

CURRICULUM VITAE
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SCOTT C. DONEY Senior Scientist

Department of Marine Chemistry and Geochemistry MS 25 Woods Hole Oceanographic Institution 266
Woods Hole Road Woods Hole, MA 02543

EDUCATION

Ph.D. Chemical Oceanography, September 1991, Massachusetts Institute of Technology-Woods Hole
Oceanographic Institution Joint Program, Woods Hole, MA 02543 Thesis titled: “*A Study of North
Atlantic Ventilation Using Transient Tracers*” (Dr. William
J. Jenkins, advisor)

B.A. Chemistry (*magna cum laude*), 1986, Revelle College, University of California at San Diego, La Jolla,
CA 92093

PROFESSIONAL EXPERIENCE

Woods Hole Oceanographic Institution, Dept. of Marine Chemistry and Geochemistry, Woods Hole, MA:
Associate Scientist with tenure (2002-2005); Senior Scientist (2005-present).

National Center for Atmospheric Research, Climate and Global Dynamics Division, Boulder, CO: Scientist I
(1993-1997); Scientist II (1997-1999); Scientist III (tenured) (1999-2002); Advanced Study Program
Postdoctoral Fellow (1991-1993).

Massachusetts Institute of Technology/Woods Hole Oceanographic Institution Joint Program, Cambridge and
Woods Hole, MA: NSF Graduate Fellow (1987-1990); Graduate Research Assistant WHOI and MIT
(1986-1987; 1990-1991).

Friday Harbor Laboratories, Student Participant in Ocean Circulation and Biogeochemical Cycles, summer
short-course, instructors J. Sarmiento and P. Rhines, (1990). University of California at San Diego,
Chemistry Department, La Jolla, CA: Grader (1984
1985); Teaching Assistant, Organic Chemistry (1985-1986). Goddard Institute for Space Studies, NASA,
New York, NY: Summer Intern (1985). Sea Education Association, Woods Hole, MA: Student Class W-76
(1984).

PROFESSIONAL AFFILIATIONS

- American Geophysical Union (AGU)
- The Oceanography Society (TOS)
- American Meteorological Society (AMS)
- Association for the Sciences of Limnology and Oceanography (ASLO)
- American Association for the Advancement of Science (AAAS)
- Sigma Xi

RESEARCH INTERESTS

- Marine biogeochemistry and ecosystem dynamics
- Ocean acidification
- Global carbon cycle
- Climate change

EXTERNAL PROFESSIONAL ACTIVITIES

National and International Science Program Leadership

Ocean Carbon and Biogeochemistry (OCB) Program (NSF, NASA & NOAA): Scientific Steering Committee, Chair (inaugural), 2006-2011 PI OCB Project Office, 2006-present

Community Climate System Model (CCSM) (NSF & DOE): Co-Chair Biogeochemistry Working Group, 1998-2007 Scientific Steering Committee, 2002-2010

U.S. Carbon Cycle Science Program (U.S. GCRP & Interagency Working Group): Scientific Steering Group, 2002-2011 Chair of Ocean Carbon and Climate Change (OCCC) Scientific Steering Group, 2005-2011 Chair of Ocean Implementation Group, 2002-2004

C-MORE, Center for Microbial Oceanography, Research, and Education (NSF Science and Technology Center): Science Team Member, 2006-present Theme IV (Modeling) Team Leader, 2006-present Executive Committee, 2006-present

CLIVAR/CO₂ Repeat Hydrography Scientific Steering Committee (NOAA & NSF), 2002-present

National Center for Ecological Analysis and Synthesis (NCEAS) Working Group, A framework to assess ecosystem health in support of ecosystem-based management of coastal-marine systems, leads K. McLeod, L. Crowder, A. Rosenberg, and M. Fogarty, 2010-present

Ocean Acidification Task Force (OATF) formed by the Ocean Research and Resources Advisory Panel (ORRAP) (a United State Federal Advisory Committee), taskforce member, 2010 - 2011

World Ocean Circulation Experiment (WOCE) (NSF & NOAA), U.S. Scientific Steering Committee, 1997-2002

Joint Global Ocean Flux Study (JGOFS) (NSF, NOAA & NASA):

- Synthesis and Modeling Project, Co-coordinator, 1997-2005
- Scientific Steering Committee, 1993-2003
- and International North Atlantic Planning Groups, 1994-1996
- Time-Series Oversight Committee, 1996

Editorial Service American Institute of Physics *Physics Today*, Advisory Committee Member, 2009-2012

EGU *Ocean Science*, Editorial Advisory Board, 2009-present Faculty of 1000, Member Ecology Section, www.facultyof1000.com, 2004-present AAAS *Science* magazine, Board of Reviewing Editors, 2007-2011

Journal Editor:

Journal of Geophysical Research, Biogeosciences, Associate Editor, 2004-present *Global Biogeochemical Cycles*, Associate Editor, 2002-2004 *Reviews of Geophysics*, Associate Editor, 1997-2001

Guest Editor for Special Issues: The Future of Ocean Biogeochemistry in a High CO₂ World, *Oceanography*, **22**(4), 2009 Surface Ocean CO₂ Variability and Vulnerabilities, *Deep-Sea Res. II*, **56**(8-10), 2009

- JGOFS Synthesis and Modeling III, *Deep-Sea Res. II*, **53**(5-7), 2006
- JGOFS Synthesis and Modeling II, *Deep-Sea Res. II*, **50**(22-26), 2003
- JGOFS Synthesis and Modeling, *Deep-Sea Res. II*, **49**(1-3), 2002

National Science Foundation

Palmer Long-Term Ecological Research (PAL-LTER) team, 2008-present Geosciences Directorate, GEO Vision working group, 2006-2008 Geosciences Directorate Assistant Director Search Committee, 2007

Ocean Information Technology Initiative working group, 2003-2004 Ocean Carbon Cycle Research (OCCR) planning group, 2001-2003 Ocean Carbon Transport, Exchanges and Transformations planning group,

1999-2000

National Oceanic and Atmospheric Administration Climate Process Team, *Southern Ocean Water Mass Transformation and the Carbon Cycle*,
2007-2012

Pacific Marine Environmental Laboratory (PMEL), external reviewer 2008

Office of Global Programs, Global Carbon Cycle program advisory panel, 1999-2002 & 2006-2008

Carbon Observations Planning Group, 1999-2001

CIMAS Visiting Scholar, University of Miami and NOAA/AOML, 1996

National Aeronautics and Space Administration

Orbiting Carbon Observatory (OCO) Mission Science Team, 2002-2009 & Atmospheric CO₂ from Space (ACOS) team, 2009-present

SeaWiFS Science Team and Ocean Color Research Team, 1997-present

Aerosol-Cloud-Ocean Mission Concept Study Science Working Group, 2007

National Research Council

Committee Member, “*Development of an Integrated Science Strategy for Ocean Acidification Monitoring, Research, and Impacts Assessment*”, National Research Council Ocean Studies Board, 2009-2010

Committee Member, “*Stabilization Targets for Atmospheric Greenhouse Gas Concentrations*” National Research Council Board of Atmospheric Sciences & Climate, 2009-2010

Reviewer, “*Verifying Greenhouse Gas Emissions: Methods to Support International Climate Agreements*”, National Research Council, 2010.

Reviewer, “*Exploration of the Seas: Interim Report*”, National Research Council, 2003.

Congressional Testimony

- Senate Testimony, Committee on Commerce, Science and Transportation, *Nomination Hearing, Scott Doney to be Chief Scientist, National Oceanic and Atmospheric Administration, U.S. Department of Commerce* (Nov. 30th, 2010) (Nominated by President Obama for Presidential Appointment with Senate Confirmation position August 4th, 2010 in 111th Congress; renominated January 26th, 2011 in 112th Congress)

- House of Representatives Testimony, Committee on Science and Technology, Subcommittee on Energy and Environment, hearing on “*The Federal Ocean Acidification Research and Monitoring Act: H.R. 4174*” (June, 2008)

- Senate Testimony, Committee on Commerce, Science and Transportation, Subcommittee on Oceans, Atmosphere, Fisheries and Coast Guard, hearing on “*Effects of Climate Change and Ocean Acidification on Living Marine Resources*” (May, 2007)

American Geophysical Union

Search Committee, James B. Macelwane Medal, 2007 and 2008 Search Committee, Editor for *Global Biogeochemical Cycles*, 2004

The Oceanography Society

Council Member (at-large representative), 2009-2012

Non-profit Organizations

Communication Partnership for Science and the Sea (COMPASS), Science Advisor,

<http://www.compassonline.org/>, 2009-present

COMPASS Climate Initiative, Co-chair, 2009-present

Sea Education Association (SEA), Corporation overseer, 2006-present; Trustee, 2009-present

Other

H. Burr Steinbach Visiting Scholar, Woods Hole Oceanographic Institution, 2000 NCAR Biogeosciences Initiative, Project Lead, 2001-2002 Ecosystems Center, External Review Committee Member, the Marine Biological Laboratory, Woods Hole, 2009