

Curriculum Vitae

C. Susan Weiler

As of 03/2020



EDUCATION

Ph.D. Oceanography (1978)

University of California at San Diego, Scripps Institution of Oceanography

Graduate courses School of Natural Resources (1972/73); Wetlands, Computer Science, Statistics
University of Michigan

B.A. with High Honors, Biology (1972)

University of California at San Diego

Junior Year Abroad program (1969/70)

University College Nairobi, Kenya

PROFESSIONAL APPOINTMENTS

Administration

2015 - 2017 **Program Director**, National Science Foundation (NSF), Office of Integrative Activities, Experimental Program to Stimulate Competitive Research (EPSCoR)

2009-2012 **Program Director**, National Science Foundation (NSF), Geosciences Directorate, Atmospheric and Geospace Sciences Division, Interdisciplinary and Cross-Directorate Programs

1990-1999 **Executive Director**, American Society of Limnology and Oceanography (ASLO)
Founder and Editor, ASLO Webpage and *ASLO Bulletin*

1989-1991 **Associate Editor** (for Biology), *Oceanography*, published by The Oceanography Society (TOS)

1987-1988 **Asst. Program Manager**, NSF/GEO Div. of Polar Programs, Polar Biology & Medicine Program

Research

1981-Present **Senior Research Scientist and Research Associate**, Whitman College

1980-1981 **NATO Postdoctoral Fellow**, University of Oslo, Norway

1979-1980 **Visiting Research Scientist**, University of St. Andrews, Scotland

1978-1979 **Postdoctoral Researcher**, University of British Columbia, Canada

Teaching

1994-present **Short courses and presentations** in conjunction with DIALOG & DISCCRS symposia and professional-development sessions at scientific society meetings; focus on interdisciplinary research, teambuilding, collaboration, communication

1993 **Invited, Frank and Marjorie Meek Visiting Scholar** in Fisheries and Ocean Science, University of Alaska, Fairbanks

1981-1991 **Lecturer, Visiting Assistant Professor**, Whitman College (Biology, Environmental Studies, General Studies (humanities sequence))

1975 **Teaching Assistant**, University of California at San Diego

1972 **Teaching Fellow**, University of Michigan

1970 **Secondary school teacher**, Migori Secondary School; Suna, Kenya

AWARDS AND HONORS

2012 **NSF Director's Award for Collaborative Integration** from National Science Foundation, for work with the NSF Family Friendly Policies Working Group – see <http://www.nsf.gov/career-life-balance/>

2012 **NSF Director's Award for Collaborative Integration** from National Science Foundation, for IGERT Cyberinfrastructure Framework for 21st Century Science and Engineering Collaboration

2011 **NSF Director's Award for Collaborative Integration** from National Science Foundation, for work with the Interdisciplinary Graduate Education and Research Traineeship (IGERT) Team

- 2010 **Ramon Margalef Excellence in Education Award** from American Society of Limnology and Oceanography (ASLO) for “longstanding dedication to mentoring and educating the next generation of scholars in limnology and oceanography, and particularly for her visionary development of programs for newly graduated doctoral students.”
- 2007 **Tommy and Yvette Edmondson Distinguished Service Award** from American Society of Limnology and Oceanography (ASLO) “for outstanding leadership in the professional development and mentoring of the next generation of aquatic scientists”
- 1991 **Invited Expert Witness** for U.S. Senate Commerce, Science and Transportation Committee Hearing on Global Change Research: Ozone Depletion and its Impacts, Nov. 15, 1991, Washington, D.C. Chaired by Senator Al Gore

GRANTS

- 2014-2015 **NSF** grant: ‘Collaborative Research: New Generation of Polar Researchers Leadership Symposium’
- 2009-2017 **NSF** grant: ‘Collaborative Research: DISCCRS: Interdisciplinary leadership training for early career scholars’
- 2010-2016 **NASA** grant: ‘DISCCRS: Interdisciplinary leadership training for early career scholars’
- 2006-2008 **NSF** grant: ‘Collaborative Research: Fostering collaborative, interdisciplinary work among the “New Generation” of polar researchers participating in the International Polar Year (IPY)’
- 2005-2009 **NSF** grant: ‘Collaborative Research: Fostering cross-disciplinary relationships and early-career development to advance interdisciplinary research on climate change and impacts.’
- 2003 **DoE** grant, ‘DIALOG: Fostering early career development across the aquatic sciences’
- 2002-2006 **NSF, NASA, NOAA, ONR** grants: ‘DIALOG: Fostering early career development across the aquatic sciences’ plus supplemental funding from the Inter-American Institute for Global Change Research (**IAI**) to support travel of participants from South America
- 2001-2003 **NOAA** grant: ‘Career 2001 – Professional society collaborations’
- 2001-2003 **NSF** grant: ‘Biocomplexity at the land-water interface: Enhancing interdisciplinary understanding and networking among recent PhD recipients’
- 2001-2004 **NSF** grant: ‘Dissertations initiative for the advancement of climate change research (DISCCRS)’
- 2001-2004 **NSF** grant: 'Underrepresented minorities in the aquatic sciences: Establishing a database and electronic resources'
- 1999-2000 **NOAA** grant: 'Expanding opportunities for minority graduate students and recent graduates in the aquatic sciences'
- 1997-2002 **NSF, NASA, NOAA and ONR** grants: 'Dissertations Initiative for the Advancement of Limnology and Oceanography: DIALOG III and IV'
- 1997, 1999, 2001 **European Commission** (EC) travel awards to bring European participants to DIALOG II, III and DIALOG IV symposia (proposal written in collaboration with Maarten Boersma, Max Planck Institute für Limnology; proposal submitted by M. Boersma)
- 1996-1997 **NSF, NASA, NOAA and ONR** grants: ‘Dissertations Initiative for the Advancement of Limnology and Oceanography: DIALOG II’
- 1995 **NSF** grant: 'Workshop on the use of slides, videos, and emerging computer technologies in undergraduate aquatic science education'
- 1994-1995 **NSF, NASA, NOAA and ONR** grants: ‘Dissertations Initiative for the Advancement of Limnology and Oceanography (DIALOG)’
- 1992-1999 **ONR** grant: 'Recognition of outstanding work by aquatic science students: cooperation between the American Society of Limnology and Oceanography and the Ocean Sciences Directorate of the Office of Naval Research'
- 1992-1994 American Geophysical Union (**AGU**) small grant to edit book on Ultraviolet Radiation and Biological Research in Antarctica.
- 1991-1992 Awards from **NSF, EPA, ONR, DoE, NASA, TRW and DuPont**: 'American Society of Limnology and Oceanography Symposium on "What controls phytoplankton production in nutrient-rich areas of the open sea?"'

- 1986 **Norwegian Marshall Foundation** travel award: 'Response of the circadian timekeeper to seasonal changes in photoperiod and temperature for an Oslofjord population of the dinoflagellate genus *Ceratium*'
- 1984-1987 **NSF** grant: 'Vertical distribution of abundance and growth for *Ceratium* species in oligotrophic, open-ocean environments'
- 1980-1981 **North Atlantic Treaty Organization** Postdoctoral Fellowship award: 'Temporal pattern of cell division and dinoflagellate growth dynamics in the Oslofjord, Norway'

OCEANOGRAPHIC RESEARCH CRUISE EXPERIENCE:

- SARGASSO SEA Cruise, University of Maryland: Ten-day transect from Beaufort, North Carolina to Bermuda, June 1987, aboard R/V CAPE HATTARAS
- VERTEX V Cruise, UCSC/WHOI: Three-week transect from California coast to central North Pacific, June 1984, aboard R/V T.G. THOMPSON
- North Pacific Central Gyre Cruise: Three-week transect from Hawaii to California, September 1976, aboard R/V ALEXANDER AGASSIZ
- Southern California Bight Microstratification cruise, SIO-Bureau of Commercial Fisheries, March 1976 aboard NOAA R/V DAVID STARR JORDAN
- Southern California Bight Survey Cruises (SCBS V, VII, IX), Food Chain Research Group, 1975-1977 aboard R/V ELLEN B. SCRIPPS and R/V ALEXANDER AGASSIZ
- California Cooperative Fisheries Investigation cruise: Three weeks along California coast, March 1975, aboard NOAA R/V DAVID STARR JORDAN

ADMINISTRATIVE POSITIONS

National Science Foundation (NSF)

- 2015-2017 **Program Director**, OI/Office of Integrative Activities, Experimental Program to Stimulate Competitive Research (EPSCoR). EPSCoR enhances research competitiveness of targeted jurisdictions (states, territories, commonwealth) by strengthening STEM capacity and capability. Major responsibilities: EPSCoR Tracks I, II and IV, EPSCoR Workshop Opportunities and EOCoR co-funding.
- 2009-2012 **Program Director**, Geosciences Directorate, Division of Atmospheric and Geospace Sciences (AGS)
Major responsibilities: Coordinate interdisciplinary, education and cross-directorate programs. In addition to responsibilities within the Division (including development and management of the new AGS Postdoctoral Research Fellowship Program), I was involved with many NSF-wide programs, including: GEO Representative for several NSF-wide Coordinating Committees and Working Groups including the Faculty Early Career (**CAREER**), Graduate Research Fellowship (**GRF**), Integrative Graduate Education and Research Training (**IGERT**), Major Research Instrumentation (**MRI**), Research Experiences for Undergraduates (**REU**) Sites, and **SEES Fellows** programs. I also served as the GEO representative for: GEO/SBE Environment, Society and the Economy (**ESE**), and GEO/BIO Emerging Topics in Biogeochemical Cycles (**ETBC**). In addition to managing the proposal review process including writing review analyses and decision letters, I crafted and edited several program solicitations and contributed to the writing of strategic plans. I organized review panels for interdisciplinary proposal competitions, identified reviewers, recommended proposals for award and wrote the necessary review analyses and project summaries. I worked on teams responsible for managing various cross-directorate programs. Responsibilities also included community outreach such as presentations at scientific meetings. In addition I served as one of six program officers on the NSF Director's Family Friendly Policies Working Group and subsequent Career Life Balance working group - <http://www.nsf.gov/career-life-balance/>.
- 1987-1988 **Assistant Program Manager**, Geosciences Directorate, Division of Polar Programs

Major responsibilities: Managed proposal review process for the Polar Biology and Medicine Program; organized and managed special competition for proposals dealing with the Antarctic Ozone Hole; fostered collaborations between UV research community and Polar research community to jump-start research on biological consequences of the ozone hole; worked with Polar Programs Director, staff and industry to develop and implement the NSF UV Monitoring Network.

American Society of Limnology and Oceanography (ASLO) Member since 1974

1990-1999 **Executive Director:** As ASLO's first Executive Director I worked with the president and board of directors to create and maintain the infrastructure necessary for a vibrant, active society led by volunteers. I built an infrastructure for the position from scratch, including creation of an organizational manual for the President and Board of Directors, development of a membership database, society newsletter and webpage. I proposed, defined and edited the content of the *ASLO Bulletin*, a new publication to inform members of society activities and build a global sense of community and engagement among limnologists and oceanographers. I served on the Program Committee for all national and international meetings and served as the ASLO liaison with various scientific societies including AGU and ESA. I proposed and implemented the first ASLO webpage, and edited the content from 1995-1999. I organized and served as an ex-officio member of all committees. I also established guidelines and the review process for student and senior awards and oversaw the review committees for awards presented at nine national and international meetings. I developed education and other projects approved by the board and represented the society at various meetings. I served as the primary liaison with funding agencies such as the National Science Foundation and organizations such as the Council of Scientific Society Presidents. In addition, I served as an ex-officio member of the ASLO annual and aquatic science meeting organizing committees and as the official ASLO supervisor of the meetings management firm. I also represented ASLO on the AGU-ASLO joint Ocean Sciences Organizing Committees from 1990-1999.

SCIENTIFIC SOCIETIES: ELECTED AND APPOINTED POSITIONS

American Geophysical Union Member since 1981

2014-2015 **Chair**, Task Force for Transdisciplinary Science Conference.

This conference was proposed to bridge the appropriate fields of the geosciences, biological/ecological and social sciences, and engineering, related to the area of Earth system science and sustainability. The goal was to provide a regularly occurring forum for presenting results of collaborative transdisciplinary research and discussion of the science and related societal challenges. Unfortunately the first meeting was postponed due to scheduling difficulties and conflicts with concurrent AGU strategic planning.

2013-2015 **Member**, AGU Meetings Committee

This Committee works on behalf of the AGU Board and Council to advance the Union's scientific direction and strategy for disseminating scholarly research at meetings. It provides input into the overall strategy for meetings, recommends criteria and policies that support AGU's meeting goals, ensures the scientific direction and scope of AGU meetings are consistent with AGU's overall strategy and is reflective of Earth and space science, secures the appointment of program committee chairs, and reviews the annual performance of meetings. The committee partners with AGU leadership, staff, other committees, and sections/focus groups to accomplish its work. I took the lead in developing a proposal to the AGU Council, to develop a new, interdisciplinary meeting that would bring together AGU members plus biologists, engineers and social scientists who are not members of AGU and who do not normally attend AGU meetings. The topic would be interdisciplinary, dealing with sustainability of the Earth system. Our hope is that, if the first is successful, a similar meeting will be held on a regular schedule, perhaps every 2 years.

2008-2009 **Liaison**, between AGU and the Antarctic Treaty Summit Board of Directors

2002-2004 **Member**, Excellence in Geophysical Education Award Committee

2000-2002 **Chair**, History of Geophysics Committee

1999-2000 **Member**, Survey Effectiveness and Analysis Team

1990-1999 ASLO Representative, Organizing Committee for AGU/ASLO joint Ocean Sciences Meeting

American Institute of Physics

AIP is “a society of societies”. It supports ten Member Societies and provides a spectrum of services and programs devoted to advancing the science and profession of physics.

2005-2007 **Chair**, American Institute of Physics Statistical Research Center Advisory Committee

2003-2005 **Chair**, American Institute of Physics Statistical Research Center Advisory Committee

2000-2003 **Member**, American Institute of Physics Statistical Research Center Advisory Committee

Sigma Xi, The Scientific Research Society Member since 1976

Sigma Xi was founded in 1886 to honor excellence in scientific investigation and encourage a sense of companionship and cooperation among researchers in all fields of science and engineering. More than 500 Sigma Xi chapters in North America and around the world provide a supportive environment for interdisciplinary research and outreach at colleges and universities, industry research centers and government laboratories.

National

2020 **Member**, Committee on Nominations (elected)

2003-2006 **Member**, Committee on Strategic Planning (appointed)

2001-2004 **Chair**, Committee on Resolutions (appointed)

Review Committee Member, Grants in Aid of Research Program

1999-2000 **Interim Director**, Baccalaureate College Constituency Group (appointed)

1991-1999 **Member**, Sigma Xi Board of Directors (elected)

Regional Northwest Region

1991-1999 **Northwest Regional Director** (elected)

1990-1993 **Nominating Committee**, Northwest Region (elected)

1989-1991 **Inland Northwest Area Coordinator** (elected)

Local Whitman College – Walla Walla College Chapter 519

1998-2003 **President**

1989-1993 **President**

1988-1989 **President Elect**

1984-1985 **Secretary**

The Oceanography Society Member 1990 - 2008

1989-1991 **Associate Editor** (Biology), *Oceanography*

COMMUNITY SERVICE

2017 **Invited Mentor**: National Academies of Science, Engineering and Medicine Gulf Research Fellows Orientation Meeting, held October 30, 2017, The National Academies, Washington, DC.

2014 **Co-Organizer**, with Adina Payton: Informal get-together with more than 50 graduate students and early career researchers participating in the first Gordon Research Conference on Ocean Global Change Biology, held July 6-11, 2014, Waterville Valley Resort, Waterville Valley, NH.

2013 **Invited Speaker**, Weiler, C.S. Strategies for success in interdisciplinary research collaborations. ESA Workshop, “Next Generation Ecologists in Global Change Research: Current Status and Future Directions”. I also served as a panelist for a session of this workshop, Workshop held in conjunction with the Ecological Society of America Annual Meeting, August 4, 2013, Minneapolis, Minnesota

2011 **Co-Convener**, four sessions on “Impacts of Over a Decade of CAREER Awards” S. Esperanca (NSF), C.S. Weiler (NSF) and E.L. Rom (NSF). AGU Fall Meeting, Dec. 5-9, 2011, San Francisco, California

2000-2007 **Various early career activities** in conjunction with ASLO meetings. Also service as mentor for underrepresented minorities attending ASLO/Hampton University workshops organized by Dr. Benjamin Cuker and for the MS PHD program organized by Dr. Ashanti Pyrtle

2006 **Co-Convener**, three sessions on “The Right Stuff: Graduate and Postgraduate Training for Interdisciplinary Research Careers.” Weiler, C.S., S.B. Cook (Consortium for Oceanographic Research and Education and L.E. Duguay (University of Southern California), Ocean Sciences Meeting 20-24 February, 2006, Honolulu, Hawaii

2006 **Organizer**, evening session on Interdisciplinary graduate education, 2006 AGU Ocean Sciences Meeting, Honolulu, Hawaii

- 1991-2000 **Ex Officio member Meeting Organizing Committees** ASLO annual meetings and biennial Aquatic Science meetings. I also served as the ASLO representative on the biennial AGU Ocean Sciences meeting Organizing Committees during this period.
- 2000 **Workshop Organizer.** Enhancing participation of underrepresented minority graduate students in the Aquatic Sciences. Held in conjunction with the annual meeting of the American Society of Limnology and Oceanography, June 5-9, 2000, Copenhagen, Denmark
- 1996 **Workshop Organizer,** "Illustrative Materials and Exercises for Aquatic and Marine Science Education." ASLO Annual Meeting, June 15, 1996. Milwaukee, Wisconsin
- 1995 **Workshop Organizer,** "Use of Emerging Computer Technologies in Undergraduate Aquatic Science Courses." ASLO Annual Meeting, June 11, 1995, Reno, Nevada
- 1995 **Co-Convener,** Special Session on "Ultraviolet Radiation Effects on Marine and Freshwater Organisms and Environments" (with David Lean), ASLO 1995 Annual Meeting, June 11-15, Reno, Nevada
- 1995 **Participant,** Workshop on "Roles of Marine Laboratories in Implementing the Nation's Emerging Priorities for Research and Monitoring in the Coastal Zone", 24-27 October, 1995, Sarasota, FL
- 1994 **Participant,** SCOPE, IASC (International Arctic Science Committee), KVUG (Commission for Scientific Research in Greenland) Workshop on "Effects of Increased UV-Radiation in the Arctic", April 14-15, 1994, Copenhagen, Denmark.
- 1993 **Participant,** NATO Advanced research workshop on "Ozone Depletion/UV-B Radiation in the Biosphere", June 12-18, 1993, Gainesville, Florida.
- 1993 **Participant,** Workshop on "The impact of UV-B Radiation on Pelagic Freshwater Ecosystems", September 13-18, 1993, Lake Lacawac, Pennsylvania.
- 1992 **Co-Convener,** Special Session entitled "UV Radiation" (with K.S. Baker), ASLO 92 Aquatic Sciences Meeting, Feb. 9-14, 1992, Santa Fe, New Mexico
- 1992 **Participant,** United Nations Environmental Program's Scientific Committee on Problems of the Environment (SCOPE) workshop on "Effects of Increased UV Radiation on Aquatic and Terrestrial Ecosystems", September 28 - October 3, 1992, Sardinia, Italy.
- 1992 **Participant,** United Nations Environmental Program's Scientific Committee on Problems of the Environment (SCOPE) workshop on "Environmental Effects of Ozone Depletion on Biological Systems", February 17-22, 1992, Budapest, Hungary.
- 1991 **Meeting Organizer,** What Controls Phytoplankton Production in Nutrient-Rich Areas of the Open Sea? February 22-23, 1991, San Marcos, California. This was the first public workshop on iron fertilization and it brought together 150 researchers from the U.S. and abroad to debate the science and ethics. See *Limnology and Oceanography*, 1991. Volume 36(8):1507-1970. I proposed this topic to the ASLO Board, raised funds for participant travel and on-site expenses, served on the scientific Steering Committee and handled all meeting logistics. See Weiler, C.S. 1991. What controls phytoplankton production in nutrient-rich areas of the open sea? Report from a workshop held February 22-23, 1991, San Marcos, California. *American Society of Limnology and Oceanography*. 17 pp.
- 1991 **Participant,** U.S. Department of Agriculture workshop "Justification and Criteria for the Monitoring of Ultraviolet (UV) Radiation", January 22-25, 1991, Denver, Colorado.
- 1990 **Co-Convener,** two special sessions entitled "Effects of Ultraviolet Radiation on the Marine Environment" (with J. J. Cullen), joint AGU/ASLO Ocean Sciences Meeting, Feb. 12-16, 1990, New Orleans, Louisiana
- 1990 **Participant,** Chemical Manufacturers Association Fluorocarbon Panel and SIO Polar Research Program workshop on "Response of Marine Phytoplankton to Natural Variations in UV-B Flux", April 5, 1990, San Diego, California.
- 1990 **Participant,** National Research Council (NRC) workshop, "Marine Algal Productivity and Carbon Dioxide Assimilation." Oct. 29-31, 1990, Irvine, California.
- 1989 **Participant,** "Rethinking the Curriculum [for interdisciplinary study]". June 19-23, 1989, San Diego, CA.
- 1988 **Participant,** Marine Mammal Commission workshop, "Palmer Station Biological Program". The goal of the workshop was to "Describe the Biological Research Program and Possible

- Impacts from Activities in the Area to Serve as a Basis for Development of a Provisional Research/Management Plan". Nov. 3-4, 1988, Santa Barbara, California
- 1988 **Organizer**, UV Radiation and Biological Research in Antarctica, June 7-8, 1988, National Science Foundation, Washington, D.C. I proposed and organized this meeting to bring together Antarctic researchers who were interested in UV research but had no experience, and UV researchers who had experience with field and/or laboratory experiments with UV radiation and UV measurement, to build a community of polar researchers who could conduct research related to the measurement of UV radiation and the biological consequences of the Antarctic Ozone Hole.

FEDERAL AGENCY SERVICE *in addition to ad hoc proposal review (ongoing)*

- 2019 **Panel Reviewer**, NSF Geosciences Directorate
- 2013 **Reviewer**, CAREER Proposals submitted to AGS Climate and Large-Scale Dynamics program
- 2008 Review Panel Member, Site visit, NSF Center for Multi-Scale Modeling of Atmospheric Processes (CMMAP), Colorado State University. May 15-16, 2008.
- 2007 **Panel Reviewer**, NSF Integrative Graduate Education and Research Traineeship (IGERT) Program. Panel meeting December 5 – 6, 2007.
- 2005 **Steering Committee Member**, NSF 2005 Biocomplexity in the Environment Awardees Meeting
- 2004 **Panel Reviewer**, NSF Office of Polar Programs Postdoctoral Fellowship Award Proposal Review, Arlington, VA
- 1998 **Evaluation Committee Member**, NSF Program for Participation of Women in Research and Education (POWRE). Washington, D.C.
- 1996 **Panel Reviewer**, NSF Special Emphasis Panel for the Division of Biological Instrumentation and Resources (Postdoctoral Research Fellowships in Biosciences Related to the Environment). Washington, D.C.
- 1995 **Invited Participant**, NSF Conference on Women in Science, December 13 - 15, 1995, Washington, D.C.
- 1995 **Panel Reviewer**, NSF Special Emphasis Panel for the Division of Biological Instrumentation and Resources (Postdoctoral Research Fellowships in Biosciences Related to the Environment) Washington, DC
- 1995 **Panel Reviewer**, IAI Start-Up Grants, November, 1995, Montevideo, Uruguay
- 1990 **Review Panel Member**, NSF Visiting Professorships for Women Program, May 27-28, 1990, Washington, DC.
- 1990 **Participant**, National Research Council (NRC) workshop, "Marine Algal Productivity and Carbon Dioxide Assimilation." Oct. 29-31, 1990, Irvine, California.
- 1989 **Invited Participant**, EPA/ONR workshop, "Effects of Solar Ultraviolet Radiation on Biogeochemical Dynamics in Aquatic Environments". October 22-26, 1989, Woods Hole, Massachusetts.
- 1988 **NSF Observer**, National Research Council (NRC) Workshop, "The Effects of an Increase in Ultraviolet Radiation on the Biota". April 28 - 29, 1988, Washington, D.C.
- 1988 **Convener**, joint NSF/EPA workshop, "Ultraviolet Radiation and Biological Research in Antarctica". June 7-8, 1988, Washington, D.C.

PUBLIC WEBPAGES

- 2002-present **DISCCRS initiative for recent climate-change PhD.s.** <http://disccrs.org>. This site was developed through funding from NSF, NASA, NOAA and ONR and builds on its predecessor, DIALOG. More than 3,000 Ph.D. dissertations have been registered with abstracts on line in a fully searchable format. See <http://disccrs.org/search.html> The site also includes career resources for interdisciplinary faculty and researchers, news items, and links to other sites of interest to climate researchers. Youtubes recently added: [What do you wish everyone knew about climate change?](#)
[What do you want to know about climate change?](#)

- 2014-2015 **New Generation of Polar Researchers (NGPR) Leadership Symposium webpage.** <http://disccrs.org/ngpr> Final report is currently in preparation.
- 2008-2009 **IPY New Generation of Polar Researchers (NGPR) Symposium webpage.** No longer current. See archive: <http://www.apecs.is/apecs-meetings-a-events/past-events/ngpr-2008> Youtube recently added: [International Polar Year: New Generation of Polar Researchers Share their science.](#)
- 2002-2005 **Minorities in the Aquatic Sciences** <http://aslo.org/mas/> This site was developed through a grant from NSF, C.S. Weiler PI. In 2006, the site was transferred to Dr. Benjamin Cuker at Hampton University.
- 1999-2006 **Resources for early career development** <http://marcus.whitman.edu/~weilercs/resources/> (currently: <http://disccrs.org/career>)
This site was one of three resources cited by the Assistant Director for the National Science Foundation's Geosciences Directorate 2006 "Dear Colleague" letter on mentoring guidelines for graduate students and postdocs.
- 1995-2007 **DIALOG initiative for recent aquatic science PhDs** The contents of this website were merged with DISCCRS and moved to <http://disccrs.org>
- 2003-2005 **Meeting the Needs of Recent Ph.D. Graduates in a Changing Global Environment** <http://disccrs.org/files/biocomplexity/index.html> This site includes Powerpoint presentations from the meeting along with the report from the workshop.
- 1995-1999 **ASLO Webpage** <http://aslo.org> Founder and Content Editor ASLO webpage.

PUBLICATIONS

- Weiler, C.S. R.B. Mitchell and J.M. Marlon. In prep. Trends in doctoral dissertations related to climate change.
- Hein, C.J., J.E. Ten Hove, S. Gopalakrishnan, B. Livneh, H.D. Adams, E.K. Marino and C.S. Weiler, 2018. Overcoming early career barriers to interdisciplinary climate change research. *WIREs Climate Change* 2018;e530. <https://doi.org/10.1002/wcc.530>
- Milman, A., J.M. Marston, S.E. Godsey, J. Bolson, H.P. Jones and C.S. Weiler. 2015. Scholarly motivations to conduct interdisciplinary climate change research. *Environmental Studies and Sciences*. doi:10.1007/s13412-015-0307-z. <http://link.springer.com/article/10.1007/s13412-015-0307-z>
- Weiler, C.S. and R.B. Mitchell. 2014 Dissertations Initiative for the Advancement of Climate Change Research (DISCCRS): DISCCRS VIII Symposium Report. http://disccrs.org/files/DISCCRS_VIII_Symposium_Report.pdf
- Weiler, C.S. and R.B. Mitchell. 2013. Dissertations Initiative for the Advancement of Climate Change Research (DISCCRS): DISCCRS VII Program Report. http://disccrs.org/files/DISCCRS_VIII_Program_Report.pdf
- Weiler, C.S., R.B. Mitchell and J.R. Marlon, 2012. Dissertations Initiative for the Advancement of Climate Change Research (DISCCRS): DISCCRS VII Symposium Report. http://disccrs.org/files/DISCCRS_VII_Symposium_Report.pdf
- Weiler, C.S., R.B. Mitchell and J.R. Marlon, 2012. Dissertations Initiative for the Advancement of Climate Change Research (DISCCRS): DISCCRS VII Program Report. http://disccrs.org/files/DISCCRS_VII_Program_Report.pdf
- National Science Foundation. 2012. Balancing the Scale: The National Science Foundation CLB Initiative. NSF Family Friendly Policies Working Group. Arlington, VA. C. S. Weiler was one of six members of the Family Friendly Policies Working Group and co-authored the report.
- Weiler, C. S., J. Keller and C. Olex. 2011. Personality type differences between Ph.D. climate researchers and the general public: Implications for effective communication. *Climatic Change* 112(2):233-242. DOI 10.1007/s10584-011-0205-7. http://disccrs.org/files/WeilerEtAl_2011_ClimaticChange_MBTL.pdf
- Mitchell, R.B. and C.S. Weiler. 2011. Developing next-generation climate-change scholars: The DISCCRS experience. *J. Environmental Studies and Sciences* 1:54-62. <http://disccrs.org/files/2011-JournalEnvironmentalStudiesSciences.pdf>
- Berkman, P.A., D.W.H. Walton and C.S. Weiler, 2008. Antarctic Treaty Summit to focus on global science

- policy lessons. *Eos* 89(42):406.
- Wardell, L., C.S. Weiler, S. Drobot and J. Baeseman. 2008. Preparing new polar researchers to lead the next International Polar Year. *Eos*. 89(33):305.
http://www.apecs.is/images/stories/ngpr/documents/ngpr_eos_2008.pdf
- Weiler, C.S., S.D. Drobot and J. Baeseman, 2008. Final Report, New Generation of Polar Researcher Symposium. <http://apecs.is/images/stories/ngpr/documents/ipy-ngpr-report.pdf>
- Weiler, C.S. 2007. Meeting Ph.D. graduates' needs in a changing global environment. *Eos* 88(13):149,151.
http://discrcs.org/sites/default/files/Weiler_Eos_2007.pdf
- Weiler, C.S. 2005. The Right Stuff: Preparing Ph.D. graduates for the challenges posed by complex environmental systems. *L&O Bulletin* 14(2):47-48.
- Weiler, C.S. 2004. Dissertations Initiative for the Advancement of Climate Change Research (DISCCRS). Program Report. <http://people.whitman.edu/~weilercs/biocomplexity/>
- Weiler, C.S. 2003. Meeting the Needs of Interdisciplinary Ph.D. Graduates in a Changing Global Environment. Workshop Report.
<http://discrcs.org/files/biocomplexity/BiocomplexityWorkshopReport.pdf> and webpage:
<http://discrcs.org/files/biocomplexity/index.html>
- Weiler, C.S. 2003. DIALOG: Easing the transition from student to professional. *L&O Bulletin* 12(4):84-85 and http://discrcs.org/files/Weiler_2003_L&O.pdf
- Weiler, C.S. 2002. DIALOG IV Program Report. *L&O Bulletin* 11(1):22-25.
- Weiler, C.S. 2002. Advice to students wishing to pursue aquatic science careers: Reflections of DIALOG symposium participants. <http://discrcs.org/files/advice.pdf>
- Weiler, C.S. 2001. DIALOG IV Symposium report: What's up with this new generation of aquatic scientists? *L&O Bulletin* 10(4):72-73 <http://discrcs.org/files/d4sympreport.pdf>
- Weiler, C.S. 2001. Minorities in the aquatic sciences (MAS): Establishing a database and electronic resources. *L&O Bulletin* 10(3):54-55.
- Weiler, C.S., S.E. Beaulieu and other DIALOG III participants. 2000. Perspectives on graduate education experiences in aquatic science. *ASLO Bulletin* 9(2):20-22 and
<http://discrcs.org/sites/default/files/gradperspective.pdf>
- Weiler, C.S. 2000. Dissertation Initiative for the Advancement of Limnology and Oceanography: DIALOG III Program report. *ASLO Bulletin* 9(2):6-10.
- Weiler, C.S. 1997. DIALOG II: Dissertation initiative for the Advancement of Limnology and Oceanography: DIALOG II Program Report. *ASLO Bulletin* 6(2):10-14.
- Weiler, C.S. 1995. 1994 DIALOG Symposium Report. *ASLO Bulletin* 4(1):10-12.
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- Weiler, C.S. and P.A. Penhale (editors), 1994. ULTRAVIOLET RADIATION IN ANTARCTICA: MEASUREMENTS AND BIOLOGICAL EFFECTS. American Geophysical Union Antarctic Research Series Vol. 62, 257 pp.
- Booth, C.R., T.B. Lucas, J. Morrow, C.S. Weiler, and P.A. Penhale, 1994. The United States National Science Foundation's polar network for monitoring ultraviolet radiation. Pp. 17-38 in (C.S. Weiler and P.A. Penhale, eds.), ULTRAVIOLET RADIATION IN ANTARCTICA: MEASUREMENTS AND BIOLOGICAL EFFECTS. American Geophysical Union Antarctic Research Series Vol. 62.
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- Weiler, C.S. and P.H. Yancey, 1992. Dual-career couples and academic science. *Journal of College Science Teaching* 21(4):217-222. (Invited by Editor based on his reading of Weiler & Yancey 1989) <http://discrs.org/files/Dual-Career.pdf>
- Weiler, C.S. 1991. What controls phytoplankton production in nutrient-rich areas of the open sea? Report from a workshop held February 22-23, 1991, San Marcos, California. American Society of Limnology and Oceanography. 17 pp.
- Weiler, C.S., W.M. Balch, S.W. Chisholm, J.J. Cullen, W.G. Harrison, P.A. Matrai, J.J. McCarthy, J.R. Nelson, M.J. Perry, D.G. Radalje, J.H. Sharp and M.M. Sinclair, 1990. Richard W. Eppley's contributions to phytoplankton physiology and biological oceanography. *Oceanography* 3(2):42-46.
- Weiler, C.S. and P.H. Yancey, 1989. Dual-career couples and science: Opportunities, challenges, and strategies. *Oceanography* 2(2):28-31,64.
- Weiler, C.S. (editor), 1988. Workshop on Ultraviolet Radiation and Biological Research in Antarctica. National Science Foundation, NSF 88-108, 28 pp.
- Weiler, C.S., 1988. UV radiation and biological research in Antarctica. *Biomass* 10(1):4.
- Quetin, L.B., R.M. Ross, W. Detrich, W. Fraser, R. Moe, B. Obst, and S. Weiler, 1988. Description of the Biological Research Program in the vicinity of Palmer Station, Antarctica and possible impacts on the program from activities in the area to serve as a basis for the development of a provisional research / management plan for the Palmer area. Workshop Report, Marine Mammal Commission. 67 pp.
- Booth, C.R., C.S. Weiler, and P.A. Penhale, 1988. Collection and distribution of data from the United States Antarctic Program's UV monitoring network. Pp. 23-24 in, Workshop on Ultraviolet Radiation and Biological Research in Antarctica (C.S. Weiler, ed.). National Science Foundation, 28 pp.
- Adams, K.J., C.S. Weiler, and L.N. Edmunds Jr., 1984. Photoperiodic control of cell division in *Euglena* and *Ceratium*. Pp 395-430 in, L.N. Edmunds Jr. (ed.) CELL CYCLE CLOCKS. M. Dekker, Inc. 616 pp.
- Weiler, C.S., 1980. Population structure and in situ division rates of *Ceratium* in oligotrophic waters of the North Pacific central gyre. *Limnol. Oceanogr.* 25:610-619.
- Weiler, C.S. and D.M. Karl, 1979. Diurnal changes in phased-dividing cultures of the marine dinoflagellate *Ceratium furca*: Nucleotide triphosphates, adenylate energy charge, cell carbon, and patterns of vertical migration. *J. Phycolology* 315:384-391.
- Eppley, R.W. and C.S. Weiler, 1979. The dominance of nanoplankton as an indicator of marine pollution: A critique. *Oceanologica Acta* 2:241-245.
- Weiler, C.S. and R.W. Eppley, 1979. Temporal pattern of division in the dinoflagellate genus *Ceratium* and its application to the determination of growth rate. *J. Exp. Mar. Biol. Ecol.* 39:1-24.
- Weiler, C.S., 1978. Phased cell division in the dinoflagellate genus *Ceratium*: Temporal pattern, use in determining growth rates, and ecological implications. Ph.D. thesis, University of California, San Diego. 126 pp.
- Weiler, C.S. and S.W. Chisholm, 1976. Phased cell division in natural populations of marine dinoflagellates from shipboard cultures. *J. Exp. Mar. Biol. Ecol.* 25:239-247.

PRESENTED PAPERS (Oral and poster)

- Weiler, C.S. (invited). 2019. Collaborative Research: Using the DISCCRS model to prepare a new generation of Interdisciplinary, International, Inclusive Researchers. AMS Annual Meeting, January 6-10, 2019, Phoenix, AZ.
- Weiler, C.S. 2014. Launching successful research careers into a sea of change. Gordon Research Conference on Ocean Global Change Biology, July 6-11, 2014, Waterville Valley Resort, Waterville Valley, NH. Poster.
- Weiler, C.S. Invited. Strategies for success in interdisciplinary research collaborations. ESA Workshop, "Next Generation Ecologists in Global Change Research: Current Status and Future Directions" held in conjunction with the Ecological Society of America Annual Meeting, August 4, 2013, Minneapolis, Minnesota
- Patino, L., E. Rom and S. Weiler. 2011. An Analysis of NSF Geosciences Research Experience for Undergraduate Site Programs from 2009 through 2011. Poster, AGU Fall Meeting, December 5-9, 2011, San Francisco, CA.

- Weiler, C.S. 2010. Facilitator, break-out sessions on interdisciplinary training, Human and Social Dynamics 2010 Grantees Conference, September 27-28, Arlington, VA.
- Karsten, J.L., L. Patino, E.L. Rom and C.S. Weiler. 2010. Advancing Earth system science literacy and preparing the future geoscience workforce through strategic investments at the National Science Foundation. AGU Fall Meeting, December 12-17, 2010, San Francisco, CA
- Weiler, C.S. 2010. Presenter and Panelist, Workshop on Proposal Planning for Early Career Scientists. AGU Fall Meeting, December 12-17, 2010, San Francisco, CA.
- Weiler, C.S. 2010. The NSF Geosciences Directorate. Presentation at NSF Day, Fort Valley State University, Macon, Georgia. February 24, 2010.
- Weiler, C.S. 2009. Presenter and Panelist, Workshop on Proposal Planning for Early Career Scientists. AGU Fall Meeting, December 14-18, 2009, San Francisco, CA.
- Sanchez, S., L. Patino, E. Rom and S. Weiler. 2009. An analysis of NSF Geosciences 2009 Research Experience for Undergraduate Site Programs. Poster presentation, AGU Fall Meeting, December 14-18, 2009, San Francisco, CA.
- Marlon, J.R., R. B. Mitchell and C.S. Weiler. 2009. Trends in doctoral research on climate change and the need for interdisciplinary. Poster, AGU Fall Meeting, December 14-18, 2009, San Francisco, CA.
- Drobot, S.D. and C.S. Weiler 2008. Training the new generation of polar researchers. AGU fall meeting, December 17, San Francisco, CA. Poster.
- Weiler, C.S. and S.D. Drobot. 2008. Promoting graduate and post-graduate collaboration during the IPY, University of the Arctic Council Meeting, June 2-5, 2008, Edmonton, AB Canada.
- Weiler, C.S. 2008. DISCCRS: Preparing early career scientists to collaboratively explore interdisciplinary research frontiers. National Science Foundation, public presentation, September 5, 2008.
- Weiler, C.S. 2008. Building successful collaborations: Lessons learned while preparing graduates for the study of complex environmental systems. National Science Foundation, public presentation, April 11, 2008.
- Weiler, C.S. 2007. Earth System Science: The Ultimate Team Sport. Acceptance Speech, ASLO Distinguished Service Award. Plenary session, ASLO Aquatic Sciences Meeting, February 5 – 9, 2007, Santa Fe, New Mexico.
- Weiler, C.S. 2006: What Recent Ph.D.s Want: Strategies for Building Successful Interdisciplinary Careers. <http://www.disccrs.org/career.html/weiler.ppt>. AGU/ASLO/TOS Ocean Sciences Meeting, February 20-24, 2006, Honolulu, HI. Also co-organized the session in which this oral presentation was given. Two oral sessions and one poster session were allotted to this topic.
- Weiler, C.S. 2005. The Right Stuff: Preparing new professionals to meet the challenges of a changing world. Poster, NSF Biocomplexity PI Meeting, March 21-23, 2005, Arlington, VA. Also on the Steering Committee to develop the agenda and invited speakers for this meeting.
- Weiler, C.S. 2005. DIALOG: An Initiative to Foster Interdisciplinary Understanding and Peer Networking among Recent Ph.D. Graduates. ASLO Aquatic Sciences Meeting, February 21 – 25, 2005, Salt Lake City, UT.
- Shipe, R., M. Graham and C.S. Weiler, 2004. Workshop: Landing the Right Job: Applications to Interviews. ASLO/TOS Ocean Research Conference, Feb. 15-20, 2004, Honolulu, HI.
- Graham, M. and C.S. Weiler, 2004. Workshop: Proposal Development Strategies for New PI's. ASLO/TOS Ocean Research Conference, Feb. 15-20, 2004, Honolulu, HI.
- Weiler, C.S. 2004. A Capstone Program to Foster Interdisciplinary Understanding and Peer Networking among Recent PhD Recipients. Poster, joint ASLO/TOS Ocean Research Meeting. Honolulu, HI Jan. 2004.
- Weiler, C.S. and Evens, T.J. (invited) 2003. DIALOG: Dissertations Initiative for the Advancement of Limnology and Oceanography. Phycological Society of America (PSA) Annual Meeting, June 14-19, 2003, Salishan, OR.
- Weiler, C.S. 2003. Biocomplexity LWI/CC Workshop: Designing a Capstone Experience for Recent Ph.D. Recipients Embarking on Interdisciplinary Careers. Biocomplexity in the Environment PI Workshop, September 14-17, 2003, Washington, D.C.
- Weiler, C.S. 2002. Biocomplexity at the Land-Water Interface: Enhancing Interdisciplinary Understanding and Peer Networking among Recent Ph.D. Graduates. Biocomplexity in the Environment PI Workshop, April 13-16, 2002, Washington, D.C.

- Weiler, C.S. 2001. Minorities in the Aquatic Sciences: Establishing a Database and Electronic Resources. American Geophysical Union Spring Meeting, May 29-June 2, 2001, Washington, D.C.
- Weiler, C.S. 2001. DIALOG: An Interdisciplinary Program for Recent Ph.D. Recipients. ASLO Aquatic Sciences Meeting, Feb. 12-16, 2001, Albuquerque, NM.
- Weiler, C.S. 1995. Transition from Graduate School to the Workforce: Case Study of 40 Recent Ph.D. Recipients. Poster, NSF Conference on Women in Science, December 13 - 15, 1995, Washington, D.C.
- Weiler, C.S., 1993. UV-B effects on aquatic organisms and ecosystems: A summary of recommendations from a selection of UV workshop reports. Workshop, "The impact of UV-B radiation on pelagic freshwater ecosystems", September 13-18, 1993, Lake Lacawac, PA.
- Weiler, C.S. 1992 (Invited) United States of America's Antarctic Program: UV-B Assessment Efforts. United Nations Environmental Program's Scientific Committee on Problems of the Environment (SCOPE) workshop on "Environmental Effects of Ozone Depletion on Biological Systems", Budapest, Hungary, Feb. 17-22, 1992.
- Weiler, C.S., 1991 (Invited) Effects of Ozone-Related Increases in UV-B Radiation on Marine Phytoplankton", Testimony, U.S. Senate Committee on Commerce, Science and Transportation hearing on "Global Change Research: Ozone Depletion and its Impacts.", Nov. 15, 1991, Washington, DC.
- Weiler, C.S., 1991 (Invited) United States Antarctic Program's UV-B Measurement Program. National Research Initiative Competitive Grants Program, U.S. Department of Agriculture and Natural Resources Ecology Laboratory Workshop. Denver, CO Jan. 22-25, 1991.
- Lucas, T.B., C.R. Booth, D.S. Neuschuler, J. Yeh, P. Penhale and S. Weiler, 1990. The National Science Foundation's Ultraviolet Radiation Monitoring Network. Poster, Joint AGU/ASLO Ocean Sciences meeting, New Orleans, LA.
- Voytek, M.A. and C.S. Weiler, 1988. Addressing the biological effects of decreased ozone on the Antarctic environment. Poster, Joint AGU/ASLO meeting, San Francisco, CA.
- Weiler, C.S., P.A. Penhale, G.W. Harris and C.R. Booth, 1988. The United States Antarctic Program's monitoring system for ultraviolet radiation. Poster, Fifth Annual Scientific Committee on Antarctic Research (SCAR) Symposium on Antarctic Biology, Hobart, Tasmania, Australia.
- Weiler, C.S., 1984 (Invited). Seasonal changes in growth rates and the timing of division for Oslofjord populations of *Ceratium furca*. Fall meeting, ASLO, San Francisco, CA.
- Weiler, C.S., 1984. Phased cell division of *Ceratium furca* in the Oslofjord, Norway: What sets the clock? Joint AGU/ASLO meeting, New Orleans, LA.
- Weiler, C.S., 1980 (invited). Selective pressures and the evolution of form in the dinoflagellate genus *Ceratium*. NATO advanced studies Inst. Summer school on phytoplankton ecology, Lipari, Italy.
- Weiler, C.S., 1978. The timing and duration of division stages in phased cultures of the dinoflagellate genus *Ceratium*: Applications to specific-growth-rate measurements in the ocean. 41st annual meeting, American Society of Limnology and Oceanography, Victoria, B.C., Canada.
- Weiler, C.S., 1977. Timing of nuclear and cellular division in phased natural populations of the dinoflagellate genus *Ceratium*. IXth International seaweed symposium, Santa Barbara, CA.
- Weiler, C.S., 1977. In situ growth rates and species composition for the dinoflagellate genus *Ceratium* in the North Pacific Ocean and Santa Monica Bay, California. Annual meeting, Pacific section AAAS, San Francisco, CA.

Early Career Leadership SYMPOSIA organized by C.S. Weiler

The DIALOG and DISCCRS Symposia were designed to foster international, interdisciplinary research and collegial networks among recent Ph.D. graduates (6 months – 3 years post Ph.D.) DIALOG brought together aquatic scientists, while DISCCRS brings together researchers interested in any aspect of climate change research across the physical, biological/ecological and social sciences, mathematics and engineering. Participation in the symposia is through a competitive application process that selects for interdisciplinary interests and research/leadership potential. The typical success rate is around 20%. The 648 symposium alums include citizens of 49 countries who currently reside in 43 countries. The PhD registry includes around 6,700 Ph.D. dissertation abstracts representing over 600 different Ph.D. granting institutions in 88 countries. A public webpage and weekly electronic newsletter disseminate information to a global audience.

- NGPR – L** **New Generation of Polar Researchers Leadership Symposium**
 May 2-9 2015, USC Wrigley-Boone Center for Environmental Leadership, CA with Sheldon D. Drobot
- DISCCRS VIII** **Dissertations Initiative for the Advancement of Climate Change Research**
 October 12-19, 2013, La Foret Conference Center, CO with Ronald B. Mitchell
- DISCCRS VII** **Dissertations Initiative for the Advancement of Climate Change Research**
 October 13-20, 2012, La Foret Conference Center, CO with Ronald B. Mitchell
- DISCCRS VI** **Dissertations Initiative for the Advancement of Climate Change Research**
 October 22-29, 2011. La Foret Conference Center, CO with Ronald B. Mitchell
http://disccrs.org/files/DISCCRS_VI_Symposium_Report.pdf
- DISCCRS V** **Dissertations Initiative for the Advancement of Climate Change Research**
 March 13-20, 2009. Saguaro Lake Ranch, AZ with Ronald B. Mitchell
http://disccrs.org/files/DISCCRS_V_Symposium_Report.pdf
- DISCCRS IV** **Dissertations Initiative for the Advancement of Climate Change Research**
 November 2-9, 2008. Saguaro Lake Ranch, AZ with Ronald B. Mitchell
http://disccrs.org/files/DISCCRS_IV_Symposium_Report.pdf
- IPY NGPR** **IPY New Generation of Polar Researchers**
 May 4-12, 2008, La Foret Conference Ce., CO with Sheldon R. Drobot
<http://apecs.is/images/stories/ngpr/documents/ipy-ngpr-report.pdf> Final Report
<http://www.apecs.is/apecs-meetings-a-events/past-events/ngpr-2008> Webpage
- DISCCRS III** **Dissertations Initiative for the Advancement of Climate Change Research**
 September 10-17, 2007. Kilauea Military Camp, HI with Ronald B. Mitchell
http://disccrs.org/files/DISCCRS_III_Symposium_Report.pdf
- DISCCRS II** **Dissertations Initiative for the Advancement of Climate Change Research**
 March 26-April 2, 2003. Asilomar Conference Center, CA with Ronald B. Mitchell
http://disccrs.org/files/DISCCRS_II_Symposium_Report.pdf
- DISCCRS I** **Dissertations Initiative for the Advancement of Climate Change Research**
 March 10-15, 2003. Copamarina Resort, Guanica, Puerto Rico
http://disccrs.org/files/DISCCRS_I_Symposium_Article.pdf
- DIALOG VII** **Dissertations Initiative for the Advancement of Limnology and Oceanography**
 December 3-10, 2005. Dauphin Island Sea Lab with Monty Graham
- DIALOG VI** **Dissertations Initiative for the Advancement of Limnology and Oceanography**
 October 30-November 6, 2004. Dauphin Island Sea Lab with Monty Graham
- DIALOG V** **Dissertations Initiative for the Advancement of Limnology and Oceanography**
 October 19-25, 2003. Bermuda Biological Station for Research
- Biocomplexity Workshop: Designing a Capstone Experience for Recent PhDs Embarking on Interdisciplinary Careers** October 3-6, 2003. Wrigley Marine Science Center, Catalina Island, CA with R. B. Mitchell and A. F. Michaels <http://disccrs.org/files/biocomplexity/index.html>
- DIACES** **Dissertations Initiative for the Advancement of Coastal and Estuarine Sciences**, October 28-November 4, 2002. Copamarina Resort, Guanica, Puerto Rico
- DIALOG IV** **Dissertations Initiative for the Advancement of Limnology and Oceanography**
 October 14-19, 2001. Bermuda Biological Station for Research with Maartin Boersma
- DIALOG III** **Dissertations Initiative for the Advancement of Limnology and Oceanography**
 October 16-23, 1999. Bermuda Biological Station for Research with Maartin Boersma
- DIALOG II** **Dissertations Initiative for the Advancement of Limnology and Oceanography**
 October 12-17, 1997. Bermuda Biological Station for Research with Maartin Boersma
- DIALOG I** **Dissertations Initiative for the Advancement of Limnology and Oceanography**
 December 13-17, 1994. Bermuda Biological Station for Research

Papers and web resources resulting directly from Symposia organized by Weiler

*These publications are available from the DISCCRS webpage; see <http://disccrs.org/publications>
 Papers have resulted from the symposia organized through my grants, and I choose not to be author so that
 the early career scholars I mentor can receive full credit.*

Kapnick, S.b., T.L. Delworth, M. Ashfaq, S. Malyshev and P.C.D. Milly, 2014. Snowfall less sensitive to warming in Karakoram than in Himalayas due to a unique seasonal cycle. *Nature Geosciences* doi:10.1038/ngeo2269. Preview at <http://www.nature.com/ngeo/journal/vaop/ncurrent/full/ngeo2269.html>

Cusack, D.F., J. Axsen, R. Shwom, L. Hartzell-Nichols, S. White, and K.R.M. Mackey. 2014. An interdisciplinary assessment of climate engineering strategies. *Frontiers in Ecology and the Environment* 12:280-287.

Krakauer, N.Y. 2014. Economic Growth Assumptions in Climate and Energy Policy. *Sustainability* 6(3):1448-1461.

Cusak, D.F. 2014. Sorry, Polar Bears: There's no quick fix for those melting glaciers. *Zócalo Public Square*.

Livneh, B., E. Marino and J.E. Ten Hoeve. 2014. Emerging Ideas and Interdisciplinary Perspectives on Climate Change. *Eos* 95(7):65. http://disccrs.org/files/2014_02_18_DISCCRS_VIII_in_Eos.pdf

- Michel, L. A., D. J. Peppe, J. A. Lutz, S. G. Driese, H. M. Dunsworth, W. E. H. Harcourt-Smith, W. H. Horner, T. Lehmann, S. Nightingale, and K. P. McNulty 2014. Remnants of an ancient forest provide ecological context for Early Miocene fossil apes. *Nature Communications* 5:3236.
- Phelan, L., H. Jones and J.R. Marlon. 2013. Bringing New Ph.D.s Together for Interdisciplinary Climate Change Research. *Eos* 94(5):57. http://discrcs.org/files/2013_01_29_DISCCRS_VII_in_Eos.pdf
- Mackey, K. 2012. Advising on the edge: Interdisciplinary mentorship must evolve to keep pace with innovative programmes, argues Katherine Mackey. *Nature* 490:301.
- Fischer, E.V., K.R.M. Mackay, D.F. Cusack, L.R.G. DeSantis, L. Hartzell-Nichols, J.A. Lutz, J. Melbourne-Thomas, R. Meyer, D.A. Riveros-Iregui, C.J.B. Sorte, J.R. Taylor and S.A. White. 2012. Is Pre-Tenure Interdisciplinary Research a Career Risk? *Eos* 93(31):311-312.
- Phelan, L. 2012. Bringing new PhDs together for supradisciplinary climate change research. *Tom Farrell Institute for the Environment Newsletter* 26:2, University of Newcastle, Australia.
- Ponette-González, A.G. and J.E. Byrnes. 2011. Sustainable science? Reducing the carbon impact of scientific mga-meetings. *Ethnobiology Letters* 2:65-71.
- Nicholas, K. and W. Gordon. 2011. A quick guide to writing a solid peer review. *Eos* 92(28):233.
- LeDee, O.I., R.T. Barnes, R. Emanuel, B. Fisher, S.K. Henkel and J.R. Marlon. 2011. Training a new scientist to meet the challenges of a changing environment. *Eos* 92(16):135.
- Marlon, J.R., G. Patenaude and R. Barnes. 2010. Catalyzing interdisciplinary research on climate change. *Eos* 91(34):299.
- Mignone, B.K., M.D. Hurteau, Y. Chen and B. Sohngen, 2009. Carbon offsets, reversal risk and US climate policy. *Carbon Balance and Management* 4:3. 6 pp. DOI 10.1186/1750-0680-4-3. <http://cbmjournal.com/content/4/1/3>.
- Harrison, J.A., J.H. Cohen, E. Hinchey, A. Moerke and P. von Dassow, 2009. Developing and implementing a successful outreach program. *Eos* 90(38):333-334.
- Behrendt, J. 2008. President's Letter. *The Polar Times* 3(13):2.
- Reyns, N. B., S. Langenheder and J. Lennon, 2007. Specialization Versus Diversification: A Trade-Off for Young Scientists. *Eos* 88(35):343-344.
- Menden-Deuer, S. and N.J. Grigg. 2006. Balancing priorities in the academic workplace. http://discrcs.org/files/balancing_priorities.pdf
- Porinchu, D. and Drobot, S. 2004. Symposium report examines climate change Ph.D. programs. *AAG Newsletter* 39:7.
- Wilson, K. and S.E. Hampton, 2004. Ecology teaching tips for first-year professors. *Bulletin of the Ecological Society of America* 85(2):April, 2004.
- Weiler, C. S. 2003. Talking Tips: Resources for preparing scientific presentations recommended by DIALOG and DISCCRS program participants.
- Talley, D.M., E.W. North, A.R. Juhl, D.A. Timothy, D. Conde, J.F.C. deBrouwer, C.A. Brown, L.M. Campbell, T. Garstecki, C.J. Hall, F.J.R. Meysman, D.M. Nemerson, P.W. Souza Filho and R.J. Wood. 2003. Research challenges at the land/sea interface. *Estuarine, Coastal and Shelf Science* 58:699-702.
- Graham, W.M. 2003. Navigating promotion and tenure: Strategies for the newly employed. *L&O Bulletin* 12(4):85-86.
- Friddell, J. and T. Blenchner. 2003. Advancing ideas, methods in interdisciplinary climate change research for new Ph.D.s. *Eos* 84(33): 314, 320.
- Drobot, S.D., D. Porinchu, et al. 2003. The Ideal Climate Change Ph.D. Program. <http://discrcs.org/files/biocomplexity/BiocomplexityWorkshopReport.pdf>
- Chiang, J.C.H., G.A. McKinley and K.M. Arzayus. 2003. Mentoring: Summary report of a Working Group from the DISCCRS I Symposium, 2003.
- Meysman, F.J.R., L.M. Campbell and L.C. Chasar. 2002. Harry Potter and the Ecologist's Thesaurus: DIACES 2002. *L&O Bulletin* 13(4):84-86.
- Conde, D., A. Ferrara, S. Gerken, M. Julius, J. Martin, C. Natunewicz, D. Nemerson, E. Parnell, J. Warren and D. Zawada. 2002. DIACES 2002 Job Search Strategies and Tips.
- Baker, A., J. Benoit, R. Burks, M. Castillo, R. Corbett, D. Hoskins, J. Klug, R. Shipe and S. Wilhelm. 2001. Academic Job Hunting Tips and Advice: Results of DIALOG IV Symposium Working Group Discussion.