madrid

Jason Herreman, M.S.
Wildlife Biologist
North Slope Borough Department of Wildlife
Management

Malcolm Herstand, M.S.
Research Assistantship
University of Vermont

Russell Herwig, Ph.D.
Research Associate Professor
University of Washington

Ellen Hines, Ph.D.
Associate Professor
San Francisco State University

Mark Hixon, Ph.D.
Professor
Oregon State University

John Hobbie, Ph.D.
Senior Scholar
Marine Biological Laboratory, Woods Hole

Keith Hobson, Ph.D.
Adjunct Professor
University of Saskatchewan

Douglas Holdway, Ph.D.
Tier 1 Canada Research Chair in Aquatic
Toxicology, Professor of Ecotoxicology,
Associate Dean of Science
University of Ontario Institute of Technology

Karen Holl, Ph.D.
Professor
University of California, Santa Cruz

Robert Max Holmes, Ph.D.
Senior Scientist
Woods Hole Research Center

Roger Hooke, Ph.D.
Professor Emeritus
(Currently Research Professor)
University of Minnesota
(Currently at University of Maine)

Robert Hooper, Ph.D.

Director

Bonne Bay Marine Station,
Memorial University

Brian Horejsi, Ph.D.

Program Director

Speak Up For Wildlife Foundation

Markus Horning, Ph.D.

Associate Professor

Oregon State University

Richard Houghton, Ph.D.

Senior Scientist

Woods Hole Research Center

Karen Hughes, Ph.D.

Professor

University of Tennessee, Knoxville

Dr. Brian Hunt, Ph.D.

University of British Columbia

George Hunt, Ph.D.

Research Professor

University of Washington

Victoria Hust, M.A.

Trustee

Center for Circumpolar Studies

Jennifer Hutchings, Ph.D.

Research Assistant Professor

University of Alaska, Fairbanks

David Inouye, Ph.D.

Professor

University of Maryland

Darren Irwin, Ph.D.

Associate Professor

University of British Columbia, Vancouver

Carlos Iudica, Ph.D.

Associate Professor

Susquehanna University

Victoria Jackson, M.S.

Acting Lake Partner Program Coordinator

Ministry of the Environment

Stephen Jewett, Ph.D.

Research Professor of Marine Science

University of Alaska Fairbanks, School of
Fisheries and Ocean Sciences

Todd Johnson, M.S.

Graduate student

University of Wisconsin Madison

David W. Johnston, Ph.D.

Research Scientist

Nicholas School of the Environment, Duke
University

Jeremy Jones, Ph.D.

Professor

University of Alaska, Fairbanks

Dr. Anders Jonsson, Ph.D.

Umeå University

Evan Kane, Ph.D.

Research Scientist &

Research Assistant Professor

US Forest Service; Michigan Tech University

Aysel Karafistan, Ph.D.

Professor

Near East University

Erdem Karakoylu, Ph.D.

Postdoctoral scholar

University of Maryland

Lloyd Keigwin, Ph.D.

Senior Scientist

Woods Hole Oceanographic Institution

Chris Kellner, Ph.D.

Professor of Wildlife Science

Arkansas Tech University

William Michael Kemp, Ph.D.
Professor
University of Maryland,
Center for Environmental Science

Jeremy Kerr, Ph.D.
Professor
University of Ottawa

Peter Kerr, Ph.D.
Senior Insect Biosystematist
California Department of Food & Agriculture

Dr. Dietmar Keyser, Ph.D.
University of Hamburg, Zoology

Knut Kielland, Ph.D.
Associate Professor
University of Alaska, Fairbanks

William Kier, Ph.D.
Professor and Chair, Department of Biology
University of North Carolina at Chapel Hill

James Kirchner, Ph.D.
Professor and Director
Swiss Federal Research Institute WSL

Dr. David Anthony Kirk, Ph.D.
Aquila Conservation & Environment Consulting

Daniel Klem, Jr., Ph.D.
Sarkis Acopian Professor of Ornithology and
Conservation Biology
Muhlenberg College

Holger Klinck, Ph.D.
Assistant Professor
Oregon State University

Dr. Tony Koslow, Ph.D.
Scripps Institution of Oceanography

Peter Kotanen, Ph.D.
Associate Professor
University of Toronto

Burt Kotler, Ph.D.
Professor
Ben-Gurion University

Rebecca Kraimer, Ph.D.
Director
Consulting

Gail Krantzberg, Ph.D.
Professor
McMaster University

Scott Kraus, Ph.D.
Vice President, Research
New England Aquarium

Casey Krause, M.S.
Student
Frostburg State University

Leif Kullman, Ph.D.
Professor
Umeå University, Sweden

Saeko Kumagai, M.S.
Researcher

Mervi Kunnasranta, Ph.D.
Senior Researcher
University of Eastern Finland

Stephen Kunz,
Senior Ecologist
Schmid & Company, Inc., Consulting Ecologists

Susan Kutz, Ph.D.
Associate Professor
University of Calgary Faculty of Veterinary
Medicine

Timo Kuuluvainen, Ph.D.
Associate professor
University of Helsinki

Michael LaBarbera, Ph.D.
Professor
University of Chicago

Terri Lacourse, Ph.D.
Assistant Professor
University of Victoria

Dan Laffoley, Ph.D.
Professor and Marine Vice Chair
IUCN's World Commission on Protected Areas

Kevin Lamb, Ph.D.
Professor
University of Waterloo

Dr. Marcel Lambrechts, Ph.D.
Centre d'Ecologie Fonctionnelle & Evolutive,
Montpellier

Julia Larouche, M.S.
Graduate Student
University of Vermont

William Laurance, Ph.D.
Distinguished Research Professor &
Australian Laureate
James Cook University

Isabelle Laurion, Ph.D.
Professor
INRS-ETE, Université du Québec

Dennis Lavrov, Ph.D.
Associate professor
Iowa State University

Mary Beth Leigh, Ph.D.
Associate Professor
University of Alaska, Fairbanks

Jay Lennon, Ph.D.
Assistant Professor
Michigan State University

Luc Lens, Ph.D.
Professor of Terrestrial Ecology
Ghent University

George H. Leonard, Ph.D.
Director
Ocean Conservancy

Marty Leonard, Ph.D.
Professor
Dalhousie University

Christopher Lepczyk, Ph.D.
Assistant Professor
University of Hawaii

Dr. Fabio Lepori, Ph.D.
University of Lyon I, Lyon, France

David Lesbarreres Ph.D.
Associate Professor
Laurentian University

Evelyn Lessard, Ph.D.
Professor
University of Washington

Leanne Lestak
GIS Specialist
University of Colorado

Simon Levin, Ph.D.
Professor
Princeton University

William Lidicker, Ph.D.
Professor Emeritus
University of California, Berkeley

Sandra Lindstrom, Ph.D.
Adjunct Professor
University of British Columbia

Martin Lodenius, Ph.D.
D.Sc.
University of Helsinki

Javier Lopez de Casenave, Ph.D.
Professor
Universidad de Buenos Aires

Arnon Lotem, Ph.D.
Professor
Tel-Aviv University

Heike Lotze, Ph.D.
Canada Research Chair in Marine
Renewable Resources
Dalhousie University

James Lovvorn, Ph.D.
Professor
Southern Illinois University

Lloyd Lowry, M.S.
Affiliate Associate Professor
University of Alaska

Wendy Loya, Ph.D.
Ecologist
The Wilderness Society

Nina Lundholm, Ph.D.
Associate Professor
University of Copenhagen

Michael MacCracken, Ph.D.
Chief Scientist for Climate Change Programs
Climate Institute

Sheila Macfie, Ph.D.
Associate professor
University of Western Ontario

Stephen MacLean, Ph.D.
Professor Emeritus
University of Alaska Fairbanks

Dale Madison, Ph.D.
Professor
The State University of New York, Binghamton

Kimberley Maher, M.S.
Energy Education Specialist
University of Alaska, Fairbanks

Kelly Major, Ph.D.
Associate Professor
University of South Alabama

Marvin Makinen, Ph.D.
Professor
University of Chicago

Michael Mann, Ph.D.
Professor, and Director of
Earth System Science Center
Penn State University

James Marden, Ph.D.
Professor
Penn State University

Tim Maret, Ph.D.
Professor
Shippensburg University

Shawn Marshall, Ph.D.
Professor and Acting Executive Director
Arctic Institute of North America,
University of Calgary

André L. Martel, Ph.D.
Research Scientist, Marine Biologist
Canadian Museum of Nature

Pat Martin, Ph.D.
Professor
University

Jerome Marty, Ph.D.
Research Scientist
St Lawrence River Institute

Juan Masello, Ph.D.
Research Scientist
Max Planck Institute for Ornithology

Wieslaw Maslowski, Ph.D.
Research Professor
Naval Postgraduate School

Hiroyuki Matsuda, Ph.D.
Risk Money Professor
Yokohama National University

Saburo Matsui, Ph.D.
Emeritus Professor
Kyoto University

Robert May, Ph.D.
Professor Lord
University of Oxford

Kevin McCann, Ph.D.
Professor
University of Guelph

Daniel McCarthy, Ph.D.
Associate Professor
Brock University

James McCarthy, Ph.D.
Professor of Oceanography
Harvard University

Harry McCaughey, Ph.D.
Professor
Department of Geography,
Queen's University

Karen McCullough Ph.D.
Academic Editor and Adjunct Professor
The Arctic Institute of North America,
University of Calgary

Lee McDavid, M.A.
Program Manager
Dartmouth College

Ruth McDowell
Ph.D. candidate
University of Alabama, Birmingham

Eliot McIntire, Ph.D.
Research Scientist
Natural Resources Canada

Marla McIntosh, Ph.D.
Professor
University of Maryland

Mark McPeck, Ph.D.
David T. McLaughlin Distinguished Professor of
Biological Sciences
Dartmouth College

Megan McPhee, Ph.D.
Assistant professor
University of Alaska, Fairbanks

Gary Meffe, Ph.D.
Adjunct Professor
University of Florida

David Mellinger, Ph.D.
Professor
Oregon State University

Juha Merila, Ph.D.
Professor
University of Helsinki

Jeffrey Miner, Ph.D.
Associate Professor & Chair
Biological Sciences,
Bowling Green State University

Marija Minic, M.S.
Biologist
Independent Consultant

Brian Mitchell, Ph.D.
Research Scientist
UCSD Scripps Institution

Myron Mitchell, Ph.D.
Distinguished Professor
State University of New York-ESF

Kirk Moloney, Ph.D.
Associate Professor
Iowa State University

Lance Morgan, Ph.D.
Vice President of Science
Marine Conservation Institute

Steven Morgan, Ph.D.
Professor
University of California Davis

Franz Mueter, Ph.D.
Assistant Professor
University of Alaska

Jens Muhle, Ph.D.
Project Scientist
Scripps Institution of Oceanography, UCSD

John Mull, Ph.D.
Professor
Weber State University

Lauren Mullineaux, Ph.D.
Senior Scientist
Woods Hole Oceanographic Institution

Peter J. Mumby, Ph.D.
Professor
University of Queensland

Steve Murphree, Ph.D.
Professor of Biology
Belmont University

Dennis Murray, Ph.D.
Canada Research Chair
Trent University

Katherine Myers, Ph.D.
Research Scientist (Retired)
University of Washington

Katherine W Myers, Ph.D.
Retired Fishery Scientist
University of Washington

Knute Nadelhoffer, Ph.D.
Professor, Director- UM Biological Station
University of Michigan

Liubov Nagorskaya, Ph.D.
Leading Research Scientist
The National Academy of Sciences of Belarus

Kenneth Nagy, Ph.D.
Research Professor
University of California, Los Angeles

Robert J. Naiman, Ph.D.
Professor and UNESCO Chair in Sustainable
Rivers
University of Washington

Susan Natali, Ph.D.
Postdoctoral researcher
University of Florida

Helen Neville, Ph.D.
Research Scientist
Trout Unlimited

Gabrielle Nevitt, Ph.D.
Professor
University of California, Davis

Ezra Newman, Ph.D.
Professor
University of Pittsburgh

Marji Niemi, M.S.
Researcher
University of Eastern Finland

Lawrence Niles, Ph.D.
Chief Scientists
Conserve Wildlife Foundation of NJ

Amy Norris, M.S.
Research Fellow
Boston University

Ken Norris, Ph.D.
Professor
University of Reading, UK

Richard Norris, Ph.D.
Professor
UCSD Scripps Institution of Oceanography

Elliott Norse, Ph.D.
President
Marine Conservation Institute

Mark Nuttall, Ph.D.
Professor and Henry Marshall Tory Chair
University of Alberta

Kristin O'Brien, Ph.D.
Associate Professor of Biology
University of Alaska Fairbanks

Mikael Ohlson, Ph.D.
Professor
Norwegian University of Life Sciences

Thomas Okey, Ph.D.
Adjunct Professor
University of Victoria

Julian Olden, Ph.D.
Professor
University of Washington

Link Olson, Ph.D.
Curator of Mammals and Associate Professor
University of Alaska Museum,
University of Alaska Fairbanks

Steffen Oppel, Ph.D.
Senior Conservation Scientist
Royal Society for the Protection of Birds

John Orrock, Ph.D.
Assistant Professor
University of Wisconsin

Karen Osborn, Ph.D.
Research Zoologist
Smithsonian Institution

Richard Ostfeld, Ph.D.
Senior Scientist
Cary Institute of Ecosystem Studies

Sarah Otto, Ph.D.
Professor
University of British Columbia

Jonathan Overpeck, Ph.D.
Director, Institute of Environment
University of Arizona

Christine Paige, M.S.
Wildlife Biologist
Consultant

Wendy Palen, Ph.D.
Assistant Professor and Canada Research Chair
of Aquatic Conservation
Simon Fraser University

Snaebjorn Palsson, Ph.D.
Associate Professor
University of Iceland

Rosana Paredes, Ph.D.
Post-doctoral Research Associate
Oregon State University

Dr. Aristeidis Parmakelis, Ph.D.
University of Athens

ECM Parsons, Ph.D.
Associate Professor
George Mason University

Judith Patterson, Ph.D.
Associate Professor
Concordia University, Montreal, Quebec

Dr. Geoff Patton, Ph.D.
Federal Agency

Megan Paustian, Ph.D.
Collection Manager
Carnegie Museum of Natural History

Lindsey Peavey, M.S.
PhD Student
University of California, Santa Barbara

Liba Pejchar, Ph.D.
Assistant Professor
Colorado State University

Emilien Pelletier, Ph.D.
Professor
University of Quebec, Rimouski

Wm. Richard Peltier, Ph.D.
University Professor of Physics and Director of
the Centre for Global Change Science
University of Toronto

Changhui Peng, Ph.D.
Professor
University of Quebec, Montreal

Bruce Peterson, Ph.D.
Senior Scholar
Marine Biological Laboratory

Anna Pidgeon, Ph.D.
Assistant Professor
University of Wisconsin, Madison

Christopher Pincetich, Ph.D.
Marine Biologist
Turtle Island Restoration Network

Maryline Pioz, Ph.D.
Post-Doc Researcher
CIRAD

Jay Pitocchelli, Ph.D.
Professor of Biology
Saint Anselm College

Lauren Porensky, Ph.D.
PhD Candidate
University of California, Davis

Vera Pospelova, Ph.D.
Associate Professor
University of Victoria, SEOS

Eric Post, Ph.D.
Professor
Penn State University

Roger A. Powell, Ph.D.
Professor Emeritus
North Carolina State University

Mary Power, Ph.D.
Professor
University of California Berkeley

Vladimir Pravosudov, Ph.D.
Associate Professor
University of Nevada Reno

Dr. Lynda Prior, Ph.D.
University of Tasmania

Ellen Pullekines, M.S.
Graduate Student
Northeastern University

David Punter, Ph.D.
Professor
University of Manitoba

Robert Pyle, Ph.D.
Founder
The Xerces Society

Mirwais Qaderi, Ph.D.
Assistant Professor
Mount Saint Vincent University

Antonieta Quigg, Ph.D.
Associate Professor
Texas University

James Quinn, Ph.D.
Professor of Biology
McMaster University

Tom Quinn, Ph.D.
Professor
University of Denver

Nancy Rabalais, Ph.D.
Executive Director and Professor
Louisiana Universities Marine Consortium

José Luis Rangel-Salazar, Ph.D.
Professor
The Mexican College of the Southern Frontier

G. Carleton Ray, Ph.D.
Research Professor
University of Virginia

Andrew Read, Ph.D.
Associate Professor
Duke University

Richard Reading, Ph.D.
Vice President for Conservation
Denver Zoological Foundation

Dr. Ginger Rebstock, Ph.D.
Department of Biology, University of
Washington

Mark Rehfisch, Ph.D.
Director of Development
(former Head of Wetland Ecology)
British Trust for Ornithology, Research NGO

Donald Reid, Ph.D.
Conservation Zoologist
Wildlife Conservation Society Canada

Kelly Reiss, Ph.D.
Research Scientist
University of Florida

Marcel Rejmanek, Ph.D.
Professor of Ecology
University of California, Davis

Rosalind Renfrew, Ph.D.
Conservation Biologist
Vermont Center for Ecostudies

Ann F. Rhoads, Ph.D.
Senior Botanist
University of Pennsylvania

Julie Richmond, Ph.D.
Assistant Professor
University of North Florida

Lukas Rinnhofer, M.S.
University of Innsbruck, Austria

Gordon Robinson, Ph.D.
Professor
University of Manitoba

Daniel Roby, Ph.D.
Professor
Oregon State University

Christopher Rogers, Ph.D.
Professor
Biology/Wichita State University

Dr. Jessica Rogers, Ph.D.
State University of New York, Jefferson

Alexandra Rose, Ph.D.
Professor
University of Wyoming

David Rosen, Ph.D.
Research Scientist
University of British Columbia

Andrew A. Rosenberg, Ph.D.
Professor
University of New Hampshire

Nigel Roulet, Ph.D.
James McGill Professor of Biogeoscience &
Director, GEC3
McGill University

Richard Roy, Ph.D.
Professor
McGill University

Martha Ruben, Ph.D.
Consultant & Freelance Writer
University & Government

Roger Ruess, Ph.D.
Professor
University of Alaska

James Rusak, Ph.D.
Research Scientist
Dorset Environmental Science Centre

Ron Russell, Ph.D.
Associate Professor
Saint Mary's University

Pamela Rutherford, Ph.D.
Associate Professor
Brandon University

John Ryan, Ph.D.
Oceanographer
Non-profit

Jeffery Saarela, Ph.D.
Research Scientist
Canadian Museum of Nature

Koen Sabbe, Ph.D.
Professor
Ghent University

Heather Saffert, Ph.D.
Staff Scientist
Clean Ocean Action

Carl Safina, Ph.D.
Founding President,
Blue Ocean Institute
Stony Brook University

Eric Sager, Ph.D.
Professor
Fleming College

Nicanor Saliendra, Ph.D.
Ecologist
USDA ARS

Lawrence Sanford, Ph.D.
Professor
University of Maryland Center for
Environmental Science

Robert Sanford, Ph.D.
Professor and Director
School Earth Science & Environmental
Sustainability, Northern Arizona University

Peter Santschi, Ph.D.
Professor
Texas A&M University, Galveston

Sherry Schiff, Ph.D.
Professor
University of Waterloo

Carl Schlichting, Ph.D.
Professor
University of Connecticut

Carl Schoch, Ph.D.
Adjunct Professor
University of Alaska

Dr. Stephan Schoech, Ph.D.
University of Memphis

John W. Schoen, Ph.D.
Wildlife Ecologist & Senior Scientist (retired)
Audubon Alaska

Hans Schreier, Ph.D.
Professor
Faculty of Land & Food Systems,
University of British Columbia, Canada

Mary Schwanke, Ph.D.
Professor
University of Maine, Farmington

David Scott, Ph.D.
Professor
Dalhousie University, Halifax, Nova Scotia

Ricardo Scrosati, Ph.D.
Professor
University

David Secord, Ph.D.
Director of Strategic Programs
Tides Canada Foundation

Cagan H. Sekercioglu, Ph.D.
Biology Professor
University of Utah

Emily Seldomridge, M.S.
PhD Candidate
University

Isabel Sena, Ph.D.
Professor
Sarah Lawrence College

George Sevastopulo, Ph.D.
Professor
Trinity College Dublin

Alan Shanks, Ph.D.
Professor Marine Biology
University of Oregon,
Oregon Institute of Marine Biology

Barry Sherr, Ph.D.
Professor
Oregon State University-CEOS

Thomas Sherry, Ph.D.
Professor
Tulane University

Geoffrey Shester, Ph.D.
California Program Director
Oceana

Susan Shirley, Ph.D.
Research Associate
Oregon State University

Thomas Shirley Ph.D.
Professor
Texas A&M University, Corpus Christi

Dr. Jeffrey Short, Ph.D.
JWS Consulting LLC

Joe Shorthouse, Ph.D.
Professor of Environmental Biology
Laurentian University

Priya Shukla
Alumna
University of California, Davis

Dave Shutler, Ph.D.
Professor
Acadia University

Paul Sibley, Ph.D.
Professor
University of Guelph

Francisco J. Silva, Ph.D.
Professor
University of Valencia, Spain

Suzanne Simard, Ph.D.
Professor
University of British Columbia

D. Scott Slocombe, Ph.D.
Professor
Wilfrid Laurier University

Melanie Smith, M.S.
Landscape Ecologist
Audubon Alaska

Sharon Smith, Ph.D.
Professor and Chair
University of Miami

Val Smith, Ph.D.
Professor
University of Kansas

Winston Smith, Ph.D.
Principal Wildlife Scientist (retired)
USDA Forest Service,
Pacific Northwest Research Station

William Smoker, Ph.D.
Professor Emeritus
University of Alaska, Fairbanks

Dana Snyder, Ph.D.
Professor Emeritis
University of Massachusetts, Amherst

Richard Somerville, Ph.D.
Distinguished Professor Emeritus and
Research Professor
Scripps Institute of Oceanography,
University of California, San Diego

Heidi M. Sosik, Ph.D.
Senior Scientist
Woods Hole Oceanographic Institution

George Spangler, Ph.D.
Professor Emeritus
University of Minnesota

Wayne Spencer, Ph.D.
Senior Conservation Biologist
Conservation Biology Institute

Dr. Robert Spies, Ph.D.
Journal Editor

Stephen Spotte, Ph.D.
Adjunct Scientist
Mote Marine Laboratory

Chad Stachowiak
Technician
Virginia Tech

Peter Staehr, Ph.D.
Senior Scientist
University of Aarhus, Bioscience

Kathleen Stafford, Ph.D.
Senior Oceanographer
University of Washington

Robert Steneck, Ph.D.
Professor
University of Maine

Iain Stenhouse, Ph.D.
Adjunct Professor
University of Southern Maine

Nils Christian Stenseth Ph.D.
Professor
Centre for Ecological and Evolutionary Synthesis
(CEES), University of Oslo

Glenn Stewart, Ph.D.
Professor Emeritus of Biological Sciences
California State Polytechnic University, Pomona

Christopher Still, Ph.D.
Associate Professor
University of California Santa Barbara

James Stotts
President, Inuit Circumpolar Council Alaska
University of Alaska, Anchorage

Fiammetta Straneo, Ph.D.
Associate Scientist
Woods Hole Oceanographic Institution

Thomas Struhsaker, Ph.D.
Adjunct Professor
Duke University

Bridget Stutchbury, Ph.D.
Professor and Canada Research Chair
York University

Susan Sugai, Ph.D.
Associate Director, Center for Global Change
University of Alaska, Fairbanks

George Sugihara, Ph.D.
McQuown Chair Professor
Scripps Institution of Oceanography

Rashid Sumaila, Ph.D.
Director, Fisheries Center
University of British Columbia

Soren Svensson, Ph.D.
Professor
Department of Biology,
Lund university

Michael Swift, Ph.D.
Assistant Professor
St. Olaf College

Sarah Swope, Ph.D.
Research Ecologist
Government Agency

James Syvitski, Ph.D.
Executive Director and Professor
University of Colorado

Dennis Takahashi-Kelso, Ph.D.
Executive Vice President
Ocean Conservancy

Sherry Tamone, Ph.D.
Professor of Biology
University of Alaska Southeast

Stanley Temple, Ph.D.
Beers-Bascom Professor Emeritus in
Conservation
University of Wisconsin-Madison

Margaret Thayer, Ph.D.
Associate Curator
Field Museum of Natural History

Dr. Katherine Thibault, Ph.D.
NEON, Inc.

Deborah Tobin, Ph.D.
Assistant Professor
University of Alaska, Anchorage

Paul Torrence, Ph.D.
Professor Emeritus of Chemistry & Biochemistry
Northern Arizona University

Colin Townsend, Ph.D.
Director, Ecology Research
University of Otago, New Zealand

Christopher Traft
Biological Science Technician
U.S. Fish & Wildlife Service

Gene R. Trapp, Ph.D.
Professor Emeritus
California State University, Sacramento

Charles Trick, Ph.D.
Beryl Ivey Chair for Ecosystem Health
University of Western Ontario

Andrew Trites, Ph.D.
Professor
University of British Columbia

Piotr Tucholka, Ph.D.
Professor
Université de Paris Sud Orsay

Nancy Turner, Ph.D.
Distinguished Professor
University of Victoria

Dr. Mihai Valcu, Ph.D.
Max Planck Institute for Ornithology

James Valentine, Ph.D.
Professor Emeritus
University of California

Henk van der Werff, Ph.D.
Curator
Missouri Botanical Garden

Dr. Elie Verleyen, Ph.D.
Ghent University

Peter Vickery, Ph.D.
President
Center for Ecological Research

John Vierula, Ph.D.
Associate Professor of Biology
Carleton University

Amanda Vincent, Ph.D.
Canada Research Chair in Marine Conservation
The University of British Columbia

Ross Virginia, Ph.D.
Professor
Dartmouth College

Raimo Virkkala, Ph.D.
Leading Researcher
Finnish Environment Institute

Tobias Vrede, Ph.D.
Associate Professor
Swedish University of Agricultural Sciences

Peter Wadhams, Ph.D.
Professor of Ocean Physics
Cambridge University

Donald Waller, Ph.D.
Professor
University of Wisconsin, Madison

Brad B. Walters, Ph.D.
Professor of Geography &
Coordinator of Environmental Studies
Mount Allison University

Shiway Wang, M.S.
PhD Candidate
University of Alaska, Fairbanks

George H. Waring, Ph.D.
Professor Emeritus
Southern Illinois University Carbondale

Nils Warnock, Ph.D.
Executive Director
Audubon Alaska

Jon Warrenchuk, M.S.
Ocean Scientist
Oceana

Stuart Warter, Ph.D.
Professor of Biology (Emeritus)
California State University, Long Beach CA

Les Watling, Ph.D.
Professor
University of Hawaii at Manoa

David M Watson, Ph.D.
Professor
Charles Sturt University

Courtney Watt, Ph.D.
PhD Candidate
University of Manitoba

Marian Weber, Ph.D.
Adjunct Professor
University of Alberta

Lawrence J. Weider, Ph.D.
Professor and Director
University of Oklahoma Biological Station

Arthur Weis, Ph.D.
Director and Professor
University of Toronto

Judith Weis, Ph.D.
Professor
Rutgers University

Peter Weishampel, Ph.D.
Professor of Biology and Natural Resources
Northland College

Jeff Wells, Ph.D.
Visiting Fellow
Cornell University

Louis Whitcomb, Ph.D.
Professor
Johns Hopkins University

Sandra Whitehouse, Ph.D.
Senior Advisor
Consultant to Ocean Conservancy

John Whiteman, M.S.
PhD Candidate
University of Wyoming

Michael Williams, Ph.D.
Research Assistant Professor
University of Maryland Center for
Environmental Sciences

Dr. David Williamson, Ph.D.
James Cook University

Ryan Wilson, Ph.D.
Wildlife Ecologist
The Wilderness Society

Sarah Wilson, M.A.
Ocean Outreach Manager
National Geographic Society

W. Herbert Wilson, Jr., Ph.D.
Professor of Biology
Colby College

Josh Wisniewski, Ph.D.
Anthropologist
Port Gamble S'Klallam Tribe

Anna Zivian, Ph.D.
Senior Manager, MSP
Ocean Conservancy

Briana Witteveen, Ph.D.
Researcher
University of Alaska Fairbanks

Ramunas Zydelis, Ph.D.
Research Biologist
DHI

Christopher Woelk, Ph.D.
Assistant Professor
University of California San Diego

Larry Wolf, Ph.D.
Professor Emeritus
Syracuse University

Shaye Wolf, Ph.D.
Climate Science Director
Center for Biological Diversity

George M. Woodwell, Ph.D.
Director Emeritus
The Woods Hole Research Center

Kate Wynne, M.S.
Professor
University of Alaska, Fairbanks

Carmen Yeung, M.S.
Biologist
Ocean Conservancy

Yoram Yom-Tov, Ph.D.
Professor
Tel Aviv University

Steven Young, Ph.D.
Professor, Director Emeritus
Center for Circumpolar Studies

Lisan Yu, Ph.D.
Senior Scientist
Woods Hole Oceanographic Institution

Sam Zeveloff, Ph.D.
Professor of Zoology and Department Chair
Weber State University