

CURRICULUM VITAE
(updated January 15th, 2016)

SCOTT C. DONEY

Senior Scientist & Chair of Marine Chemistry and Geochemistry Department

Department of Marine Chemistry and Geochemistry MS 25

Woods Hole Oceanographic Institution

266 Woods Hole Road

Woods Hole, MA 02543

www.whoi.edu/sites/CBGC

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 (tenured) (2005-present); Director of WHOI Ocean and Climate Change Institute (2012-2014); Department Chair (2014-present)

Nominated by President Obama to be Chief Scientist, National Oceanic and Atmospheric Administration; Presidential Appointment with Senate Confirmation position; nominated August 4th, 2010 in 111th Congress; renominated January 26th, 2011 in 112th Congress; nomination withdrawn January 24th, 2012

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
- Ocean data analysis and numerical modeling

ACADEMIC HONORS

Thomson Reuters Highly Cited Researcher, cited in two separate disciplines Geosciences and Environment/Ecology, <http://highlycited.com/> and <http://sciencewatch.com/grr/presenting-highly-cited-researchers> , 2014

A.G. Huntsman Award for Excellence in Marine Science, Royal Society of Canada and Hunstman Foundation at the Bedford Institute of Oceanography, Canada, 2013

Fellow, American Association for the Advancement of Science (AAAS), 2010

W. Van Alan Clark Sr. Chair, Woods Hole Oceanographic Institution, 2007

American Geophysical Union, Editor's Citation for Excellence in Refereeing, *Global Biogeochemical Cycles*, 2005

Fellow, Aldo Leopold Leadership Program, 2004

Ocean and Climate Change Institute (OCCI) Fellow, Woods Hole Oceanographic Institution 2003-2006

James B. Macelwane Medal, American Geophysical Union, “*for significant contributions to the geophysical sciences by an outstanding young scientist*”, 2000

Fellow, American Geophysical Union, 2000

Outstanding Student Poster Award, American Geophysical Union, 1990

National Science Foundation Graduate Fellowship, 1987-1990

Urey Award, Dept. of Chemistry, University of California at San Diego, 1986

Phi Beta Kappa, 1986

University of California at San Diego Alumni Scholarship, 1983-1984

EXTERNAL PROFESSIONAL ACTIVITIES

National and International Science Program Leadership

National Climate Assessment (USGCRP), Convening Lead Author for Oceans and Marine Resources Chapter, 2011-2014

Ocean Carbon and Biogeochemistry (OCB) Program (NSF, NASA & NOAA):

Scientific Steering Committee: Chair (inaugural) 2006-2011; SSC member 2006-present
PI OCB Project Office, 2006-present

Palmer Long-Term Ecological Research (PAL-LTER) team, 2008-present

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, 2006-2010

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

Climate Decision Making Center (CDMC), Carnegie Mellon University (NSF Decision Making Under Uncertainty, DMUU), 2010-present
US CLIVAR - OCB Working Group on *Oceanic Carbon Uptake in the CMIP5 Models*, 2012-2014.
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, 2010-2012
Community Climate System Model (CCSM/CESM) (NSF & DOE):
Co-Chair Biogeochemistry Working Group, 1998-2007
CCSM Scientific Steering Committee, 2002-2010
Community Earth System Model Advisory Board (CAB), 2012-2015
U.S. Carbon Cycle Science Program (USGCRP & 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
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):
U.S. Synthesis and Modeling Project, Co-coordinator, 1997-2005
U.S. Scientific Steering Committee, 1993-2003
U.S. and International North Atlantic Planning Groups, 1994-1996
U.S. Time-Series Oversight Committee, 1996

Editorial Service

EGU *Ocean Science*, Editorial Advisory Board, 2009-present
American Institute of Physics *Physics Today*, Advisory Committee Member, 2009-2012
Faculty of 1000, Member Ecology Section, www.facultyof1000.com, 2004-2012
AAAS *Science* magazine, Board of Reviewing Editors, 2007-2011
Journal Editor:

Journal of Geophysical Research, Biogeosciences, Associate Editor, 2004-2011
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
U.S. JGOFS Synthesis and Modeling III, *Deep-Sea Res. II*, **53**(5-7), 2006
U.S. JGOFS Synthesis and Modeling II, *Deep-Sea Res. II*, **50**(22-26), 2003
U.S. JGOFS Synthesis and Modeling, *Deep-Sea Res. II*, **49**(1-3), 2002

National Science Foundation

Advisory Committee for Geosciences (AC-GEO), 2012-present; Chair AC-GEO Facilities Subcommittee, 2013-2014
Advisory Committee for Environmental Research and Education (AC-ERE), 2014-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

NOAA Climate Working Group, NOAA Science Advisory Board, 2012-2015
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

NASA EXport Processes in the Ocean from Remote Sensing (EXPORTS) Science Definition Team (SDT), 2015-2016.
Orbiting Carbon Observatory (OCO) Mission Science Team, 2002-2009 & Atmospheric CO₂ from Space (ACOS) team, 2009-present
Moderate Resolution Imaging Spectroradiometer (MODIS) Science Team, 2014-present
SeaWiFS Science Team (1997-2012) and Ocean Color Research Team, 1997-present
COOPEX-Controls on Open Ocean Productivity & EXport, member of writing team for a community science and implementation plan for a major field campaign, 2012-2015
Aerosol-Cloud-Ocean Mission Concept Study Science Working Group, 2007

National Academies and National Research Council

Steering Committee Member, “*Decadal Survey for Earth Science and Applications from Space*”, National Academies Space Studies Board, 2015-2017
Committee Member, “*Geoengineering Climate: Technical Evaluation and Discussion of Impacts*”, National Research Council Board on Environmental Change and Society, Ocean Studies Board, and Board on Atmospheric Sciences & Climate, 2013-2015
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, “*Review of the Federal Ocean Acidification Research and Monitoring Plan*”, National Research Council, 2013.
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

U.S. Senate Testimony, Committee on Environment and Public Works, hearing on “*Climate Change: It’s Happening Now*” (July 18th, 2013)
U.S. 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)
U.S. 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)

U.S. 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)

Intergovernmental Panel on Climate Change

Contributing author for IPCC Working Group I, Fifth Assessment Report chapter:

Ciais, P., C. Sabine, G. Bala, L. Bopp, V. Brovkin, J. Canadell, A. Chhabra, R. DeFries, J. Galloway, M. Heimann, C. Jones, C. Le Quéré, R.B. Myneni, S. Piao and P. Thornton, 2013: Carbon and Other Biogeochemical Cycles. In: *Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.

National Climate Assessment (NCA), U.S. Global Change Research Program

Convening lead author, Oceans and Marine Resources chapter, NCA3, 2014

Contributing author, Our Changing Climate chapter, NCA3, 2014

American Geophysical Union

Search Committee, Editor for *Global Biogeochemical Cycles*, 2004 and 2013

Panel updating AGU Ocean Research Position Statement, 2012

Search Committee, James B. Macelwane Medal, 2007 and 2008

The Oceanography Society

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

Consortium for Ocean Leadership

Council Member, Oceans and National Security Initiative, 2015-present

Non-profit Organizations

Sea Education Association (SEA), Corporation overseer, 2006-present; Trustee, 2009-2015; chair of Education Committee, 2012-2015

Association of Climate Change Officers (ACCO), Curriculum Committee for Training Bootcamp *Climate-103: The Basics of Sea Level Rise and Impacts on Coastal Assets & Infrastructure*, <http://www.accoonline.org/bootcamps/climate-103.html>, presented initially at ACCO Climate Strategies Forum, Washington, DC, June, 2015

National Network for Oceans and Climate Change Interpretation (NNOCCI) (joint effort among WHOI, New England Aquarium and the Frameworks Institute), Science Advisor, 2012-present

Sailors for the Sea, Science Advisor, 2012-present

COMPASS (<http://www.compassonline.org/>):

- Science Advisor, 2009-2012
- COMPASS Climate Initiative, Co-chair, 2009-2013
- Ocean Acidification Science Communication Workshop, Sept. 2012
- Mentor for Ocean Acidification Advanced Policy Training, 2014

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

WOODS HOLE OCEANOGRAPHIC INSTITUTIONAL ACTIVITIES

Marine Chemistry and Geochemistry Department Chair (2014-present)
Director of WHOI Ocean and Climate Change Institute (2012-2014)
Chief Development Officer (CDO) Search Committee, 2014
Unrestricted Budget Stabilization Task Force, 2014
Director and President Search Committee, 2006-2007
MIT/WHOI Joint Committee on Chemical Oceanography (JCCO), 2003-2007
Ocean and Climate Change Institute (OCCI), Institute Advisory Committee, 2003-2006
Information Technology Advisory Committee (ITAC), 2002-2006
Marine Chemistry and Geochemistry Dept. Faculty Hiring Committees: Chair, 2003; Member
Carbon-cycle Search (2009-2010)
Marine Chemistry and Geochemistry Dept., Faculty Mentorship Committees: Mak Saito, chair;
Dierdre Toole; Karen Casciotti; Rachel Stanley; Aleck Wang, chair

FIELD EXPERIENCE

Participant (^{234}Th -based export and ^{15}N -based new production), Palmer LTER Cruise, ARSV
Laurence M. Gould, western Antarctic Peninsula, Chief Scientist Oscar Schofield, Dec.
2013-Feb. 2014.
Participant, Palmer LTER Cruise, ARSV *Laurence M. Gould*, western Antarctic Peninsula,
Chief Scientist Hugh Ducklow, Dec. 2011.
Chief Scientist, A16S, CLIVAR/CO₂ Repeat Hydrography Program, R/V *Ronald H Brown*,
South Atlantic, (joint Chief Scientist w/ Rik Wanninkhof), Jan. and Feb. 2005.
Collection of *Trichodesmium* samples for physiological and genomic analysis, NSF N₂ Fixation
Biocomplexity Cruise (MANTRA), North Pacific, R/V *Revelle*, Chief Scientist Doug
Capone, August, 2003.
Co-chief Scientist, World Ocean Circulation Experiment leg I7N in western Indian Ocean, R/V
Knorr, Chief Scientist Don Olson; July and August, 1995.
Co-chief Scientist, NOAA 1993 North Atlantic CO₂ Cruise, R/V *Malcolm Baldrige*, Chief
Scientist Rik Wanninkhof; July, 1993.
Collection of tritium and ^3He samples for Leg 6 of South Atlantic Ventilation Experiment, R/V
Melville, Chief Scientist Lynne Talley; March and April, 1989.
Collection and analysis of chlorofluorocarbon, tritium, and ^3He samples on Oceanus Cruise 202,
a hydrographic section from Iceland to equator along 20°W, R/V *Oceanus*, Chief Scientist
Mike McCartney; July and August, 1988.
Deployment and retrieval of *in-situ* particle pumping system and sediment trap array from R/V
Weatherbird, Bermuda, Chief Scientist Robert Sherrell; Sept. 1987
At sea analysis of perfluorodecaline and SF₆ on Santa Monica Basin Purposeful Tracer Release
Experiment, R/V *New Horizon* and R/V *Robert Gordon Sproul*, Chief Scientist Jim Ledwell;
Sept. 1985.
Undergraduate student on Sea Education Association research cruise on SSV *Westward* (W-76),
Sargasso Sea and western North Atlantic, Chief Scientist Mary Farmer; May and June, 1984.

SUPERVISION (Technical and Research Staff)

NCAR: Keith Lindsay (Associate Scientist II, 1998-2002), Steve Yeager (Associate Scientist II, 1999), Rob DeConto (Associate Scientist II, 1998-1999), Joan Kleypas (Associate Scientist II, 1999-2002)

WHOI: Jeff Dusenberry (Information Systems Associate III, 2003-2006), Ivan Lima (Research Specialist, 2003-present), Heather Benway (Research Specialist, 2007-present), Mary Zawosky (Administrative Associate II, 2007-2013), David Baker (Visiting Investigator, 2007-2008), Sarah Cooley (Research Associate III, 2011-2013), Jennie Rheuban (Research Associate II, 2013-present), Shanna Williamson (Research Assistant II, 2014-2015), Michaela Fendrock (Research Assistant II, 2015-present), Kelly Luis (Research Assistant II, 2015-present), Will Oestreich (Research Assistant II, 2015-present)

TEACHING AND MENTORING

Graduate Student Advisor, MIT/WHOI Joint Program:

Pre-generals advisor: Andrew McDonnell (Chemistry, 2005-2007), Holly Moeller (Biology, 2008-2009), Kevin Archibald (Biology, 2015-present)

Thesis advisor: Annette Hynes (Biology, Ph.D., 2009), Naomi Levine (Chemistry, Ph.D., 2009), Tyler Rohr (Chemistry, 2013-present), Cristina Schultz (Chemistry, 2013-present)

Postdoctoral Advisor/co-advisor:

NCAR: Julia Lee (1996-1997), Montse Fuentes (1998), J. Keith Moore (1999-2002), Ivan Lima (1999-2002), Roger Dargaville (2000-2002), David Baker (2000-2002)

WHOI: Dierdre Toole (2003-2005), Irina Marinov (2007-2008), Nathalie Goodkin (2007-2008), Sarah Cooley (2007-2010), Annette Hynes (2009-2010), Paulo Calil (2009-2010), David Nicholson (2009-2011), Ya-Wei (Wayne) Luo (2009-2013), Sevrine Saille (2009-2013), Maria Kavanaugh (2012-present), Lin Zhang (2012-2013), Naomi Levine (2013)

Thesis Committee Member (other than as advisor/co-advisor):

MIT/WHOI Joint Program: Rachel Stanley (Ph.D., 2007), Nathalie Goodkin (Ph.D., 2007), Louie Wurch (Ph.D., 2011), Harriet Alexander (Ph.D., 2015), Sophie Chu,

Other: Nan Rosenbloom (Ph.D., U Colorado, Boulder, 1997), Sarah Zedler (M.S., UC Santa Barbara, 1999)

Visiting Graduate Student Advisor:

NCAR: Camilla Geels (U. Copenhagen, Denmark, 2000-2001)

WHOI: David Nicholson (U. Washington, 2009), Priya Sharma and Sri Nandini (U. South Pacific, Fiji, 2011), Sinikka Lennartz (U. Braunschweig, Germany, 2012)

Overseas External Examiner, Carolyn Walker (Ph.D., 2009), U. Otago, Dunedin, New Zealand
External Thesis Supervisor, Claudine Hauri (Ph.D., 2012), Swiss Federal Institute of Technology (ETH), Zurich, Switzerland

External Advisor for Megan Stephenson (2012-2013), Masters Program in Conservation Medicine, Tufts University Cummings School of Veterinary Medicine

MIT/WHOI Joint Program Thesis Defense Chair: Phoebe Dreux Chappell (Ph.D., 2009)

Undergraduate Student Advisor:

UCAR-SOARS program: Kiesha Stevens (1996) and Sharon Perez (1998)

WHOI Summer Student Fellows: Allis Wallis (2004), Nora Xu (2009), Grant Jiang (2011 & 2012), Catherine Phillips-Smith (2012), Victoria Luu (2013), Maria Ordovas-Montanes (Tufts, 2014), Laura Crews (Stanford, 2015)

Woods Hole Partnership Educational Program (PEP): Shanna Williamson (Skidmore,

2014), Kelly Luis (Columbia, 2015)
Other: Nicole Benoit (Co-op student, U. Pittsburgh, 3 semesters, 2007-2008), Hannah Lee (NOAA Hollings Scholar, 2008), Felipe Abdala (U. Rio Grande-FURG, Brazil, 2013), Dylan Chaves (Mass. Maritime Academy, 2015), Oliver Newman (Swarthmore, 2015), Jen Terhaar (LSCE, France),
 Graduate teaching, U. Colorado, Boulder:
 ATOC 5225 Thermodynamics of Atmospheres and Oceans, Fall, 1998
 GEOL/EPOB 5700-2 Carbon, Climate and Society: Spring, 2001; Fall, 2001; Spring, 2002
 Graduate teaching, MIT/WHOI Joint Program:
 12.747 Modeling, Data Analysis, and Numerical Techniques for Geochemistry, biennially Fall 2002-2014
 12.742 Marine Chemistry: annually Fall 2004-2010, Fall 2102-2014
 (published Open Course Ware notes for Marine Chemistry:
<http://ocw2.mit.edu/OcwWeb/Earth--Atmospheric--and-Planetary-Sciences/12-742Fall-2006/CourseHome/index.htm>)
 12.759 Special Topics in Marine Chemistry Seminar: Spring 2004
 7.430 Topics in Quantitative Marine Science: Ocean Biological-Physical Interaction, Spring 2006
 MIT/WHOI Joint Program Climate Group
 Graduate Student Workshops: MSRI-NCAR Summer Workshop on Carbon Data Assimilation, Organizer with I. Fung and D. Schimel, Berkeley CA, July 2006.
 Undergraduate Teaching, Sea Education Association (SEA), Woods Hole MA:
 Distinguished Lecturer, SEA *Oceans and Climate Program*: Fall 2006, Fall 2007, Fall 2009, Fall 2010, Fall 2011, Fall 2012, Fall 2013
 Lecturer on carbon cycle, ocean modeling and ocean acidification, Spring 2008, Fall 2008, Spring 2009. Fall 2009
 Lecturer on climate change, ocean acidification, and marine conservation, Spring 2014
 Undergraduate Teaching, Distinguished Scientist visitor for MBL Semester in Environmental Science (SES) Sept. 2011, Woods Hole MA
 Adjunct faculty, University of Colorado, Boulder: Geology (1997-2002), Aerospace Engineering (1998-2002), Environmental Sciences (2000-2002).

SCIENTIFIC AND TECHNICAL BOOKS

Glover, D.M., W.J. Jenkins, and S.C. Doney, 2011: *Modeling Methods for Marine Science*, Cambridge University Press, Cambridge, UK, 592 pp., www.cambridge.org/glover ISBN-13: 9780521867832

Published reviews by:

- V. Rayband, 2011: *Limnol. Oceanogr. Bull.*, **20**(3) September, 64-66.
- A. Burd, 2012: *Physics Today*, **65**(5), May, 56-57.
- P. Gent, 2012: *Bull. Amer. Meteor. Soc.*, **93**(7), July, 1070-1072.

PUBLICATIONS FOR GENERAL PUBLIC (Total of 13)

(papers denoted by * first authored by supervised graduate student or postdoctoral researcher)

Doney, 2014: Oceans of acid: How fossil fuels could destroy marine ecosystems, PBS WGBH *NOVA Next* website (posted Wed. Feb. 12th, 2014),

<http://www.pbs.org/wgbh/nova/next/earth/ocean-acidification/>

- Doney, S.C. and H. Ducklow, 2013: Rapid climate change along the West Antarctic Peninsula: impacts from sea-ice to penguins, *Flotsam & Jetsam*, Massachusetts Marine Educators, (Winter 2013), **42**(3), Pages 1 & 15-18. <http://www.massmarineeducators.org>
- Avery, S., A. Magnan, B. Garnaud, and S.C. Doney, 2011: Changing climate, changing ocean, changing planet, in “*Oceans: the New Frontier*”, part of *Planet for Life* (2011) series, ed. P. Jacquet, L. Tubiana, and R. Pachauri and assoc. ed. J. Rochette, R. Jozan, and S. Sundar, TERI Press, New Dehli, 225-237 pp., ISBN: 9788179934029
- French version: Avery, S., A. Magnan, B. Garnaud, and S.C. Doney, 2011: Climat: l’enjeu pour les océans, in “*Océans: la frontière*”, part of *Regards sur la Terre* (2011) series, ed. P. Jacquet, R. Pachauri, and L. Tubiana, Armand Colin publisher, pp 337-349, ISBN: 978-2-200-27150-3
- Ducklow, H. and S. Doney, 2011: What’s for dinner? *MBL Catalyst*, **6**(1), Spring 2011, p. 16.
- Doney, S.C., 2010: Solutions to environmental threats: ocean acidification. *Scientific American*, **302**(4), April 2010, 60.
- Doney, S.C., 2009: Ocean acidification, *Flotsam & Jetsam*, Massachusetts Marine Educators, **38**, Issue 1 (Summer 2009), 1-15, www.massmarineeducators.org
- Buesseler, K., S. Doney, and H. Kite-Powell, 2008: To fertilize, or not to fertilize, *Oceanus*, **46**(1), Jan. 2008, 3.
(<http://www.whoi.edu/oceanus/viewPrintedIssue.do?archives=true&sortBy=printed&o=read&id=181>)
- Buesseler, K., S. Doney, and H. Kite-Powell (ed.), 2008: Should we fertilize the ocean to reduce greenhouse gases? *Oceanus*, **46**(1), Jan. 2008, 27pp.
- Pidgeon, E. and S.C. Doney, 2008: The role of the oceans, Chapter 8 (pp 246-276), in *A Climate for Life, Meeting the Global Challenge*, R.A. Mittermeier et al., CEMEX Conservation Book Series, with Conservation International and the International League of Conservation Photographers, ISBN 978-0-9818321.
- Doney, S.C., 2008: Ocean acidification, essay in *Ocean: An Illustrated Atlas (National Geographic Atlas)* by S.A. Earle and L.K. Glover, National Geographic, Washington D.C., p. 39, ISBN 978-1426203190.
- Goodkin, N. and S. Doney, 2007: Global calcification after ocean acidification, *Meridian*, Bermuda Institute of Ocean Sciences, **2**(2), 12-13.
- Doney, S.C., 2006: The dangers of ocean acidification. *Scientific American*, **294**(3), March 2006, 58-65. (republished in German as “Das Meer wird sauer” in *Spektrum der Wissenschaft*, June 2006).
- Doney, S.C. and N.M. Levine, 2006: How long can the ocean slow global warming? *Oceanus*, Woods Hole Oceanographic Institution, (<http://www.whoi.edu/oceanus/index.do>).

REFEREED ELECTRONIC LECTURE (Total of 1)

- Feely, R.A., and S.C. Doney, 2011, Ocean acidification: the other CO₂ problem, *Limnol. Oceanogr. e-Lectures*, (or *ASLO Web Lectures*, **3**(1), 1–59)
doi:10.4319/lol.2011.rfeely_sdoney.5
http://aslo.org/lectures/11_005/11_005_rfeely_sdoney.html
http://onlinelibrary.wiley.com/doi/10.4319/lol.2011.rfeely_sdoney.5/abstract

PUBLICATIONS IN REFEREED JOURNALS, BOOKS & REPORTS (Total of 281)

published)

ORCID: <https://orcid.org/0000-0002-3683-2437>

ISI ResearcherID: F-9247-2010; <http://www.researcherid.com/rid/F-9247-2010>

ISI Web of Science total citations 20,620; h-index 67

Google Scholar total citations 31,827; h-index 81; i10-index 229

(both accessed January 15th, 2015)

(underlined authors denote supervised graduate student, postdoctoral researcher, or technician)

Manuscripts submitted:

Kim, H., S.C. Doney, R.A. Iannuzzi, M.P. Meredith, D.G. Martinson, H.W. Ducklow, Climate forcing for dynamics of dissolved inorganic nutrients at Palmer Station, Antarctica: An interdecadal (1993-2013) analysis, *J. Geophys. Res. Biogeosci.*, *submitted*.

Kavanaugh, M.T., M.J. Oliver, F.P. Chavez, R.M. Letelier, F.E. Muller-Karger, and S.C. Doney, Quo Vadimus: Seascapes as a new vernacular for ocean monitoring, management and conservation, *ICES J. Mar. Sci.*, *submitted*.

Mahowald, N.M., J.T. Randerson, K. Lindsay, E. Munoz, S.C. Doney, P. Lawrence, S. Schlunegger, D.S. Ward, D. Lawrence, and F. Hoffman, Interactions between land use change and carbon cycle feedbacks, *Global Biogeochem. Cycles*, *submitted*.

Boyd, P.W., C.E. Cornwall, A. Davison, S.C. Doney, M. Fourquez, C.L. Hurd, I.D. Lima, and A. McMinn, Environmental heterogeneity, ocean biota and climate change, *Global Change Biology*, *submitted*.

Siegel, D., K. Buesseler, M. Behrenfeld, C. Benitez-Nelson, E. Boss, M. Brzezinski, A. Burd, C. Carlson, E. D'Asaro, S. Doney, M.J. Perry, R. Stanley, D. Steinberg, Prediction of the Export and Fate of Global Ocean Net Primary Production: The EXPORTS Science Plan, *Frontiers in Marine Science*, *submitted*.

Eveleth, R., N. Cassar, S.C. Doney, D.R. Munro, and C. Sweeney, Biological and physical controls on O₂/Ar, Ar and pCO₂ variability at the Western Antarctic Peninsula and Drake Passage, *Deep-Sea Res. II*, *submitted*.

Séférian, R., M. Gehlen, L. Bopp, L. Resplandy, J.C. Orr, O. Marti, J.P. Dunne, J.R. Christian, S.C. Doney, T. Ilyina, K. Lindsay, P. Halloran, C. Heinze, J. Segsneider, and J. Tjiputra, Inconsistent strategies to spin up models in CMIP5: implications for ocean biogeochemical model performance assessment, *Geosci. Model Dev.*, *submitted*, MS No.: gmd-2015-194, (published as discussion paper as: *Geosci. Model Dev. Discuss.*, **8**, 8751-8808, 2015, doi:10.5194/gmdd-8-8751-2015)

Long, M.C., K. Lindsay, J.K. Moore, and S.C. Doney, A mechanistic view of ocean carbon cycle feedbacks, *Geophys. Res. Lett.*, *submitted*.

Vogt, M., T. Hashioka, M. Payne, E.T. Buitenhuis, C. Le Quéré, S. Alvain, M.N. Aita, L. Bopp, S.C. Doney, T. Hirata, I. Lima, S. Salliey, and Y. Yamanaka, The distribution, dominance patterns and ecological niches of plankton functional types in Dynamic Green Ocean Models and satellite estimates, *Biogeosciences*, *submitted*.

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SELECTED SCIENCE LECTURES & PRESENTATIONS

- Ocean Carbon and Biogeochemistry (OCB) Annual Summer Workshop, Invited Talk, S. Doney and P. Boyd, Overview talk on emissions, sources and scales of impact for session “*Atmospheric Nutrient Deposition: Impacts on Marine Ecosystem & Biogeochemical Cycles*”, Woods Hole, MA, July, 2015
- U.S. Ocean Acidification Principal Investigators' Meeting, Two Invited Talks, “Ecosystem Modeling and Ocean Acidification” and “*Ocean Acidification at the Palmer, Antarctic LTER Project*”, Ocean Carbon and Biogeochemistry Project, NSF, and NOAA, Woods Hole, MA, June, 2015
- Oceanography Graduate Student Association Annual Distinguished Lecture, Invited Talk, “*Global and Regional Perspectives on Ocean Acidification*”, Rutgers University, New Brunswick, NJ, April 2015
- Enviroday 2015, Dept. of Environmental Sciences, U. Virginia, Invited Keynote Speaker, “*Ocean Climate Change and Acidification: Global-Scale Human Impacts on the Sea*”, Charlottesville, VA, Feb. 2015
- 2015 ASLO Aquatic Sciences Meeting, Invited Plenary Talk, “*Changing Coastal & Open-ocean Biogeochemistry in the Southern Ocean*”, Granada, Spain, Feb. 2015
- Southern Ocean Dynamics & Biogeochemistry Workshop, Linde Center for Global Environmental Science, California Institute of Technology, invited talk, “*Biological Ramifications of Climate-Change Mediated Oceanic Multi-Stressors*”, Pasadena, CA, Feb. 2015
- Ocean's Carbon and Heat Uptake Workshop, Joint US CLIVAR and OCB Workshop, Invited Talk and Panelist, “*Model Biases & Uncertainties in CMIP5 Models: Ocean Carbon Uptake & Climate Feedbacks*”, San Francisco, CA, Dec. 2014
- The Sustainable Adaptive Gradients in the Coastal Environment (SAGE) Program (<http://www.resilient-infrastructure.org/>), College of Engineering at Northeastern University, Invited Webinar to SAGE Network, “*Climate Change and Adaptation Solutions for the Coastal Ocean along the US Northeast*”, Dec. 2104, <https://nucoe.webex.com/nucoe/lsr.php?RCID=e8e216a876bdee1654ccc188c008e804>
- Sea Level Rise & the Future of Coastal Cities Conference, Boston University Initiative on Cities (<http://sites.bu.edu/sealevelcon/>), Invited Panelist on “*The Science of Sea Level Rise and Climate Change*”, Boston, MA, Nov. 2014
- Ocean Acidification and Southern New England: A Conference, Invited Talk, “*Coastal Ocean Acidification*”, organized by Woods Hole Research Center, New Bedford, MA, Oct. 2014
- New England Ocean Science Education Collaborative (NEOSEC), 2014 Ocean Literacy Summit, Invited Talk, “*New Developments in Marine Science*”, Woods Hole, MA, Nov. 2014
- Sea Education Association, Invited Talk, “*The Ocean Health Index*”, Falmouth, MA, August 2014
- Ocean Acidification: Understanding the Problem and Policy Responses, Roundtable Co-sponsored by the Foreign Service Institute, The Bureau of Oceans and International Environmental and Scientific Affairs, U.S. Department of State and NOAA, Invited Talk, “*Biological Impacts of Ocean Acidification*”, George P. Shultz National Foreign Affairs Training Center, Arlington, VA, August, 2014
- State of Maine Commission to Study the Effects of Coastal and Ocean Acidification on Commercially Harvested and Grown Species (Ocean Acidification Commission), Invited

Talk, “*Overview on Ocean Acidification*”, U. Maine Darling Marine Center, Walpole, ME, August 2014

Gordon Research Conference on Ocean Global Change Biology, Invited Discussion Leader for session on “*Ecosystem Modeling of Multiple Stressors*”, Waterville Valley, NH, July 2014

2nd annual Cape Coastal Conference State of the Cape: Implementing Strategies To Improve Water Quality & Build Coastal Resilience, Invited Keynote Talk, “*Regional Climate Change in New England: Update from the National Climate Assessment*”, hosted by Waquoit Bay National Estuarine Research Reserve, Barnstable, MA, June 2014
<http://www.waquoitbayreserve.org/education-training/coastal-training-programs/2014-cape-coastal-conference-2/>

Capitol Hill Ocean Week (CHOW 2014), *State of the Ocean* Panel, National Marine Sanctuaries Foundation, Washington, DC, June 2014,

U.S. State Department Our Ocean Conference (<http://ourocean.info>), Mediator for *Ocean Acidification Panel*, video of panel available from <http://video.state.gov/en/remarks-and-events/video/3628176407001/ocean-acidification/s~creationDate/p~1/> Washington, DC, June 2014

American Society of Microbiology, Invited Talk, “*A Changing Environment for Ocean Microbes: Climate Warming and Ocean Acidification*”, Boston, MA, May 2014

WHOI Morss Colloquium From Penguins to Polar Bears: Impacts of Climate Change, “*Climate Change and Other Human Pressures on Polar Ecosystems*”, Invited Public Lecture, Woods Hole Oceanographic Institution, Woods Hole, May 2014

Conservation of Polar Species Endangered by Climate Change Workshop, “*Impact of Climate Change on the Western Antarctic Peninsula Ecosystem*”, Invited Lecture, Woods Hole Oceanographic Institution, Woods Hole, MA, May 2014

WGBH Smart Conversations Series Presents Climate Change, Public Panel Discussion, Brighton, MA, March 2014, <https://www.youtube.com/user/WGBHForum>

Dalhousie University, Invited Public Lecture, “*A Changing Sea*”, Halifax, Nova Scotia, Canada, Nov. 2013

Bedford Institute of Oceanography, Invited Talk, “*Rapid Climate Change Along the West Antarctic Peninsula: from Sea-ice to Penguins*”, Dartmouth, Nova Scotia, Canada, Nov. 2013

WHOI Development Event, Harvard Club, “*The Changing Ocean and the Free Market*”, Boston, MA, November 2013

WHOI Biology Dept. Seminar, “*Quantifying Climate and CO₂ Driven Trends in Ocean Biogeochemistry*”, Woods Hole, MA, November 2013

Yale School of Forestry and Environmental Studies, Invited Talk, “*Rapid Climate Change: Impacts from Sea-Ice to Penguins*”, New Haven, CT, October, 2013

Gordon Research Conference, Chemical Oceanography, Invited Talk, “*Quantifying Climate and CO₂ Driven Trends in Ocean Biogeochemistry*”, Biddeford, ME, August 2013

ASP Graduate Student Colloquium: Carbon-Climate Connections in the Earth System, 3 Invited Talks, National Center for Atmospheric Research, Boulder, CO, July-August 2013

- “*Marine Biogeochemical Modeling*”
- “*Marine Phytoplankton-Zooplankton Modeling*”
- “*Marine Ecosystem Modeling*”

From the Alps to the Atlantic: Water in a Changing Climate Symposium, Invited Talk, “*Climate Change Impacts on Marine Ecosystems*”, Symposium co-sponsored by Swissnex (Consulate

of Switzerland, Boston), PlanetSolar DeepWater Project, University of Geneva, and the Woods Hole Oceanographic Institution, Boston, MA, June 2013,
<http://www.swissnexboston.org/planetsolar-deepwater-expedition-in-boston>

Liberty Mutual Insurance Catastrophe Modelers Forum, Invited, “*Climate Change*”, Boston MA, May 2013

National Climate Assessment Workshop on Sustaining Assessments of Oceans and Coasts, Invited, “*2013 National Climate Assessment: Overview of Oceans and Marine Resources Chapter*”, Washington DC, April 2013

MAREMIP/EUR-OCEANS/IMBER/GREENCYCLES II Meeting on Impact of Climate Change on Marine Ecosystems. University of Paris VI, Invited, “*Climate Change Impacts on Ocean Ecosystems-Higher Trophic Level Effects*”, Paris, France, March 2013

WHOI Marine Chemistry & Geochemistry Dept. Seminar, *U.S. National Climate Assessment: Key Findings*, Feb. 2013

American Association for Advancement of Science (AAAS) Annual Meeting, Invited, *Observing Systems for Constraining Ocean Carbon Uptake and Acidification*, Boston MA, Feb. 2013

Casco Bay Estuary Partnership, Mud-Clam Summit (EPA funded project), Invited, *Overview on Ocean Acidification*, U. Southern Maine, Portland ME, Jan. 2013

University of California, Irvine, Earth System Science Department Seminar, Invited, *Climate Impacts on Ocean Ecosystems*, Irvine CA, Jan. 2013

American Geophysical Union (AGU) Fall Meeting, Invited, *U.S. 2013 National Climate Assessment of Oceans and Marine Resources*, San Francisco, CA, Dec. 2012

University of Massachusetts, Boston, Symposium on Global Challenges in Climate Science and Policy, Invited, *Climate Impacts on Ocean Ecosystems*, Boston MA, Dec. 2012

Gulf of Maine Council on the Marine Environment (U.S.-Canadian partnership of government and non-government organizations), Invited, *Climate Impacts on Marine Ecosystems*, Boston MA, Dec. 2012

Boston University School of Public Health, Gijs van Seventer Environmental Health Seminar, Invited, *Climate Impacts on Ocean Ecosystems*, Boston MA, Oct. 2012

NOAA in New England, NOAA NMFS, Invited Talk, *Ocean Acidification and Sea Scallops*, Woods Hole, MA, Sept. 2012

WHOI Public Event Ocean’s Acid Test, *An Overview of Ocean Acidification*”, Woods Hole, MA, August 2012

Atlantic Meridional Overturning Circulation (AMOC) Annual Meeting, Invited Talk, *Impacts of Climate Forcing on CO₂ uptake in the North Atlantic*, Boulder CO, August 2012

Gordon Conference on Environmental Sciences: Water, Invited Plenary Talk, *Ocean Acidification: The Other CO₂ Problem*, Holderness NH, June 2012

ASLO Aquatic Sciences Meeting, *The climate response of plankton community structure in the NCAR CESM global ocean biogeochemical model*, Otsu, Lake Biwa, Japan, June 2012.

AGU Science Policy Conference, Invited Talk and Panel Discussion, *A Research Agenda for Ocean Acidification to Support Decision Makers*, Washington, DC, May 2012

International SOLAS Open Science Conference (Surface Ocean-Lower Atmosphere Study), Invited Plenary Talk, *Rising Atmospheric CO₂ & Ocean Acidification*, Cle Elum, WA, May 2012.

Global Conference on Oceans, Climate and Security, Invited Talk and Panel Discussion, *National Climate Assessment-Oceans and Marine Resources Chapter*, UMass Boston, Boston, MA, May 2012

Stanford University, Woods Institute Environmental Forum, Invited Talk, *Ocean Uptake of Anthropogenic CO₂*, Stanford, CA, May 2012

Williams College Oceans Symposium Lecture Series, Invited Talk, “*Rising Atmospheric CO₂ & Ocean Acidification*”, Williamstown, MA, March 2012

Advancing Oceans at Rio+20, Side Event at the Rio+20 3rd Intersessional Meeting, Invited Talk, *Ocean Acidification in the Rio+20 Zero Draft*, hosted by Global Ocean Forum & Intergovernmental Oceanographic Commission (IOC-UNESCO), United Nations, New York, NY, March 2012

MIT-EAPS IAP Lecture Series, From Measurements to Models in the Earth System, Massachusetts Institute of Technology, Invited Talk, “*Ocean Acidification Modeling: From Seawater Chemistry to Fisheries*”, Cambridge MA, Feb. 2012

WHOI Marine Chemistry & Geochemistry Dept. Seminar, “*20th Century Carbon Dynamics in the Community Earth System Model (CESM1)*”, Woods Hole, MA, Feb. 2012

2012 Ocean Sciences Meeting Workshop, “*Communicating Your Science: Challenges and Opportunities with Ocean Acidification*”, Panel Presentation and Discussion, Salt Lake City, UT, Feb. 2012

AAAS Science and Technology Policy Fellows Workshop, Invited Talk, “*Communicating Science for Policy: Lessons Learned from Ocean Acidification*”, Washington DC, Jan. 2012

12th National Conference on Science, Policy and the Environment (this year’s conference topic on Environment & Security), “*Ocean Acidification: Scientific Understanding & Implications for Food Supply*”, Washington, DC, Jan. 2012

NOAA Geophysical Fluid Dynamics Laboratory (GFDL), Invited Talk, “*Carbon Cycle Dynamics in the Community Earth System Model (CESM1)*”, Princeton NJ, Jan. 2012

NASA Carbon Cycle & Ecosystems Joint Science Workshop, Invited Panelist, “*Integrated Remote Sensing and Modeling of Coupled Process at Interfaces between Land-Atmosphere-Ocean Ecosystems*”, Alexandria, VA, Oct. 2011

Semester in Environmental Science (SES) Distinguished Scientist Seminar, Marine Biological Laboratory, Invited Talk, “*Rising Atmospheric CO₂ & Ocean Acidification*”, Woods Hole MA, Sept. 2011

American Fisheries Society 141st Annual Meeting, Invited Keynote Talk, “*Ocean Acidification and Living Marine Resources*”, Seattle, WA, Sept. 2011

Ocean Carbon and Biogeochemistry (OCB) Summer Workshop & U.S. CLIVAR Summit, Invited Talk, “*OCB and U.S. CLIVAR: Scientific Questions & Global Observing Capabilities*”, Woods Hole MA, July 2011

American Association for the Advancement of Science (AAAS) Forum on Science and Technology Policy, Invited Talk, “*Communicating Science for Policy: Lessons Learned from Ocean Acidification*”, Washington DC, May 2011

2011 Long Term Ecological Research (LTER) Science Council Meeting, Invited Talk, “*Climate Change & Marine Biogeochemical Modeling from Local to Global Scales*”, Jekyll Island, GA, May 2011

National Research Council Committee on Future Science Opportunities in the Antarctic and Southern Ocean, Invited Talk, “*Acidification of the Southern Ocean*”, Woods Hole, MA, April 2011

NSF Forum: Understanding Climate Change Through Long-Term Ecological Research, National Science Foundation, Invited Talk, “*Climate Change & Marine Biogeochemical Modeling from Local to Global Scales*”, Arlington VA, March 2011

Bevan Series on Sustainable Fisheries, University of Washington School of Aquatic and Fishery Sciences and NOAA, Invited Talk, “*Do the Dollars Make Cents? Economic Impacts of Acidification on Fisheries*”, Seattle, WA, Jan. 2011

The Future of the Oceans: Building a New Agenda for Ocean Research and Education, Massachusetts Institute of Technology, Invited Talk, “*The Ocean Carbon Cycle, Ecology & Acidification*”, Cambridge, MA, Dec. 2010

U.S. Navy, Chief of Naval Operations Strategic Studies Group (CNO-SSG), Naval War College, Invited Talk, “*Degrading Ocean Health: Ecosystem and Socio-economic Impacts*”, Newport, RI, Oct. 2010

Gordon Research Conference, Marine Microbes: From Genes to Global Cycles, Invited Plenary Talk, “*Incorporating Microbial Dynamics into Marine Ecosystem Models*”, Tilton NH, July 2010

NSF Joint Annual Meeting, Louis Stokes Alliances for Minority Participation-Bridge to the Doctorate Program, Invited Plenary Speaker, “*Growing Human Footprint on the Ocean*”, Washington DC, June 2010

Joint Subcommittee on Ocean Science and Technology (JSOST), White House Conference Center, “*Ocean Acidification: A National Strategy to Meet the Needs of a Changing Ocean*”, invited talk, Washington DC, May 2010.

Harvard University School of Public Health, “*Ocean Acidification, Coral Reefs and Fisheries*”, Invited Talk, Boston MA, April 2010.

World Bank, Sustainable Development Network Forum 2010, Invited Talk and Panelist, “*Ocean Carbon and Ocean Acidification*”, Washington DC, January 2010

UNFCCC Conference of the Parties (COP15), Copenhagen, Denmark, December, 2009:

- Oceans Day at Copenhagen, European Environmental Agency, Invited Talk and Panelist, “*Economic and Social Impacts of Ocean Acidification*”
- U.S. Center at Copenhagen, session on Oceans and Ecosystems in a Changing Climate sponsored by NOAA, Invited Talk “*Ocean Carbon Uptake and Ocean Acidification*”

Yale University, Curtis and Edith Munson Conservation Lecture Series, Invited Talk, “*Ocean Acidification*”, New Haven CT, September 2009

Ecological Society of America Annual Meeting, Invited Talk, “*The coupled cycles of carbon and iron in the sea*”, Albuquerque NM, August 2009

Conservation International, Recipes for Adaptation: Marine Management under Climate Change and Ocean Acidification Workshop, Invited Keynote Talk, “*Climate Change and Ocean Acidification*”, Arlington VA, May 2009.

Boston University Medical School, Environmental Health Seminar Series, Invited Talk, “*Climate Change and the Future of Oceans in the 21st Century*”, Boston MA, December 2008.

EUR-OCEANS, European Conference on Global Change and Marine Ecosystems, Invited Keynote Lecture, “*Climate Change and the Future of Oceans in the 21st Century*”, Rome, Italy, November 2008

Defense Sciences Research Council (DARPA), Workshop on Impact of Climate Change on the DoD, Invited Talk, “*Ocean Acidification and Climate Impacts on Ocean Ecology*”, National Academy Center, Woods Hole MA, October 2008.

U.S. 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)

NASA Carbon Cycle and Ecosystems Joint Science Meeting, Invited Plenary Talks, “*Carbon Management: Overview of Biotic Approaches*”, U. Maryland, College Park MD, April/May 2008.

Stanford University, Woods Institute of the Environment, Invited Talk, “*Fossil Fuel CO₂, Ocean Acidification & Ocean Iron Fertilization*”, Palo Alto, CA, April 2008.

National Science Teachers Association Annual Meeting, American Geophysical Union Lecture (Invited), “*Ocean Acidification*”, Boston MA, March 2008.

American Association for the Advancement of Science (AAAS) Annual Meeting, Boston, MA, February 2008:

- Special Session “Strange Days on Planet Ocean”, Invited Talk “*Oceanic Acidification and Carbon Cycling*”
- Special Session “Communicating Science: Tools for Scientists and Engineers” Invited Talk and Panelist

50th Anniversary of the Global Carbon Dioxide Record Symposium and Celebration, NOAA, Invited Plenary Talk and Panelist, “*The Ocean in a High CO₂ World: Ocean Climate Responses and Feedbacks*”, Kona, HI, November 2007.

Woods Hole Oceanographic Institution, Exploring Ocean Iron Fertilization: the Scientific, Economic, Legal and Political Basis Workshop, Woods Hole MA,

- Meeting Co-Organizer, September 2007
- Morss Colloquium Public Forum, Invited Talk and Panelist “*Ocean Iron Fertilization: Ironing Out Uncertainties of Climate Engineering*”, October 2007

Ocean Carbon and Biogeochemistry (OCB) Ocean Acidification Workshop, Scripps Institution of Oceanography, Invited Plenary Talk, “*Modeling Challenges for Ocean Acidification*”, La Jolla CA, October 2007.

National Academy of Sciences, Chemical Sciences Roundtable, Invited Talk, “*Ocean Acidification*”, Washington DC, September 2007.

U.S. 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*”, Washington DC, May, 2007.

Intergovernmental Oceanographic Commission and Scientific Committee on Oceanic Research (IOC/SCOR), Surface Ocean Carbon Variability and Vulnerability Workshop, UNESCO Headquarters, Paris France, April 2007.

- Invited Plenary Talk, “*Ocean Carbon Interannual Variability*”
- Invited Plenary Talk, “*Climate-Marine Ecosystem Interactions*”

North American Carbon Program (NACP) Meeting, Invited Plenary Talk, “*Air-Sea CO₂ Flux Inter-Annual Variability*”, Colorado Springs CO, January 2007.

CarboOcean North Atlantic CO₂ Synthesis Workshop, Invited Talk, “*Modeling Ocean Carbon Interannual Variability*”, Lagurvatn Iceland, July 2006.

International CLIVAR/CO₂ Repeat Hydrography Meeting, Invited Talk, “*Decadal-scale changes in ocean biogeochemistry: Results from the CLIVAR/CO₂ Repeat Survey*”, Shonan Village Japan, November 2005.

Woods Hole Oceanographic Institution 75th Anniversary Symposium, Invited Plenary Talk, “*Observing the Ocean Carbon System*”, Woods Hole MA, September 2005.

Community Climate System Model Annual Meeting, Invited Plenary Talk, “*Marine Ecosystem Dynamics in the New Genomic Era*”, Breckenridge CO, June 2005.

American Society for Limnology and Oceanography and The Oceanography Society

- (ASLO/TOS) Ocean Sciences Meeting, Invited Plenary Talk, “*Interannual Variability of the Ocean Carbon System*”, Honolulu HI, February 2004.
- Intergovernmental Oceanographic Commission and Scientific Committee on Oceanic Research (IOC/SCOR), Ocean Carbon Observing Systems Meeting, UNESCO Headquarters, Invited Plenary Talk, “*Global Ocean Carbon Cycle*”, Paris France, January 2003.
- International WOCE/JGOFS Transport Workshop, Southampton Oceanography Centre, Invited Talk, “*Carbon transport in ocean climate models*”, Southampton UK, June 2001
- International Geosphere-Biosphere Programme (IGBP) Carbon Cycle Meeting, “*Ocean Carbon Cycle: Status and Future Directions*”, Durham NH, October 2000.
- H. Burr Steinbach Visiting Scholar, Woods Hole Oceanographic Institution, Woods Hole MA, July 2000.
- International Joint Global Ocean Flux Study (JGOFS) Open Science Meeting, Invited Plenary Talk, “*Emerging Paradigms for Ocean Biogeochemical and Ecosystem Modeling*”, Bergen Norway, April 2000.
- International Surface Ocean-Lower Atmosphere Study (SOLAS) Meeting, Keynote Talk, “*Marine Biogeochemical Response to Climate Change*”, Damp Germany, February 2000.
- International World Ocean Circulation Experiment (WOCE) Tracer Workshop, University of Bremen, Invited Plenary Talk, “*Conceptual Models versus Ocean General Circulation Models in Tracer Oceanography: a False Dichotomy*”, Bremen Germany, February 1999.
- U.S. National Carbon Cycle Science Workshop, Invited Plenary Talk, “*The Ocean Carbon Cycle: Recent Advances and Future Directions*”, Westminster CO, August 1998.
- National Science Foundation, Ocean Modeling and Data Synthesis Workshop, Invited Plenary Talk, “*Future Directions in Marine Biogeochemical and Geochemical Modeling*”, Arlington VA, May 1998.
- Columbia University, Lamont Doherty Earth Observatory, Invited Institute Talk, “*Marine Nitrogen Cycle*”, Palisades NY, December 1997.
- Inter-Americas Institute, Ocean Biogeochemical Time-series Meeting, Invited Talk, “*Role of models, Remote Sensing, and Autonomous Platforms in Ocean Time-Series*”, Concepcion Chile, November 1996.
- International Council for the Exploration of the Sea (ICES) Annual Scientific Meeting, Invited Talk, “*North Atlantic Carbon Cycle*”, Reykjavik Iceland, September 1996.
- CIMAS Visiting Scholar, University of Miami and NOAA/AOML laboratories, Series of Three Invited Seminars on “*Ocean Tracers*”, “*Marine Biogeochemical Modeling*”, and “*Global Ocean Physical Modeling*”, Miami FL, January 1996.
- Ewing Tracer Symposium hosted by Columbia University, Invited Plenary Talk, “*Methods for intercomparing transient tracer data in the ocean using models and observations*”, Biosphere II, AZ, October 1995.

PUBLISHED ABSTRACTS (Total of 209)

- Mahowald, N., D. Ward, S. Kloster, J. Randerson, Scott Doney, K. Lindsay, E. Munoz, S. Schlunegger, D. Lombardozzi, D. Lawrence, P. Lawrence, and F. Hoffman, 2015: Impact of land use and land cover change on climate and air quality in the CESM, AGU 2015 Fall Meeting, San Francisco, CA, A41R-03
- Crews, L., S. Doney, M. Kavanaugh, H. Ducklow, O. Schofield, and D. Glover, 2015: Phytoplankton bloom phenology near Palmer Station Antarctica, AGU 2015 Fall Meeting, San Francisco, CA, OS13A-2016

- McNutt, M., W. Abdalati, K. Caldeira, S. Doney, P. Falkowski, S. Fetter, J. Fleming, S. Hamburg, G. Morgan, J. Penner, R. Pierrehumbert, P. Rasch, L. Russell, J. Snow, and J. Wilcox, 2015: Responding to climate change at the poles: findings from the National Research Council's Reports on Climate Intervention, AGU 2015 Fall Meeting, San Francisco, CA, GC14C-03
- Goodkin, N., B.-S. Wang, C.-F. You, K. Huguen, N. Grumet-Prouty. and S. Doney, 2015: Ocean circulation and biogeochemistry moderate inter-annual and decadal surface water pH changes in the Sargasso Sea, Goldschmidt Abstracts, Abstract 1077, Prague, Czech Republic.
- Nicholson, D.P., R. Curry, B. Barone, S.T. Wilson, S.C. Doney, and D.M. Karl, 2015: Biogeochemistry from gliders at HOT and BATS, Ocean Carbon & Biogeochemistry 2015 Summer Workshop, Poster, Woods Hole, MA
- Kavanaugh, M., I. Lima, and S. Doney, 2015: Climate-induced shifts of pelagic habitat revealed through seascape-based model intercomparison, 2015 NASA Carbon Cycle & Ecosystems Joint Science Workshop, Poster 2, College Park, MD.
- Kavanaugh, M., S. Doney, F. Muller-Karger, F. Chavez, E. Montes, and S. Gittings, 2015: National Marine Sanctuaries as sentinel sites for a demonstration Marine Biodiversity Observation Network (MBON): remote sensing of dynamic biogeographical seascapes, 2015 NASA Carbon Cycle & Ecosystems Joint Science Workshop, Poster 17, College Park, MD.
- Kavanaugh, M., D. Glover, H. Ducklow, O. Schofield, and S. Doney, 2015: Local and regional shifts in phytoplankton abundance and community structure along the western Antarctic Peninsula 2015 NASA Carbon Cycle & Ecosystems Joint Science Workshop, Poster 90, College Park, MD.
- Williamson, S., J. Rheuban, D. Glover, J. Costa, and S. Doney, 2015: The Effect of Land Use Change on Nitrogen Load into the Buzzards Bay, MA Watershed, 2015 NASA Carbon Cycle & Ecosystems Joint Science Workshop, Poster 94, College Park, MD.
- Williamson, S.C., J.E. Rheuban, J.E. Costa, D.M. Glover, R.W. Jakuba, M.T. Kavanaugh, C. Neill, and S. Doney, 2015: Long-term trends in water quality in Buzzards Bay, Massachusetts, 2015 ASLO Aquatic Sciences Meeting, Granada, Spain, ID: 26397
- Rohr, T., M. Long, and S. Doney, 2015: The effect of mixed layer deepening and sea ice on spatial variability in phytoplankton bloom dynamics in the Southern Ocean, Southern Ocean Dynamics & Biogeochemistry Workshop, Linde Center for Global Environmental Science, California Institute of Technology, Pasadena, CA, Feb. 2015
- Ducklow, H., S. Sailley, S. Stammerjohn, G. Saba, and S. Doney 2014: Ecological controls on biogeochemical fluxes in the western Antarctic Peninsula: Long-Term observations and inverse food web model results, AGU Fall Meeting, San Francisco CA, B31J-07
- McNutt, M., W. Abdalati, K. Caldeira, S. Doney, P. Falkowski, S. Fetter, J. Fleming, S. Hamburg, J. Penner, G. Morgan, R. Pierrehumbert, P. Rasch, L. Russell, J. Snow, D. Titley, and J. Wilcox, 2014: Climate intervention: reflecting sunlight to cool the Earth - Report from the National Research Council, AGU Fall Meeting, San Francisco CA, GC13I-0771
- Randerson, J., K. Lindsay, E. Munoz, W. Fu, F. Hoffman, J. Moore, S. Doney, N. Mahowald, and G. Bonan, 2014: Intensification of climate-carbon feedbacks after 2100 and implications for disturbance regimes, AGU Fall Meeting, San Francisco CA, B14D-01
- Kavanaugh, M., H. Ducklow, D. Glover, O. Schofield, and S. Doney, 2014: An intercomparison of the skill of satellite-based phytoplankton functional type algorithms for the western Antarctic Peninsula, Ocean Optics XXII, The Oceanography Society, Portland, ME, 2220
- Behrenfeld, M.J., E.S. Boss, S.C. Doney, D.A. Siegel, and I. Lima, 2014: Blooms in the context

- of ecosystem annual cycles, AGU/ASLO/TOS Ocean Sciences Meeting, Honolulu, HI, (Abstract ID: 13034)
- Luo, Y.W., D.P. Nicholson, and S.C. Doney, 2014: High-frequency biogeochemical modeling based on HOE-DYLAN experiment at Station ALOHA, AGU/ASLO/TOS Ocean Sciences Meeting, Honolulu, HI, (Abstract ID: 13460)
- Boyd, P.W., S.C. Doney, D. Glover, and S. Lennartz, New approaches to designing complex environmental manipulations of marine phytoplankton, AGU/ASLO/TOS Ocean Sciences Meeting, Honolulu, HI, (Abstract ID: 14570)
- Jenkins, W.J., and S.C. Doney, 2014: Determining oxygen utilization rates in the eastern subtropical North Atlantic main thermocline using an age tracer hybrid inverse model, AGU/ASLO/TOS Ocean Sciences Meeting, Honolulu, HI, (Abstract ID: 14962)
- Misumi, K., K. Lindsay, J.K. Moore, S.C. Doney, and F.O. Bryan, 2014: The iron budget in the ocean surface waters in the 20th and 21st centuries: projections by the Community Earth System Model Version 1, AGU/ASLO/TOS Ocean Sciences Meeting, Honolulu, HI, (Abstract ID: 15547)
- Kavanaugh, M.T., S.C. Doney, H.W. Ducklow, O. Schofield, and S.E. Stammerjohn, 2014: Role of submarine canyons on phytoplankton dynamics along the western Antarctic Peninsula, AGU/ASLO/TOS Ocean Sciences Meeting, Honolulu, HI, (Abstract ID: 16310)
- Glover, D.M., S.C. Doney, K. Lindsay, and I. Lima, 2014: The impact of ocean acidification on marine planktonic calcification, the road to explicit calcifiers in CESM V1.2, AGU/ASLO/TOS Ocean Sciences Meeting, Honolulu, HI, (Abstract ID: 16803)
- Cooley, S.R., J.E. Riebel, D. Hart, J. Hare, and S.C. Doney, 2014: An Atlantic sea scallop integrated assessment model to explore ocean acidification and temperature rise, AGU/ASLO/TOS Ocean Sciences Meeting, Honolulu, HI, (Abstract ID: 17591)
- Hashioka, T., M. Vogt, T. Hirata, Y. Yamanaka, and S.C. Doney, 2014: Potential impacts of global warming on phytoplankton competition projected by different global ecosystem models, AGU/ASLO/TOS Ocean Sciences Meeting, Honolulu, HI, (Abstract ID: 17967)
- Misumi, K., K. Lindsay, J.K. Moore, S.C. Doney, F.O. Bryan, D. Tsumune, and Y. Yoshida, 2014: The iron budget in ocean surface waters in the 20th and 21st centuries: projections by the Community Earth System Model, Japan Geoscience Union Meeting 2014, Yokohama, Japan (Abstract ID: A-OS24)
- Riebel, J.E., S. Cooley, D. Hart, J.A. Hare, and S.C. Doney, 2014: Modeling the social and ecological effects of climate change on the US Atlantic sea scallop fishery, AGU Science Policy Conference, Washington DC, June 2014 (CC-10, abstract ID 1430)
- Vogt, M., P. Brun, M.R. Payne, C.J. O'Brien, N. Bednaršek, E.T. Buitenhuis, S.C. Doney, K. Leblanc, C. Le Quéré, Y. Luo, R. Moriarty, T.D. O'Brien, R. Schiebel, and C. Swan, 2013: Habitat suitability and ecological niches of different plankton functional types in the global ocean, EGU General Assembly, Vienna, Austria, EGU2013-9812
- Paulot, F., D.J. Jacob, M. Johnson, T.G. Bell, C.A. Stock, and S.C. Doney, 2013: Oceanic emissions of ammonia, AGU Fall Meeting, San Francisco CA, A14C-04.
- Keppel-Aleks, G., J.T. Randerson; M. Mu, S.C. Doney, G. van der Werf, G.J. Collatz, and D.C. Morton, 2013: Terrestrial ecosystem regulation of interannual variability in atmospheric CO₂, AGU Fall Meeting, San Francisco CA, B51L-01.
- Doney, S.C., and A. Rosenberg, 2012: U.S. 2013 National Climate Assessment of Oceans and Marine Resources, AGU Fall Meeting, San Francisco CA, GC13E-07 (Invited).
- Westberry, T.K., M.J. Behrenfeld, A.J. Milligan, and S.C. Doney, 2012: Retrospective satellite

- ocean color analysis of ocean iron fertilization, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 10518.
- Siegel, D.A., M.J. Behrenfeld, C.R. McClain, D. Antoine, S.W. Bailey, P.S. Bontempi, E.S. Boss, H.M. Dierssen, S.C. Doney, and R.E. Eplee, Jr., 2012: Regional to global scale phytoplankton dynamics: the SeaWiFS legacy, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 9612.
- Luo, Y.-W., and S.C. Doney, 2012: Estimates of global nitrogen fixation rates and diazotrophic biomass: comparing CCSM model and observational database, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 9371.
- Nicholson, D.P., R.H. Stanley, S.C. Doney, and I.D. Lima, 2012: Triple oxygen isotopes in a global model, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 12073.
- Jonsson, B.F., S.C. Doney, J. Dunne, and M.L. Bender, 2012: Evaluation of Southern Ocean O₂/Ar-based NCP measurements in a model framework, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 11270.
- Lindsay, K., M.C. Long, and S.C. Doney, 2012: The impact of climate change on the Southern Ocean carbon cycle in CESM1-(BGC) CMIP5 experiments, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 12855.
- Calil, P.P., Y. Luo, I. Lima, and S.C. Doney, 2012: Biological relevance of submesoscale dynamics in the highly stratified, oligotrophic ocean, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 12509.
- Sailley, S.F., H. Ducklow, S.C. Doney, and H. Moeller, 2012: Carbon fluxes and pelagic ecosystem dynamics around two western Antarctic Peninsula Adelie penguin colony: an inverse model approach, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 11791.
- Glover, D.M., S.C. Doney, I. Lima, and K. Lindsay, 2012: Assessing the impact of ocean acidification on marine planktonic calcification using satellite analysis and earth system modeling, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 9542.
- Wanninkhof, R., G.H. Park, T. Takahashi, R.A. Feely, J.L. Bullister, S.C. Doney, and T. Tanhua, 2012: Changes in deep-water CO₂ concentrations over the last two to three decades, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 10600.
- Misumi, K., K. Lindsay, K. Moore, and S.C. Doney, 2012: Evaluating the impacts of spatially-varying iron-binding ligand concentrations on dissolved iron distributions in the global ocean, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 10705.
- Goodkin, N.F., N.M. Levine, S.C. Doney, and R. Wanninkhof, 2012: Impacts of temporal CO₂ and climate trends on the detection of ocean anthropogenic CO₂ accumulation, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 10815.
- Hauri, C., N. Gruber, M. Vogt, S.C. Doney, R.A. Feely, Z. Lachkar, A. Leinweber, A.M. McDonnell, M. Munnich, and G.K. Plattner, 2012: Transition decades for ocean acidification in the California current system, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 11119.
- Boyd, P.W., C.S. Law, and S.C. Doney, 2012: A climate change atlas for the ocean, AGU/ASLO/TOS Ocean Sciences Meeting 2012, Salt Lake City, UT, Abstract 9775.
- Doney, S.C., I. Lima, K. Lindsay, J.K. Moore, Y.W. Luo, and S. Sailley, 2012: The climate response of plankton community structure in the NCAR CESM global ocean biogeochemical

- model, 2012 ASLO Aquatic Sciences Meeting, Abstract ID:9620, Lake Biwa, Otsu, Japan.
- Vogt, M., T. Hashioka, M.N. Aita, S. Alvain, L. Bopp, E.T. Buitenhuis, S.C. Doney, I. Lima, C. Le Quéré, and Y. Yamanaka, 2012: Ecological niches of phytoplankton functional types in models and observations: Results from the Marine Ecosystem Model Inter-comparison Project (MAREMIP), 2012 ASLO Aquatic Sciences Meeting, Abstract ID:10074, Lake Biwa, Otsu, Japan.
- Hashioka, T., M. Vogt, Y. Yamanaka, C. Le Quéré, E. Buitenhuis, M.N. Aita, S. Alvain, L. Bopp, T. Hirata, I.D. Lima, and S.C. Doney, 2012: Phytoplankton competition during the spring bloom in four plankton functional models: Results from the Marine Ecosystem Model Inter-comparison Project, 2012 ASLO Aquatic Sciences Meeting, Abstract ID:9637, Lake Biwa, Otsu, Japan.
- Sailley, S.F., M. Vogt, S.C. Doney, M.N. Aita, L. Bopp, E.T. Buitenhuis, T. Hashioka, I. Lima, C. Le Quere, and Y. Yamanaka, 2012: Comparing food-web structure and dynamics across a suite of global marine ecosystem models, 2012 ASLO Aquatic Sciences Meeting, Abstract ID:9593, Lake Biwa, Otsu Japan.
- Jonsson, B., S. Doney, J. Dunne, M. Bender, K. Huang, 2012: Evaluation of Southern Ocean O₂/Ar-based NCP measurements in a model framework, Long Term Ecological Research (LTER) Network All-Scientist Meeting, Estes Park, CO.
- Ducklow, H.W., J. Connors, S.C. Doney, W.R. Fraser, D.G. Martinson, M. Montes-Hugo, O.M. Schofield, B.E. Simmons, S.E. Stammerjohn, and D.K. Steinberg, 2012: Palmer LTER: Long-Term Ecological Research on the Antarctic Marine Ecosystem: Looking Back in Time Through Marine Ecosystem Space, Long Term Ecological Research (LTER) Network All-Scientist Meeting, Estes Park, CO.
- Hauri, C., N. Gruber, M. Vogt, S.C. Doney, R.A. Feely, Z. Lachkar, A. Leinweber, A.M.P. McDonnell, M. Munnich, and G.K. Plattner, 2012: Transition decades for ocean acidification in the California Current System, Third Symposium on the Ocean in a High-CO₂ World, Monterey, CA.
- Hammerling, D., A.M. Michalak, S.R. Kawa, S.C. Doney, and K.M. Schaefer, 2012: Carbon Flux Signal Detection for the ASCENDS mission, AGU Fall Meeting, San Francisco CA, A53H-0218.
- Keppel-Aleks, G. J.T. Randerson, K.T. Lindsay, B. Stephens, J.K. Moore, S.C. Doney, P.E. Thornton, N.M. Mahowald, F.M. Hoffman, C. Sweeney, P.P. Tans, P.O. Wennberg, S.C. Wofsy, 2012: Evaluating carbon dioxide variability in the Community Earth System Model against atmospheric observations, AGU Fall Meeting, San Francisco CA, A32A-08.
- Glover, D.M., S.C. Doney, K.T. Lindsay, and I. Lima, 2012: Progress on assessing the impact of ocean acidification on marine planktonic calcification using satellite analysis, field data and earth system modeling, AGU Fall Meeting, San Francisco CA, OS31B-1721.
- Long, M., K.T. Lindsay, J.K. Moore, and S.C. Doney, 2012: Mechanisms driving ocean carbon cycle response to rising atmospheric CO₂: results from the Community Earth System Model, version 1, AGU Fall Meeting, San Francisco CA, B11E-07.
- Stanley, R.H., W.J. Jenkins, S.C. Doney, and D.E. Lott, III, 2011: Export production quantified by apparent oxygen utilization rates at the Bermuda Atlantic Time-series Study site, ASLO Aquatic Sciences Meeting 2011 (Abstract ID: 7966).
- Nicholson, D.P., R.H. Stanley, E. Barkan, D.M. Karl, B. Luz, P.D. Quay, and S.C. Doney, 2011: Evaluating triple oxygen isotope estimates of gross primary production at the Hawaii Ocean Time-Series and Bermuda Atlantic Time-series Study sites, ASLO Aquatic Sciences Meeting

- 2011 (Abstract ID: 7985)
- Cooley, S.R., N. Lucey, H.L. Kite-Powell, and S.C. Doney, 2011: Could today's mollusk harvests suggest tomorrow's vulnerability to ocean acidification? ASLO Aquatic Sciences Meeting 2011 (Abstract ID: 8482)
- Calil, P.H.R., S.C. Doney, K. Yumimoto, K. Eguchi, and T. Takemura, 2011: Episodic upwelling and dust deposition as bloom triggers in low nutrient low chlorophyll regions, IUGG 2011 General Assembly, Melbourne Australia (Abstract number 1453.00)
- Doney, S.C., S.R. Cooley, and R. Feely, 2011: Keynote: Ocean acidification and living marine resources, American Fisheries Society 141st Annual Meeting (Abstract 75-1)
- Doney, S., K. Moore, K. Lindsay, I. Lima, N. Mahowald, and M. Long, 2011: Incorporating ocean dynamics into a global coupled climate-carbon cycle model, 2011 NASA Carbon Cycle & Ecosystems Joint Science Workshop, Alexandria, VA, Poster ID: 15, http://cce.nasa.gov/meeting_2011/.
- Glover, D.M., S. Doney, and A.W. Tullo, 2011: Comparison of SeaWiFS and MODIS ocean color mesoscale variability, 2011 NASA Carbon Cycle & Ecosystems Joint Science Workshop, Alexandria, VA, Poster ID: 181, http://cce.nasa.gov/meeting_2011/.
- Westberry, T.K., M.J. Behrenfeld, A.J. Milligan, and S.C. Doney, 2011: Retrospective satellite ocean color analysis of ocean iron fertilization (OIF), 2011 NASA Carbon Cycle & Ecosystems Joint Science Workshop, Alexandria, VA, Poster ID: 293, http://cce.nasa.gov/meeting_2011/.
- Long, M., K. Lindsay, S. Peacock, S. Doney, and J.K. Moore, 2011: The 20th and 21st Century ocean carbon cycle in CESM1, World Climate Research Programme (WCRP) Open Science Conference, Denver, CO, Poster ID: Th219A
- Mahowald, N., K. Lindsay, D. Rothenberg, S.C. Doney, J.K. Moore, P. Thornton, J.T. Randerson, and C.D. Jones, 2011: Desert dust and anthropogenic aerosol interactions in the Community Climate System Model coupled-carbon-climate model, World Climate Research Programme (WCRP) Open Science Conference, Denver, CO, Poster ID: W121B
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