

## DANN M. SKLAREW

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### GOAL

To advance societal sustainability, ecological stewardship and human-nature symbioses through social learning, social innovation, adaptive management and sage use of shared natural resources and ecosystem services.

### EDUCATION

- 2000      **Ph.D.**, Environmental Biology and Public Policy, George Mason University [Mason]  
**Dissertation:** *Tidal Freshwater Potomac River Eutrophication: Patterns and Relations to Climate Change, Nutrient Management, and In Situ Factors* (Advisor: R. Christian Jones)
- 1993      **M.A.**, Cognitive and Neural Systems, Boston University
- 1991      **B.A., cum laude**, Biological Basis of Behavior, University of Pennsylvania

### ACADEMIC AND PROFESSIONAL EXPERIENCE

multimedia version at <https://www.linkedin.com/in/drddann>

- 2019 – now      **Professor**, Environmental Science and Policy [ESP], Mason
- 2008 – 2019      **Associate Professor**, ESP, Mason

Mason recognized Dr. Sklarew's pedagogical leadership, curricular innovation and service with its prestigious Teaching Excellence Award, Mentoring Excellence Award, Career Connection Faculty of the Year Award and Jack Wood Award for Town Gown Relations. Course subjects: applied ecology, aquatic ecology, social entrepreneurship, business and sustainability, water resources management and human rights, Asian environment and development, plus seminars from “In Search of Symbiosis” to “Sustainability Science” to “Climate Action Plans and Energy Strategies.” Students and university leaders lauded his constructivist re-design of a graduate ecology course for classroom, distance education and hybrid formats as a model for other subjects. His novel, award-winning “Sustainability Planning for Communities” charrette laid the foundation for Mason’s first Strategic Plan for Sustainability. He created the Accelerated Master’s program for Environmental Science and Policy and an undergraduate major concentration for Business and Sustainability. He designed and delivers the undergraduate capstone “Sustainability in Action” (#evpp480) course around an action research core, enhanced by over 14,500 hours of service learning since 2011. His “Managing Our Planet” (#ManagingOurPlanet) graduate seminar series incorporated monthly public panel discussions co-organized with the Woodrow Wilson International Center in Washington, DC.

Dr. Sklarew has served as an academic advisor for 180+ Environmental Science majors, chaired 24 graduate committees (20 graduated), served on 24 (20 graduated), and supervised 33 graduate and undergraduate studies and 1 graduate internship. Most advisees pursued degrees in Environmental Science and Policy, Sustainability Studies or Social Entrepreneurship.

Dr. Sklarew's research focuses on learning to advance ecological stewardship, sustainability science, and sustainable development at campus, enterprise, municipal, regional, national and international scales. Dr. Sklarew has served as Principal Investigator for >\$900 thousand in externally sponsored contracts and grants, co-PI for two inter-collegiate (\$52,000) grants, and lead for >\$50,000 in Mason-supported projects.

2013 – now      **Affiliate Faculty**, Jimmy and Rosalynn Carter School for Peace and Conflict Resolution, Mason

Dr. Sklarew has served as a Benjamin Franklin Transatlantic Fellows Initiative presenter, PhD committee member, and guest lecturer on environmental collaboration and ecological dispute resolution issues.

2018 – now      **Faculty Fellow**, Potomac Environmental Research and Education Center [PEREC], Mason

Dr. Sklarew has served as co-PI and mentor for research related to the ecology of (<5mm) microplastic pollution in the tidal Potomac River and to ecological analysis of rooftop rain gardens' impact in this watershed. He is developing research examining the relationship between summer water quality and dolphin migration in the Potomac estuary. His professional service includes having hosted the 12th Trash-free Potomac Watershed Summit, the first Chesapeake Bay Program [STAC] microplastics technical workshop and the first Mid-Atlantic Marine Debris Summit. He also leads Mason students and colleagues on kayak- and canoe-based trash cleanups three times per year along the Potomac's tidal Occoquan River tributary.

2020 – now      **Core Faculty**, Center for Resilient and Sustainable Communities (C-RASC), Mason

2020 – now      **Affiliated Faculty**, Institute for Sustainable Earth and Business for a Better World Center, Mason

2015 – 2021      **Coordinator of Sustainability Initiatives**, Office of the Provost, Mason

Dr. Sklarew created and advanced university-wide sustainability initiatives, such as green leaf designation for academic programs and courses, the inter-collegiate Sustainability Studies Academic Council and the Mason Core Engagement Series (ENCORE) for Sustainability. He advised the Provost and collaborated with Mason's Office of Sustainability to provide academic leadership for using the campus as a “learning lab” for students’ action research and service learning, for the Patriot Green Fund and Storm Sustainability Scholarship, for co-curricular events like “Green Jobs and Internships Week,” and for sustainability-related reporting (AASHE STARS, UN Global Compact, etc.). Students as nascent social entrepreneurs received his mentorship through Mason’s semester-long Makers’ Seminar series. He also advised Sodexo/Mason Dining on sustainable food systems opportunities and served on hiring committees for several Office of Sustainability staff. Lastly, Dr. Sklarew represented Mason for various sustainability activities and community and professional events, e.g., chair for annual Arlington Green Patriot Awards and as Mason’s host for the 2019 Mid-Atlantic Marine Debris Summit.

2008 – 2018      **Associate Director**, PEREC, Mason

Dr. Sklarew served as Mason's lead in the development, delivery and assessment of two award-winning, NOAA-supported watershed stewardship education programs. Through these, more than 40,000 secondary school students participated actively in outdoor “Meaningful Watershed Educational Experiences” (MWEs) across Fairfax and Prince William counties, Virginia. Dr. Sklarew provided customized stewardship training for K-12 students and teachers, led the 8-nation Global Problem Solving Consortium's first 2-week workshop on “Water Management and Sustainability” and contributed to its second workshop on "Food Security" in Moscow. RU

Dr. Sklarew organized the first Tidal Potomac River Ecosystem Health and Recovery Research Symposium, in addition to hosting various regional environmental stewardship events, e.g., the first NoVA Outside Green Schools Expo and the 2012 Earth Force Youth Summit for Arlington and Alexandria counties, Virginia. He played recurrent advisory, organizational and/or presenting roles for other Mason-based learning events for NoVA Outside and Our Task as well as Mason's Social Innovation Program and the Washington Youth Summit on the Environment. For Arlington County, Virginia, Dr. Sklarew created Operation Rain Barrel (engaging all public schools in painting rain barrels that were auctioned to raise funds for students' college scholarships) as well as the Arlington Green Patriot Award (annually recognizing a business, a citizen and a school contributing to sustainability in the county). He also served as co-PI for the development of a student-built experimental rooftop rain garden atop a parking deck at Mason's Fairfax campus.

2012 – 2018 **Faculty**, Smithsonian Mason School for Conservation [SMSC], Mason  
2009 – 2012 **Faculty Member**, Mason Center for Conservation Studies, Mason

Dr. Sklarew served as a curriculum advisor, panelist and informal recruiter.

2016 – 2017 **Business and Sustainability Training Expert**, International Research & Exchanges Board [IREX]

Dr. Sklarew developed and delivered both asynchronous and synchronous e-learning modules on business, sustainability and social entrepreneurship to university business students in Russia and Ukraine. RUUA

2011, 2014-15 **Environmental Science Consultant**, Virginia Initiative for Sci. Teaching and Achievement [VISTA]

Dr. Sklarew served as an environmental science trainer and subject matter expert for the Virginia Initiative for Science Teaching and Achievement over three summers. As part of VISTA's 2011, 2014 and 2015 Elementary Science Institutes, his instruction and technical assistance aided over 60 Virginia elementary school teachers to understand the fundamentals of aquatic ecology and sustainability, then develop pertinent problem-based learning (PBL) curricula for their own classrooms and for a Mason-based summer science camp. Dr. Sklarew also led field research days on the tidal Potomac River and Burke Lake for participating teachers, served as panelist constructively probing campers' solutions for watershed pollution and invasive species problems, and provided scientific guidance, resources and feedback for teachers' academic year PBL lesson plans.

Summer 2015 **Interim Director**, Center for Social Entrepreneurship [CSE] and Social Entrepreneurship [SE] concentration of the Masters of Interdisciplinary Studies [MAIS] degree program, Mason

Dr. Sklarew developed and directed initiatives of Mason's Center for Social Entrepreneurship (CSE) and supervised the Social Entrepreneurship (SE) concentration of Mason's Master of Arts in Interdisciplinary Studies (MAIS). He managed SE-advancing partnerships, including Mason's participation in the Ashoka U. network and Social Enterprise Alliance, as well as the Center's assistance to practicing social innovators. Dr. Sklarew also developed the curriculum for an experiential "Social Innovation in Action Institute" to foster SE skills among American students and international visitors. Contributing to the United States' 100,000 Strong in the Americas initiative, he delivered CSE's first binational "Changemaker Matchmaker" event with 9 SE practitioners and a score of students from Mason and Monterrey Tec, Mexico. He then represented Mason and the Center during a 10-event speaking tour across six academic, economic and cultural venues in Matamoros and Monterrey, Mexico. (Highlights from this US Consulate-sponsored tour were covered online

by Mexico's national El Norte newspaper and other news media.) Finally, he created, and recruited students from two graduate programs to participate in a new "Social Innovation Practicum for Sustainability" course he delivered the following fall semester.

Winter 2015      **Environmental Science Subject Matter Expert**, Learnwise LLC

Dr. Sklarew provided targeted pedagogical insights and subject matter expertise in reviewing Environmental Science educational modules under development for a major e-learning organization.

Fall 2013      **Educational Work Product Developer**, "The Great Courses" (d.b.a. Teaching Company, LLC)

Dr. Sklarew produced a video e-learning product on sustainable living for the Great Courses.

July 2012      **Professor**, 2012 International Summer Semester, Sungkyunkwan University, South Korea KR

Dr. Sklarew served as a professor for 2012 International Summer Semester's "Environmental Stewardship and the Role of the Corporation" course, incorporating exemplary South Korean enterprises as case studies into the interactive global curriculum for students from 4 continents. The course was featured in the Dong-a Ilbo national newspaper.

2009 – 2012      **Affiliated Faculty**, Environmental Science and Technology Center,

Dr. Sklarew prepared and delivered multi-hour water management training to visiting Chinese officials.

2010 – 2012      **Fellow of Sustainability Studies**, Office of the Provost, Mason

Dr. Sklarew promoted university-wide strategic research, education and service for a more sustainable campus, community and world. He authored the Provost-endorsed "Vision for Sustainability in Academic Endeavors at Mason;" created Mason's "Green Leaf" designation for scores of sustainability-related courses and over a dozen academic programs in Mason's course catalog; conceived and co-developed the Arlington Green Patriot Award and Operation Rain Barrel; and advised and coordinated pertinent extra-curricular programs with Mason's Office of Sustainability, other Mason units and partner organizations. His advocacy resulted in Mason joining the Rio +20 Higher Education Sustainability Initiative, UN Global Compact and the AASHE STARS sustainability reporting framework. He was the faculty co-author for Mason's first Greenhouse Gas Inventory, first Climate Action Plan, and first STARS sustainability report, for which the university was among the first 40 anywhere to receive STARS Silver designation. He also assembled the Sustainability Studies Academic Council of faculty, comprised of representatives from Mason's top tier academic units. Dr. Sklarew's contributions were recognized by Mason's 2010 Sustainability Hero Award.

2000 – 2008      **Director and Chief Technical Advisor, Global Environment Facility [GEF]  
International Waters Learning Exchange and Resource Network [IW:LEARN]  
at Tides Center until 2003, then United Nations Office for Project Services [UNOPS] UN**

Dr. Sklarew managed a \$1.94 million grant from UNDP/GEF to implement the IW:LEARN pilot project. With his oversight, this pilot project surveyed needs of stakeholders from roughly 100 GEF International Waters (IW) projects, then implemented a series of distance learning systems, facilitated knowledge sharing activities and multi-week, multi-media training workshops to meet those needs. Through his leadership, IW:LEARN also provided ad hoc technical assistance and joint R&D services to develop specific Information Management Systems (IMS) and Information and Communication Technology (ICT) tools for improving Integrated Water Resource Management (IWRM) and Integrated Coastal and Marine Management (ICMM) across participating countries. To realize this project, Dr. Sklarew secured cost-sharing support valued at over one million dollars and managed collaborative endeavors with various international agencies and NGOs. An independent evaluation for UNDP/GEF concluded the project was successful.

Dr. Sklarew then led IW:LEARN as a Full-Sized Project (FSP) of the Global Environment Facility (GEF). IW:LEARN strengthens International Waters Management (IWM) via information sharing and learning among stakeholders world-wide. Dr. Sklarew authored the 4-year, \$6.28 million FSP proposal and his team secured over \$4 million in cost-share commitments. He managed approximately 20 activities and sub-activities for increased IWM transparency, peer-to-peer learning and training, GEF International Waters Conferences, national and regional Integrated Water Resource Management (IWRM) and global outreach regarding lessons

of the GEF's portfolio of transboundary aquifer, river, lake and Large Marine Ecosystem (LME) projects. Accomplishments included bilingual workshops on public participation and information management for IWM among former Soviet states, Latin American and Caribbean states, and African states; another workshop on LME governance and socioeconomics with a globally disseminated handbook, the 3rd and 4th GEF International Waters Conferences, and a video documentary on LME management premiering before over 100 nations' environmental ministry representatives. Independent external evaluation deemed the project "successful," having "led to a number of products and a series of services which are highly valued." In addition to the GEF, partners included the World Bank (IBRD), the United Nations Development Programme (UNDP), the United Nations Environment Programme (UNEP), the United Nations Economic Commission for Europe (UNECE), the United Nations Educational Scientific and Cultural Organization (UNESCO), the World Conservation Union (IUCN), Environmental Law Institute (ELI), the Global Environment and Technology Foundation (GETF), Japan Water Forum (JWF), as well as five national governments, several universities, and various national and multilateral agencies and non-governmental organizations (NGOs).

2000 – 2003 **Sr. Facilitator and Environmental Scientist**, Marasco Newton Group (now General Dynamics IT)

Dr. Sklarew contributed to effective environmental governance through the Marasco Newton Group, Ltd., then the MNG Center for Environmental Strategies and Technology at SRA International (now a General Dynamics IT unit). He provided technical guidance, facilitation, and organizational development support to the United States Environmental Protection Agency (USEPA) Office of Environmental Information (OEI) and Office of Research and Development (ORD). For OEI, he was part of the technical team contributing to development of a GIS-based on-line integrated information management system (IIMS) for the general public, while assisting in long-term planning for its environmental information integration initiative (I3). For the IW:LEARN project of the Tides Center, he led development of a series of workshops to advance distance learning and knowledge sharing among GEF-sponsored IW projects. Through USEPA's Consensus and Dispute Resolution Program (CDR), Dr. Sklarew also supervised teams for over \$0.4 million in Alternative Dispute Resolution (ADR) task orders related to community-based urban air toxics initiatives for the Office of Air and Radiation (OAR) as well as to multimedia mitigation (MMM) of radon for the Office of Policy, Planning and Evaluation (OPPE) and the Office of Ground Water and Drinking Water (OGDW) within the Office of Water (OW). With MNG's Jim Whittaker, Dr. Sklarew also co-created the Arlington Chamber of Commerce's Green ABBIE Award to annually recognize local businesses with exemplary environmental characteristics.

1998 – 2000 **Environmental Information Systems Analyst**, SAIC (now Leidos)

Dr. Sklarew developed innovative information systems and process solutions to advance regional, state, and national environmental management initiatives. His responsibilities included facilitating community involvement, software development and training for an Access-based basin-wide Best Management Practices (BMP) tracking system and separate metadata entry tool for the Chesapeake Bay watershed; assessing stakeholder needs, then implementing a prototype watershed information management system (WIMS) for Cook Inlet, Alaska; economic analysis and evaluation of municipalities' costs in implementing federal storm water protection regulations; designing and developing various web-based environmental information management systems (EIMS) related to state and federal waste, wastewater, and environmental management programs; characterizing and evaluating stochastic and cellular automata models of land-use change; developing a functional taxonomy for environmental restoration projects; preparing ArcView GIS maps of effects of land-use change on watershed nutrient loading; statistically-based national geographic targeting of animal feedlot operations (AFOs) by county and watershed; characterizing pollution prevention (P2) approaches to aircraft washing and nonpoint source pollution (NPS); coordination of project teams of up to ten people; and

identifying and pursuing business development opportunities for water resources assessment, protection, and restoration. Clients included the Chesapeake Research Consortium (CRC); the National Aeronautics and Space Administration (NASA) Environmental Management Division (Code JE); USEPA Chesapeake Bay Program (CBP), ORD Office of Solid Waste (OSW), Office of Wastewater Management (OWM), and Region 10; and the states of Alaska and Texas.

1995 – 1999    **Researcher**, Department of Biology, Mason

Dann Sklarew served as a computing specialist for life sciences, managing the Biology Department's computer labs, software and Web site. His research monitored and analyzed water quality in the tidal Potomac River via boat-based fieldwork and lab-based research. He then integrated this information with historical water quality, discharge and climatic data in order to determine the relative effects of nutrient pollution management and climate variability on eutrophication. He also assembled and managed an on-line data warehouse for Potomac research. Finally, he investigated state of the art software and on-line resources to facilitate undergraduate learning about biology and life sciences.

1994 – 1998    **Founder and Director**, Water Brothers International

Dann Sklarew worked with regional, national, and international agencies and organizations to apply collaboration and Internet-based electronic tools to advance their water resource management goals. He directed development of original web sites for the Anacostia Watershed Restoration Committee (AWRC), the Interstate Commission on the Potomac River Basin (ICPRB), and numerous other watershed organizations. To do so, he managed a nine-member World Wide Web (WWW) site development team of college students and led numerous skills workshops. He facilitated environmental and public policy stakeholder meetings and advised French agencies on coastal zone management issues. He was also instrumental in recruiting for an international project protecting transboundary water systems. Clients included the Alliance for the Chesapeake Bay (ACB), la Communauté Urbaine de Brest (CUB), USEPA/CBP, the French Institute of Research and Exploitation of the Sea (IFREMER), the Keystone Center, the Metropolitan Washington Council of Governments (MWCOCG), and UNDP/GEF.

1993 – 1997    **Adjunct Instructor**, Department of Biology and PAGE, **Researcher and Consultant**, Mason

Dann Sklarew designed and taught two semesters of a college course on ecology, technology, and decision-making – pioneering facultative use of service learning in general education. He also lectured for three semesters of a team-taught course on computers in contemporary society, and led various lab sections in biology, ecology, computer skills, and graduate-level environmental analysis and modeling.

1997            **National Network for Environmental Management Studies Fellow**, US EPA

As a NNEMS fellow, Dann Sklarew identified and characterized over 200 tools for community watershed management, and designed a functional interface for an on-line “watershed toolbox” for the Office of Wetlands, Oceans, and Watersheds (OWOW) Assessment and Watershed Protection Division (AWPD).

Summer 1994    **Graduate Research Fellow**, Smithsonian Environmental Research Center

At the Smithsonian Environmental Research Center (SERC), Dann Sklarew integrated economic and ecological data to develop the first Nitrogen budget for the Rhode River, MD. In addition to published statistics and GIS sources, he obtained anecdotal data from interviews with local sources, such as farmers, conservation and extension workers, and community veterinarians.



1991 – 1993 **Research Assistant**, Center for Adaptive Systems, Boston University

Dann Sklarew developed a supervised-learning neural network algorithm using fuzzy logic classification schemata (Fuzzy ARTMAP). He successfully applied this system to analyze [AVHRR] remote sensing data in order to detect early signs of seasonal drought in West Africa.

## CONTRACTS AND GRANTS

- 2021 – 2022 **Mason (Provost Office) Curriculum Impact Grant**  
\$33,000 – Co-PI for “Engaging Locally with Food, Energy, Water and Climate Global Goals: Adding Experiential Learning to the Energy and Sustainability Policy and Science MS Concentration”
- 2019 – 2021 **Mason (Institute for Sustainable Earth)**  
\$40,000 – Co-PI for “Microplastics in the Mason Watershed: A Mass Balance Approach”
- 2019 **Mason (Office of Student Scholarship, Creative Activities, and Research [OSCAR]) Summer Team Impact Project Grant**  
\$37,000 – Co-PI for “Aquatic Communities as Bioindicators of Disturbance in the Potomac River”
- 2019 **Mason (Patriot Green Fund [PGF])**  
\$9,106 – Co-PI for “Ecological Impacts of Microplastics in the Tidal Freshwater Potomac River”
- 2018 – 2019 **Mason (OSCAR) Curricular Impact Grant**  
\$10,000 – Co-PI for “Graduate Certificate in Action Research for Social or Ecological Impact”
- 2011 – 2018 **Charter Communications (as Time Warner Cable, Inc. [TWC])**  
\$271,846 – PI for “Corporate Sustainability Innovation Research” (2016 – 2018)  
\$155,851 – PI for “Enterprise Sustainability Integration” (2013 – 2015)  
\$40,000 – PI for “Sustainability Implementation and Monitoring” (2012)  
\$32,897 – PI to implement “Sustainability Assessment” (2011)
- 2015 – 2018 **VentureWell**  
\$32,332 – Co-PI to implement “Classroom to Makers Week (C2MW): A Year-Long Journey from Idea to Implementation at George Mason University”
- 2016 – 2018 **Dominion Foundation**  
\$20,000 – Co-PI for “Green for Good (G4G) – Designing Sustainability at Mason”
- 2016 – 2017 **Mason (College of Science Dean’s Seed Grant)**  
\$10,000 – Co-PI for “Assessing Barriers to Implementation of Urban Hydroelectric Micro-turbines as a Joint Solution to Energy and Water Security Challenges”
- 2017 **Mason (OSCAR and PGF) and Virginia Sea Grant**  
Faculty mentor for \$55,000 PEREC Undergraduate Science and Outreach Summer Project: Assessment of ecosystem health in the tidal freshwater Potomac environment.
- 2011 – 2015 **United States Department of Education**  
Environmental Science Consultant for \$28,455,346 Virginia Initiative for Science Teaching and Achievement [VISTA] over summers 2011, 2014 and 2015
- 2012 – 2015 **Mason (OSCAR Students as Scholars Primary Proposal and Scholarship Development Grant)**  
\$36,015 – PI for “Cultivating Environmental and Sustainability Studies Scholars”
- 2010 – 2014 **National Oceanic and Atmospheric Administration**

- (**Bay Watershed Education and Training [B-WET]**)  
 \$185,374 – PI for “Spatially Connecting Kids to the Bay,” as sub-grant to Fairfax County Public Schools [FCPS]
- 2009 – 2013 **National Oceanic and Atmospheric Administration (B-WET)**  
 \$329,983 – PI for “From the Mountains to the Estuary: From the Schoolyards to the Bay,” a partnership with Prince William County Schools [PWCS]
- 2010 – 2012 **US Department of Energy (Energy Efficiency and Conservation Block Grant)**  
 \$71,433 – PI for “Greenhouse Gas Inventory for Fairfax County, Virginia,” as sub-contract to Fairfax County
- 2012 **Thomas Jefferson High School for Science and Technology, FCPS**  
 \$3,000 – PI for “Aquatic Science and Stewardship Training”
- 2010 – 2011 **National Science Foundation (Climate Change Education)**  
 Climate Scientist and Faculty Associate for \$998,885 “Making the Global Local: Unusual Weather Events as Climate Change Education Opportunities”
- 2009 – 2010 **The Nature Conservancy**  
 \$20,000 – Mason PI for successful proposal, “Potomac River Environmental Flows – Establishing a Sound Scientific Basis for Water Allocation Planning,” as sub-contract to the Interstate Commission on the Potomac River Basin [ICPRB]
- 2010 **Mason (College of Science)**  
 \$3,610 – PI for distance education course development grant
- 2009 **Mason (COS Curricular Innovations Grant)**  
 \$3,000 – PI for “Learning Ecology Ecologically”
- 2003 – 2008 **United Nations Development Programme [UNDP] (GEF)**  
 \$4,938,073 – Chief Technical Advisor and Director for “Strengthening Global Capacity to Sustain Transboundary Waters: IW:LEARN” (operational phase)
- 2000 – 2003 **UNDP (GEF)**  
 \$1,930,400 – Chief Technical Advisor and Director to implement “Strengthening Capacity for Global Knowledge Sharing in International Waters, Component 1” (IW:LEARN pilot phase)

## AWARDS AND HONORS

- 2020 **Seeds of Change Outstanding Partnership Award** for “Sustainability Planning for Communities” (w/EVPP 490+692 students and Off. Of Sustainability), Social Action & Integrative Learning, Mason
- 2019 **Invited Participant**, Northern Virginia Regional Commission innovative energy policies and technologies exchange in Berlin, Bottrop and Stuttgart, Germany DE
- 2018 **OSCAR Mentoring Excellence Award**, Mason Impact Leadership Council, Mason
- 2018 **Seeds of Change Outstanding Partnership Award** for NoVA Outside Environmental Action Showcase (w/FCPS, PEREC and NoVA Outside), SAIL, Mason
- 2018 **Honorary Brother, Alpha Kappa Chi** co-ed professional environmental fraternity, Mason chapter
- 2018 **Invited Participant**, Conservation 3.0: Curriculum Design Convening, Conservation X Labs
- 2017 **Career Connection Faculty of the Year Award** (sole recipient), University Career Services, Mason
- 2017 **Jack Wood Award for Town Gown Relations** (sole faculty/staff recipient), Mason
- 2016, 2017 **Certificate of Appreciation**, Universidad de Monterrey, Mexico MX

- 2016 **Jack Wood Award for Town Gown Relations** for PEREC watershed ed. partnership, Mason
- 2015 **Invited Participant**, Ashoka Change Leaders Retreat
- 2015 **Certificate of Appreciation** from Disability Services, Mason
- 2015 **Certificate of Recognition** from Colegio de la Frontera Norte, Mexico MX
- 2015 **Certificate of Recognition** from Universidad Autónoma de Nuevo León, Mexico MX
- 2014 **Senator Paul Simon Spotlight Award** for Mason's Global Problem-Solving Consortium (GPSC) program (for which my roles are described in Service section below) from NAFSA
- 2014 **Environmental Excellence Award** for the PEREC from Fairfax County, Virginia
- 2014 **Seminars and Special Topics Award**, Special Projects and Summer Term, Mason
- 2013 **Fall 2013 Beacon Survey**, listed by at least one student as the "person on campus who has helped them the most in their college success," Mason
- 2013 **Special Topics in Global Human Rights Award**, Special Projects and Summer Term, Mason
- 2012 **Programs That Work Award** (w/PEREC and PWCS), Virginia Mathematics and Science Coalition
- 2012 **Invited Participant**, US EPA Director of Sustainable Development's meeting to advise its implementation of *Sustainability and the EPA* (a.k.a., "the Green Book")
- 2012 **Invited Participant**, Third International Conference on Sustainability Science
- 2012 **Invited Participant**, Faculty Fellowship Summer Institute in Israel
- 2011 **Environmental Science and Policy Teaching Award**, College of Science, Mason
- 2011 **Business Partnership of the Year Award** for PEREC watershed education partnership, PWCS
- 2010 **Sustainability Hero Award** (sole recipient), Office of Sustainability, Mason
- 2010 **George Mason University Teaching Excellence Award**, Center for Teaching Excellence
- 2010 **Certificate of Appreciation** for outstanding support of Smithsonian-Mason Conservation Semester
- 2010 **Individual Impact Award** for "contributions to Mason's first Climate Action Plan..."
- 2004 – 2006 **Invited Participant**, Expert Meetings on Euphrates-Tigris River Basin Management
- 1995, 1996 **Technology Learning Competition Awards** for the Potomac River Basin Electronic Showcase Project "addressing a community-based problem," Mason
- 1995 **Invited Participant**, NOAA Colloquium on Operational Environmental Prediction

## PUBLICATIONS

### Book Chapters

1. Jansky, L., **D. Sklarew** and J. I. Uitto. 2005. Enhancing public participation and governance in water resources management: An introduction. Chapter 1 in *Enhancing Participation and Governance in Water Resources Management*, pp. 3-18. United Nations University Press: Tokyo, Japan. ISBN 92-808-1120-7 doi: [10.13140/RG.2.1.2063.3445](https://doi.org/10.13140/RG.2.1.2063.3445), URL: <http://www.unu.edu/unupress/2005/enhancingparticipation.html>
2. **Sklarew, D.** 2005. Promoting public participation in international waters management: An agenda for peer-to-peer learning. Chapter 6 in *Enhancing Participation and Governance in Water Resources Management*, pp. 98-119. United Nations University Press: Tokyo, Japan.

### Monographs

**Sklarew, D.** 2000. *Tidal Freshwater Potomac River Eutrophication: Patterns and Relations to Climate Change, Nutrient Management and In Situ Factors*. Mason, Fairfax, VA. URL: <http://hdl.handle.net/1920/8010>

### Journal Articles

1. **Sklarew, D. et al.** ---. Microplastics in the tidal Potomac and Anacostia rivers along an urbanization gradient of the National Capital Region, USA. Under review by *Frontiers in Environmental Science*.
2. Akerlof, K. *et al.* 2021. Categorizing professionals' perspectives on environmental communication with implications for graduate education. *Environmental Communication*. Doi [10.1080/17524032.2020.1862890](https://doi.org/10.1080/17524032.2020.1862890)
3. Sklarew, D. and J. Sklarew. 2018. Integrated water-energy policy for sustainable development. *Foresight and STI Governance* 12(4): 10-19. URL: <https://foresight-journal.hse.ru/en/2018-12-4/229685190.html>
4. Akerlof, K. *et al.* 2016. Risky business: engaging the public on sea level rise and inundation. *Environmental Science and Policy* 66:314-323. Doi: [10.1016/j.envsci.2016.07.002](https://doi.org/10.1016/j.envsci.2016.07.002)
5. Jacobsen, K. *et al.* 2016. Lessons from the Ebola outbreak: action items for emerging infectious disease preparedness and response. *EcoHealth* 13:200-2012. Doi: [10.1007/s10393-016-1100-5](https://doi.org/10.1007/s10393-016-1100-5)
6. **Sklarew, D.** and A. Wingfield. 2014. Up the pyramid, around the loop - action research cultivates sustainability scholars to green the campus. *CUR Quarterly* 35(1): 5-10. (invited cover page article) URL: <http://www.cur.org/download.aspx?id=3041>
7. Smith, A. and **D. Sklarew**. 2013. A mid-Atlantic brook trout (*Salvelinus fontinalis*) stream sustainability statistic for rating non-tidal streams. *Sustainability of Water Quality and Ecology* 2013: 68-81. (senior author) doi: [10.1016/j.swaqe.2013.08.001](https://doi.org/10.1016/j.swaqe.2013.08.001)
8. Smith, A., and **D. Sklarew**. 2012. A stream suitability index for brook trout (*Salvelinus fontinalis*) in the mid-Atlantic United States of America. *Ecol. Indicators* 23: 242-249. (senior author). Doi: [10.1016/j.ecolind.2012.03.031](https://doi.org/10.1016/j.ecolind.2012.03.031)
9. **Sklarew, D.**, S. Annis, J. R. Mendler, and M. Hamid. 2001. Forging a global community to address international waters crises. *Water Resources Impact* 3(2): 20-24. URL: <http://www.awra.org/impact/issues/0103impact.pdf>

### Reports

1. Usher, B., **D. Sklarew** and K. Shires. 2018. *A Top University for the World: George Mason University Global Community Engagement Report and UN Global Compact Communication on Engagement*. Mason: Fairfax, VA. 58 pp. URL: <https://tinyurl.com/gmuungc2018>
2. George Mason University. 2017. *George Mason University Sustainability Tracking, Assessment and Rating System [STARS] Report*. Association for the Advancement of Sustainability in Higher Education [AASHE]: Philadelphia, PA. 255 pp. (sole faculty co-author) URL: <https://tinyurl.com/masonstars2017>
3. Muir, J., *et al.* 2016. *George Mason University: United Nations Global Compact Communication on*

- Engagement, 2013 – 2015*. George Mason University: Fairfax, VA. 45 pp.
4. Peterson, L., **D. Sklarew** and C. Smith. 2014. *Spatially Connecting Kids to the Bay (NOAA Project NA10NMF4570049 Final Report)*. FCPS: Fairfax, VA. 18 pp.
  5. **Sklarew, D.** 2014. *From the Mountains to the Estuary: From the Schoolyards to the Bay (NOAA Project NA09NMF457000 Final Report)*. Potomac Environmental Research and Education Center, Mason: Fairfax, VA. 71 pp.  
URL: <http://tinyurl.com/NOAA-NA09NMF457000>
  6. Fairfax County. 2013. *A Community Greenhouse Gas Inventory for Fairfax County, Virginia, 2006-2010*. Fairfax County: Fairfax, VA. 56 pp. (lead author) URL: <http://tinyurl.com/ffxghg2013>
  7. George Mason University. 2011. *George Mason University STARS Report*. AASHE: Lexington, KY. 225 pp. (sole faculty co-author) URL: <http://tinyurl.com/masonstars2011>
  8. Maibach, E., *et al.* 2011. *A National Survey of Television Meteorologists about Climate Change Education*. Mason, Fairfax, VA: Center for Climate Change Communication. 53 pp. (contributor) URL: <http://tinyurl.com/tv-meteo-cc>
  9. Mason Climate Action Plan Core Planning Committee. 2010. *George Mason University Climate Action Plan, January 2010 – December 2011*: Mason Office of Sustainability: Fairfax, VA. 53 pp. (sole faculty co-author)
  10. **Sklarew, D.** 2010. *Learning Ecology Ecologically: A College of Science Curricular Innovation*. [Final Project Report] PEREC, Mason: Fairfax, VA. 66 pp. URL: <http://tinyurl.com/learning-ecology-ecologically>
  11. Storm, L., **D. Sklarew**, and R. Johnson. 2009. *George Mason University Greenhouse Gas Inventory, July 2002 – June 2007*. Mason Office of Sustainability: Fairfax, VA. 14 pp.
  12. **Sklarew, D.**, J. Mendler de Suarez, and M. Hamid. 2008. *Management Response to the Independent Terminal Evaluation of the UNDP Component of the IW:LEARN Operational Phase Project*. UNDP: New York, NY. 23 pp.
  13. Sherman, K., **D. Sklarew**, I. Belkin, J. Oliver, M. Aquarone, and S. Seitzinger. 2008. *Policy Brief on Large Marine Ecosystems*. Global Forum on Oceans, Coasts, and Islands: Hanoi, Vietnam. 30 pp. vn  
URL: <https://globaloceanforumdotcom.files.wordpress.com/2013/03/lme-pb-june18.pdf>
  14. IW:LEARN. 2002. *Summary Report of the Second Biennial Global Environment Facility (GEF) International Waters Conference, Dalian, China*. IW:LEARN: Arlington, VA. 27 pp. (editor) cn
  15. IW:LEARN. 2001. *International Waters Distance Learning: Financing, Connectivity and Content*. IBRD/infoDev Contract 248243 final report. IW:LEARN: Washington DC. 28 pp. (co-author)
  16. EPA. 2000. *Projecting Land-Use Change: A Summary of Models for Assessing the Effects of Community Growth and Change on Land-Use Patterns*. EPA/600/R-00/98. U.S. EPA Office of R&D: Washington, DC. 264 pp. (co-author)
  17. SAIC. 1999. *Economic Analysis of the Final Phase II Storm Water Rule*. EPA 833-R-99-002. U.S. EPA Office of Water: Washington, DC. 254 pp. (contributing researcher)
  18. ICPRB. 1999. *Tidal Potomac Integrative Analysis Project*. ICPRB Report 99-4. ICPRB : Rockville, MD. 378 pp. (contributor) URL: <https://www.potomacriver.org/publications/tidal-potomac-integrative-analysis-project>
  19. SAIC. 1999. *Cook Inlet Information Management and Monitoring System (CIIMMS) – Pilot Phase Implementation Plan*. Submitted to AK Department of Natural Resources and AK Department of Environmental Quality. (co-author)
  20. SAIC. 1999. *Cook Inlet Information Management Requirements and Recommendations – Results from the User Needs Workshop*. Submitted to AK Department of Natural Resources and AK Department of Environmental Quality. (co-author)
  21. **Sklarew, D.** 1997. *Improving Community Access to Watershed Management Tools*. Report to EPA Office of

Wetlands, Oceans, and Watersheds.

22. **Sklarew, D.** 1995. *Educational Software and On-Line Resources for University Biology and Life Sciences*. Commissioned by the New Century College, Mason: Fairfax, VA.

### Conference Proceedings

1. Antil, H., E. Chiru, R. Lindsey, C. Parker, **D. Sklarew** and M. von Fricken. 2020. Creating meaningful connections between students' education and life after college. *Innovations in Teaching and Learning [ITL] Conference Proceedings Vol. 12*, Fairfax, VA: Mason. doi: [10.13021/itlcp.2020.2762](https://doi.org/10.13021/itlcp.2020.2762)
2. Campbell, S., **D. Sklarew**, A. Caswell and C. Parham. 2020. Preparing students to land the jobs of today and tomorrow. *ITL Conference Proceedings Vol. 12*, Fairfax, VA: Mason. doi: [10.13021/itlcp.2020.2841](https://doi.org/10.13021/itlcp.2020.2841)
3. Ferguson, E., R. Dietrich, **D. Sklarew**, Y. Kuo and C. Frankenfeld. 2020. Reimagining student projects. *ITL Conference Proceedings Vol. 12*, Fairfax, VA: Mason. doi: [10.13021/itlcp.2020.2838](https://doi.org/10.13021/itlcp.2020.2838)
4. **Sklarew, D.**, L.G. Kelemen, B. Kochan, T. Monroe, D. Stearns, J. Hammat and A. Nastase. 2019. A classroom for everyone: welcoming and supporting learners of all genders. *ITL Conference Proceedings Vol. 11*, Fairfax, VA: Mason.
5. **Sklarew, D.**, S. Allen, M. Call-Cummings, E. DeMulder, J. Srikantia, and J. View. 2018. Incorporating action research for big social, ecological and learning impacts. *ITL Conference Proceedings Vol. 10*, Fairfax, VA: Mason. doi: [10.13021/G8itlcp.10.2018.2181](https://doi.org/10.13021/G8itlcp.10.2018.2181)
6. **Sklarew, D.** 2017. Collaborative learning to realize United Nations' Sustainable Development Goals and professional roles. *ITL Conference Proceedings Vol. 9*, Fairfax, VA: Mason. doi: [10.13021/G8itlcp.9.2017.1836](https://doi.org/10.13021/G8itlcp.9.2017.1836)
7. **Sklarew, D.**, A. Fowler and K. de Mutsert. 2017. Research experience for undergraduates: assessing ecosystem health in the tidal Potomac River. *ITL Conference Proceedings Vol. 9*, Fairfax, VA: Mason. doi: [10.13021/G8itlcp.9.2017.1825](https://doi.org/10.13021/G8itlcp.9.2017.1825)
8. Sklarew, J., and **D. Sklarew**. 2017. Empowering resilience in energy and water systems: addressing barriers to implementation of urban hydroelectric micro-turbines. 2017 *Frontiers in Resilience Symposium*, Arlington, VA, May 10-17, published as CIP Report article, July 27, 2017. URL: <http://tinyurl.com/empowering-resilience>
9. Reagle, C., *et al.* 2017. From idea to prototype: introducing students to entrepreneurship. *IEEE Integrated STEM Education Conference (ISEC)*, Princeton, NJ, March 11, pp. 71-75. doi: [10.1109/ISECon.2017.7910251](https://doi.org/10.1109/ISECon.2017.7910251)
10. **Sklarew, D.** 2016. Learning to realize a more sustainable world. *ITL Conference Proceedings Vol. 8*, Fairfax, VA: Mason. doi: [10.13021/G8D023](https://doi.org/10.13021/G8D023)
11. **Sklarew, D.**, A. Wingfield and A. Richards. 2015. Learning inside out, turning outside into class with an eye towards sustainability and well-being. *ITL Conference Proceedings Vol. 7*, Fairfax, VA: Mason. doi: [10.13021/G8VW23](https://doi.org/10.13021/G8VW23)
12. **Sklarew, D.**, A. Wingfield and A. Richards. 2015a. Up the pyramid, around the loop—action research cultivates sustainability scholars to green the campus. *ITL Conference Proceedings Vol. 7*, Fairfax, VA: Mason. doi: [10.13021/G8CP5T](https://doi.org/10.13021/G8CP5T)
13. Dalpra, C. and **D. Sklarew**. 2014. Education and outreach activities on the Potomac. In *荒川学会年次大会 2014 (Arakawa Society 2014 Annual Meeting)*, Tokyo: Arakawa Society, pp. 24-29. JP
14. **Sklarew, D.** and A. Richards. 2013. Learning to pursue sustainability through action research, reflective discourse and service learning. *ITL Conference Proceedings Vol. 5*, Fairfax, VA: Mason. doi: [10.13021/G87P5K](https://doi.org/10.13021/G87P5K)

15. Wagner, W., D. Sklarew, J. Owen and L. Smith. 2012. Community-based research: Amplify undergraduate engagement in inquiry. ITL Conference Proceedings Vol. 4, Fairfax, VA: Mason. doi: [10.13021/G8itlcp.4.2012.2000](https://doi.org/10.13021/G8itlcp.4.2012.2000)
16. Sklarew, D., J. Coolidge, S. Stribling, and W. Wagner. 2011. Enhancing college students' learning through action research and collaborative inquiry. ITL Conference Proceedings Vol. 3, Fairfax, VA: Mason. doi: [10.13021/G8itlcp.3.2011.2040](https://doi.org/10.13021/G8itlcp.3.2011.2040)
17. Sklarew, D. 2011. Growing “green leaf” courses for sustainability. ITL Conference Proceedings Vol. 3, Fairfax, VA: Mason. doi: [10.13021/G8itlcp.3.2011.2049](https://doi.org/10.13021/G8itlcp.3.2011.2049) (teaching table)
18. Sklarew, D. and A. Wingfield. 2010. ITL Conference Proceedings Vol. 2, Fairfax, VA: Mason. doi: [10.13021/G8itlcp.2.2010.2096](https://doi.org/10.13021/G8itlcp.2.2010.2096)
19. Sklarew, D. and M. Martin. 2009. New technologies for collaborative learning. ITL Conference Proceedings Vol. 1, Fairfax, VA: Mason. doi: [10.13021/G8itlcp.1.2009.2108](https://doi.org/10.13021/G8itlcp.1.2009.2108)
20. Sklarew, D. and A. Duda. 2002. Global Environment Facility: forging partnerships and fostering knowledge transfer to sustain transboundary waters. In *Proceedings of the Second International Conference on Sustainable Management of Transboundary Waters in Europe*, Miedzyzdroje, Poland, Apr. 21-24. Geneva: UNECE Convention on the Protection and Use of Transboundary Watercourses and International Lakes, pp. 55-61. ISBN 90-369-5480-0 PL
21. Suarez, P. and D. Sklarew, eds. 2002. Transboundary waters management: perspectives from Latin America and Caribbean managers. In *Proceedings of the First International Symposium on Transboundary Waters Management*, Monterrey, Nuevo Leon, Mexico: La Asociación Mexicana Hidraulica. MX
22. Sklarew, D. 2000a. Hydrology and TMDL wasteload allocations in the tidal freshwater Potomac River watershed. In *Proceedings of the Water Environment Federation 2000*, Alexandria, VA: Water Env. Fed., pp. 1306 - 1315. doi: [10.2175/193864700785150358](https://doi.org/10.2175/193864700785150358)
23. Zeiner, K., et al. 2000. Development of the Cook Inlet Information Management/Monitoring System (CIIMMS). *Proceedings of the Water Environment Federation 2000*, Alexandria, VA: Water Env. Fed., pp. 1132-1147. doi: [10.2175/193864700785149099](https://doi.org/10.2175/193864700785149099)
24. Jones, R.C. and D. Sklarew. 1996. Inter-annual trends in water quality at an embayment and nearby mainstem of the tidal freshwater Potomac River. In 74<sup>th</sup> Annual Meeting of the Virginia Academy of Science. *Virginia Journal of Science* 47(2):123.
25. Gopal, S., D. Sklarew, and E. Lambin. 1993. Fuzzy-neural networks for multi-temporal classification of land cover in the Sahel. In *Proceedings of the DOSES Workshop on New Tools for Spatial Analysis*. Lisbon, Nov. 18-20. Luxembourg: Office of Official Publications of European Communities, pp. 69-81. EU
26. Sklarew, D. 1993. Information technologies for distributed environmental decision-making. *Proceedings of the IEEE International Symposium on Technology and Society*, Washington, DC, Oct. 22-23. Piscataway, NJ: IEEE.

### Other Peer-Reviewed Products

Odendaal, F., D. Sklarew and C. Velasquez. 2006. Turning the Tide: Sustaining Earth’s Large Marine Ecosystems. Francois Odendaal Productions, Cape Town, South Africa. (text and video documentary)  
 URL: <http://iwlearn.net/documents/13425>

### Other Products and Publications

1. Babcock, S., et al. 2020. Students’ 2030 strategic plan for sustainability at George Mason University. EVPP 490/692, Mason: Fairfax, VA. 24 pp. (Faculty supervisor)



2. Champion, A. et al. 2020. University strategic plans for sustainability: a review and summary of best practices. EVPP 490/692, Mason: Fairfax, VA. 10 pp. (Faculty supervisor)
3. Anonymous. 2011. A vision for sustainability in academic endeavors at Mason. URL: <https://green.gmu.edu/academics/academic-vision>
4. Anonymous. 2010. The sustainable vision series – sustainability studies. Sustainable Mason 1:3, p. 5.
5. Green, J., R.C. Jones, C. Smith and **D. Sklarew**, Eds. 2011. From the Mountains to the Estuary: From the Schoolyard to the Bay – Meaningful Watershed Experiences for High School Students. PWCS and the PEREC, Mason: Woodbridge, VA. 50 pp.
6. **Sklarew, D.** 2010. An instructor's guide to learning ecologically. [Teaching Excellence Award Portfolio] Submitted to Center for Teaching Excellence, Mason: Fairfax, VA. 64 pp.
7. **Sklarew, D.** 2010. Wikipedia contributions. (various topics) Wikimedia Foundation: St. Petersburg, Florida, USA. URL: <http://en.wikipedia.org/wiki/User:Dann>
8. Greene, J., C. Smith, **D. Sklarew**, R.C. Jones, and R. Johnson. 2009. From the Mountains to the Estuary: From the Schoolyard to the Bay – Meaningful Watershed Experiences for Grade 6 Students. PWCS and the PEREC, Mason: Woodbridge, VA. 118 pp. URL: <http://tinyurl.com/m2es2b-6th>
9. **Sklarew, D.** 2009. George Mason University hosts Potomac Center. The Arlington Environment 16:4, p. 3.
10. **Sklarew, D.** 2009. Contribute to Mason's climate commitment. [Letter to editor] Broadside newspaper, Jan. 29, p. 5; posted Jan. 30. URL: [http://www.connect2mason.com/climate\\_letter](http://www.connect2mason.com/climate_letter)
11. **Sklarew, D.** December 2008. GEF IW:LEARN legacy and catalytic impacts. GEF IW Bridges, p. 1.
12. Lien, B. P., A. Miljkovic, T.H.V. Pham, and **D. Sklarew**. June, 2008. Traversing the waters of stakeholder engagement. GEF IW Bridges, p. 1.
13. **Sklarew, D.** 2007. Raindrops keep fallin' on my house. (a rain barrel cost/benefit analysis) The Arlington Environment 15:1, p. 5.
14. United Nations. 2003. Strengthening Global Capacity to Sustain Transboundary Waters: the International Waters Learning Exchange and Resource Network (IW:LEARN) – UNDP Project Document PIMS 2838 GLO/03/G41/A/1G/31. 100 pp. (Lead author)
15. Clabaugh, J. and **D. Sklarew**. Int. Waters Web Developers' Guide. 2001. IW:LEARN, Arlington, VA. 18 pp.
16. United States Environmental Protection Agency, Office of Wastewater Management. 1999. The NPDES Storm Water Program. (lead designer, developer and editor of the original compliance assistance website)
17. **Sklarew, D.** 1997. Water quality and availability. Mind-full science, technology, and ethics issue paper series, Vol. 1, No. 6. Washington, DC: Student Pugwash USA.

## EDITED VOLUMES

Duda, A., J. Uitto, S. Chen and **D. Sklarew**, eds. 2002. *International Waters Managers' Insights Regarding the Global Environment Facility (GEF) International Waters Program Study – Transboundary Analyses, Demonstrations, Sustainability and Lessons Learned*. IW:LEARN, Arlington, VA. 28 pp.

## INVITED PRESENTATIONS AND SEMINARS

1. Think ethically, serve professionally. 2021 STGlobal Conference, online, April 16-17, 2021.
2. Rapid global climate change: threat and/or opportunity? Dialog & Difference Project, Fairfax, VA, Feb. 20, 2020.
3. What can we do about climate change? (panel discussion) UNICEF George Mason, Fairfax, VA, Feb. 13,



2020.

4. Teaching business and sustainability through alignment with the SDGs. Sustainability Literacy: Faculty, Staff, and Students as Agents of Change (international symposium), Charleston, SC, Feb. 12-13, 2020. (w/I. Feldman)
5. Coastal microplastics pollution: common problems, shared solutions. Training Program on Coastal Conservancy (sponsored by the Zhejiang Dept. of Natural Resources), Fairfax, VA, Nov. 4, 2019. CN
6. Ecological inspiration for sustainability innovation. Washington Youth Summit on the Environment [WYSE], Fairfax, VA, June 26, 2019. (w/J. Sklarew)
7. Connecting marine debris to climate change and other ecological concerns. Mid-Atlantic Marine Debris Summit, Arlington, VA, June 17-19, 2019.
8. Advancing urban sustainability in theory and practice since the 1990s. Planning Theory [URBS 300] course, California State University Northridge, Northridge, CA, Apr. 16, 2019.
9. Teaching to the SDGs through sustainability action research and sustainable business curricula. Sustainable Human and Environmental Systems (SHES) Roundtable webinars, Sustainability Curriculum Consortium, Mar. 20, 2019. URL: <http://tinyurl.com/teach2sdgs201903>
10. Water governance and integrated management in the United States of America. For People's Republic of China Office of National Flood Control, Drought Prevention and Resistance, Fairfax, VA, Dec. 3 and 4, 2018. CN
11. Key environmental auditing features for communities and corporations: Sustainability, materiality, transparency and adaptability. For Guiyang, China Training Program on Building Intelligent Community and Governance Innovation in the Sharing Economy, Fairfax, VA, Nov. 26, 2018. CN
12. Water as means and metaphor for resilience. S-CAR Resilience Roundtable, Lorton, VA, Oct. 27, 2018.
13. Social entrepreneurship for nature. WYSE, Fairfax, VA, June 27, 2018.
14. Foresight on emerging trends for sustainability in higher education. Sustainability Curriculum Consortium Faculty Conference 2018, Pittsburgh, VA, June 26-27, 2018.
15. Managing America's rivers for people and nature. For Changchun Municipal Committee of C.P.C., China study tour, Fairfax, VA, May 22, 2018. CN
16. A framework for more sustainable food systems. Mason Sustainable Food Forum, Fairfax, VA, Apr. 13, 2018.
17. Town and gown partnerships: solving sustainability issues together. American Public Works Association Center for Sustainability and APWA Mid-Atlantic Chapter, Woodbridge, VA, March 1, 2018. (w/K. Baja, A. De Soto, E. Forbes and M. Rodrigues)
18. Oportunidades doradas para avanzar en la sostenibilidad del campus. [Golden opportunities to advance campus sustainability.] Centro de SOStenibilidad, Universidad de Monterrey, Monterrey, Mexico, Feb. 16, 2018. MX
19. Integrating land pollution into watershed management – lessons from North America. Ji'nan, China land contamination and remediation delegation, Reston, VA, Dec. 11, 2017. CN

20. Water governance and integrated management in the United States of America. China National Development and Reform Commission – river management innovation in the US, Woodbridge, VA, Dec. 5-7, 2017. CN
21. Translating environmental science into action at the local climate-water nexus. Translating Environmental Policy into Action seminar [EVPP 623], Mason, Nov. 28, 2017.
22. “One health” in a changing urban climate. Health and the Environment [GCH 360], Mason, Nov. 1, 2017.
23. Sustaining our coastal ecosystems’ health. Component of “Mason research: building resilient Earth systems” briefing for staff of United States Senator Tim Kaine, Fairfax, VA, August 24, 2017.
24. Think globally, act neighborly to realize Fairfax County’s environmental vision. Fairfax County Chairman Sharon Bulova’s Environmental Showcase, Fairfax, VA, July 22, 2017.
25. “One health,” zoonoses and climate change. GCH 360, Mason, Mar. 27, 2017.
26. Campus-based initiatives for sustainable development. X Assembly of the International Advisory Board for Student Affairs, Universidad de Monterrey, Monterrey, Mexico, Mar. 3, 2017. MX
27. Social entrepreneurship for sustainable development. IREX Corporate Sustainability Leadership Program, webinar simulcast to Kiev, Ukraine and three locations in Russia, Jan. 11, 2017. UA RU
28. Incorporating sustainability into business practices. IREX Corporate Sustainability Leadership Program, Higher School of Economics [HSE] National Research University, Perm, Russia, Nov. 9-14, 2016. RU
29. Sustainable business practices for the triple bottom line. IREX Corporate Sustainability Leadership Program, HSE, Perm, Russia, Nov. 9-14, 2016. RU
30. Potomac River restoration and watershed sustainability. Xinjiang Environmental Protection Study Group, Fairfax, VA, Oct. 26, 2016. (Lead, w/R.C. Jones and C. Smith) CN
31. ENCORE: Mason Core Engagement Series for Sustainability and Well-Being. Mason Sustainability Living and Learning Community, Fairfax, VA, Oct. 18, 2016. (w/A. Karton, M. Lo and M. Thurston)
32. ENCORE: Mason Core Engagement Series for Sustainability. Mason Academic Advisors Council, Fairfax, VA, Oct. 14, 2016. (Lead, w/A. Karton and M. Lo)
33. Adapting “one health” for people and nature to changing climate, GCH 360, Oct. 5, 2016.
34. Innovating solutions to realize the universal human right to water. WYSE, Arlington, VA, June 29, 2016.
35. Building public trust through communication of energy and environmental risks. Korean International Nuclear Graduate School [KINGS] study tour, Fairfax, VA, Feb. 22, 2016. (w/J. Sklarew) KR
36. Cultivating sustainability across our campuses and communities. Leaders in Energy Showcase on Energy and Sustainability Research and Educational Programs at George Mason U., Arlington, VA, Feb. 5, 2016.
37. Big data applications to advance sustainable development. People’s Republic of China, Ministry of Industry and Information Technology training delegation, Arlington, VA, Dec. 18, 2015. CN
38. Sustainability, materiality, transparency and adaptability: key environmental auditing features for communities and corporations. Env. Auditing Program for Beijing Municipal Bureau of Audit, Fairfax, VA, Oct. 29, 2015. CN
39. Private sector roles for the UN Sustainable Development Goals: a panel discussion on managing our planet. Managing our Planet series at the Woodrow Wilson International Center for Scholars, Washington, DC, Oct. 28, 2015. (w/A. Cabrera and T. Yosie) URL: <http://tinyurl.com/biz4sdgs>
40. Environmental stewardship – global values, actions and impact. Mason Environmental Festival, Fairfax, VA, Oct. 22, 2015.
41. Sustainable business practices above the triple bottom line. Center for Sustainable Business Practices, University of Oregon, Eugene, Oregon, Oct. 15, 2015.

42. Securing environmental health in a changing climate. GCH 360, Mason, Oct 7, 2015.
43. Ecological and sustainable development for the water sector. Mason School of Business Executive Education, "City-Industry Integration and Circulation Reform About Industrial Parks in the United States," for People's Republic of China State Administration of Foreign Experts Affairs (Guangxi), Sep. 9, 2015. CN

44. Social entrepreneurship and innovation for young changemakers. United States Consulate General Youth Council, Monterrey Institute of Technology, Monterrey, Mexico, Aug. 15, 2015. MX
45. International governance on shared water resources. Colegio de la Frontera Norte, Monterrey, Aug. 14, 2015. MX
46. Innovation and social transformation. Universidad de Monterrey, Monterrey, Aug. 14, 2015. MX
47. Change agents: social entrepreneurship and innovation. Universidad Autónoma de Nuevo León (UANL) World Trade Center, Monterrey, Aug. 14, 2015. MX
48. Social innovation for creative change. Universidad de Monterrey, Monterrey, Aug. 14, 2015. MX
49. Global management for environmental sustainability. UANL, Monterrey, Aug. 14, 2015. MX
50. Social entrepreneurship and innovation for young changemakers. United States Consulate General at Matamoros Institute for Culture and Arts (IMACULTA), Matamoros, Mexico, Aug. 12, 2015. MX
51. Environmental management and sustainability. IMACULTA, Aug. 12, 2015. MX
52. Social entrepreneurship and social innovation for sustainability. IMACULTA, Aug. 11, 2015. MX
53. Social entrepreneurship and innovation. IMACULTA, Aug. 11, 2015. MX
54. Understanding and sustaining aquatic ecosystems to meet our needs. VISTA Elementary Science Institute, Fairfax, VA, July 6 and 13, 2015.
55. Social innovation for ecological sustainability. WYSE, Arlington, VA, July 1, 2015.
56. Forty years to quench our thirst: sustainable water development. Mason Water Forum Research Symposium, Fairfax, VA, Apr. 30, 2015.
57. Strategies to realize a global water vision. Water Sector Strategies workshop of the XVI April International Academic Conference on Economic and Social Development, HSE, Moscow, Russia, Apr. 10, 2015. RU
58. Learning inside out, turning outside into class for environmental health and human well-being. Center for Teaching and Faculty Excellence “Flipping your Class” workshop for College of Health and Human Services, Mason, Fairfax, VA, Mar. 23, 2015.
59. Are SDGs aligned to manage our planet? For “U.N. Sustainable Development Goals: 17 goals or one?” panel of Managing our Planet series at the Woodrow Wilson International Center for Scholars, Washington, DC, Mar. 18, 2015. (w/M. Bapna and E. Starbird)  
URL: <http://www.wilsoncenter.org/event/the-un-sustainable-development-goals-17-goals-or-one>
60. Visions for a globalized water sector. Water Sector Scenarios Roundtable, HSE, Moscow, Mar. 6, 2015. RU
61. Low-carbon economy and new energy industry developments in the USA: Status, trends and challenges. Shandong Province Economic Structure Transformation and Industrial Upgrading Program, Arlington, VA, Dec. 3, 2014. (w/J. Sklarew) CN
62. Sustainability of water supply systems: scanning the global horizon to 2030. HSE Annual Conference on Foresight and STI Policy, Moscow, Russia, Nov. 7, 2014. RU
63. Sustainable development and environmental protection in the United States of America. US Department of State International Visitor Leadership Program, “Sustainable Development and Environmental Protection in the U.S.: A Single Country Project for the People’s Republic of China” Washington, DC, Aug. 25, 2014. CN
64. Integrating water management and food security. Global Problem-Solving Consortium Workshop on Food Security, HSE, Moscow, Russia, July 11, 2014. RU
65. Understanding and sustaining aquatic ecosystems to meet our needs. VISTA Elementary Science Institute, Fairfax, VA, July 8, 2014.

66. Social innovation is sustainability in action. The Social Innovation Program, Fairfax, VA, July 3, 2014.
67. Potomac aliens and natives: Can we all get along? Green Living Expo and Earth Week Community Fair, Arlington, VA, Apr. 26, 2014.
68. Sustaining life-giving waters: From global to local scales. Mason Water Forum, Fairfax, VA, Feb. 13, 2014.
69. Sky is the limit in green infrastructure for low impact development (LID) on American roads (vis-à-vis the water cycle). Int. Workshop of Green Infrastructure on Road for LID, Association for Rainwater Storage and Infiltration Technology (ARSIT), Tokyo, Japan, Jul. 31, 2013. (w/H. Karimi) JP
70. Potomac River stewardship and sustainable development in the Washington, DC, metropolitan region. Landscape Architecture Science Seminar, Faculty of Regional Environmental Science, Tokyo University of Agriculture, Tokyo, Japan, Jul. 18, 2013. JP
71. Potomac River stewardship and sustainable development in the Washington, DC, metropolitan region. 水都交流セミナー (Aquapolis Interactive Seminar), Laboratory of Regional Design with Ecology, Hosei University, Tokyo, Japan, May 10, 2013. JP
72. Shared water management in the Potomac River Basin. The 8<sup>th</sup> River Day Workshop of the Kanto Region, Kawaguchi, Saitama Prefecture, Japan, Jan. 18, 2013. JP
73. Social innovation for environmental stewardship. WYSE, Fairfax, VA, June 27, 2012.
74. Ecological models for social entrepreneurship and natural innovation transfer. The Social Innovation Program, Fairfax, VA, June 25, 2012.
75. Innovating with sustainability. Marine Corps Base Quantico Environment and Energy Summit, Quantico, VA, May 9, 2012. (w/L. Storm)
76. Climate change adaptation and resilience. Mason flash lecture series. Fairfax, VA, Apr. 19, 2012.
77. Water and human rights. Pizza and perspectives panel discussion series. Arlington, VA, Apr. 4, 2012. (w/K. Krchnak and A. Milton)
78. The federal-state collaborative approach to water management in the United States of America. US Department of State International Visitor Leadership Program, “Water Resources Protection in the U.S.,” Washington, DC, Mar. 20, 2012.
79. Mason fosters regional environmental education. NoVA Outside Green Schools Expo, Fairfax, VA, Mar. 3, 2012.
80. Climate change, mitigation, adaptation and sustainability. Applied Ecology and Ecosystem Management course [EVPP 677], Fairfax, VA, Feb. 28, 2012.
81. Americans’ water resource management and infrastructure in the 21<sup>st</sup> century. US State Dept. International Visitor Leadership Program, “Water Plant Management: A Project for Iraq,” Washington, DC, Feb. 13, 2012. IQ
82. Rio+20: Impacts and ways forward. “Managing our Planet” series at Woodrow Wilson International Center for Scholars, Washington, DC, Feb. 12, 2012. (w/M. Lapinski, F. Boltz, J. Scherr, and R. Detchon) URL: <http://wilsoncenter.org/event/rio20-impacts-and-ways-forward>
83. Eutrophication and recovery in the tidal freshwater Potomac River: Gunston Cove and other stories. Coastal and Estuarine Research Federation 2011, Daytona Beach, FL, Nov. 6-10, 2011. (w/R.C. Jones)
84. Trends in Fairfax County’s fossil energy use and greenhouse gas emissions since 2006. Air and Waste Management Association, Baltimore-Washington DC Chapter Fall Networking Event, Sep. 15, 2011.
85. Fostering Bay stewardship via outdoor and online learning. EMECS-9 Global Summit on Coastal Seas – Students and Schools Partnership, Baltimore, MD, Aug. 29, 2011. (Lead, w/J. Green and C. Smith)
86. Our watershed: Mason Pond to Occoquan Bay, and beyond. VISTA Elementary Science Institute, Fairfax,

VA, July 21, 2011.

87. Sustainable development: Visions, goals and actions. Benjamin Franklin Transatlantic Fellows Initiative: Summer Institute for Youth, Fairfax, VA, July 14, 2011. (Lead, w/T. Wood)
88. Results and implications of Fairfax County's first community greenhouse gas inventory, final report to the Environmental Quality Advisory Committee [EQAC], Fairfax County, VA, July 13, 2011.
89. A wild ride down the watershed of sustainability. VISTA Elementary Science Institute, Fairfax, VA, July 11, 2011.
90. Prioritizing community energy efficiency and conservation targets with an energy use and greenhouse gas emissions inventory. Reston Sustainability Community Partnership, Reston, VA, June 29, 2011.
91. Social innovation for ecological stewardship and sustainability. WYSE, Fairfax, VA, June 29, 2011.
92. Ecological contexts and models for social entrepreneurship and natural innovation transfer. Phoenix Project Social Innovation Program, Fairfax, VA, June 27, 2011.
93. What is unique about the Occoquan River and how can we keep it that way? 2011 Occoquan River Fest, Occoquan, VA, June 25, 2011. (w/R. C. Jones)
94. Community greenhouse gas inventory and findings: a report to the Fairfax County Private Sector Energy Task Force, Fairfax County, VA, May 25, 2011.
95. Gray matter green jobs for the 21<sup>st</sup> Century. The Governor's School at Innovation Park, Manassas, VA, Apr. 26, 2011.
96. Fairfax County community greenhouse gas inventory, progress report for EQAC, Fairfax County, VA, Mar. 9, 2011.
97. Trans-jurisdictional water management in the USA. US Department of State International Visitor Leadership Program, "Water Supply and Management II: A Project for Pakistan," Washington, DC, Mar. 3, 2011. PK
98. Managing our planet's freshwater. "Managing our Planet" series at Woodrow Wilson International Center for Scholars, Washington, DC, Feb. 23, 2011. (w/K. Krchnak; webcasted live to MIT's "Global Freshwater Crisis" [DUSP 11.191] urban studies course) URL: <http://www.wilsoncenter.org/event/managing-the-planets-freshwater>
99. Scales of sustainability. Mason Foundations of Environmental Sustainability: Co-evolution of Science and Policy seminar [EVPP 692/991], Fairfax, VA, Feb. 3, 2011.
100. Adaptive integrated water resource management in the United States of America. US Department of State International Visitor Leadership Program, "Water Resources Management, a Sub-Regional Project for Central Asia," Washington, DC, Jan. 10, 2011.
101. Fairfax county community greenhouse gas inventory, progress report for EQAC, Fairfax County, VA, Nov. 29, 2010.
102. Sustainability, symbiosis and stewardship. The Governor's School at Innovation Park, Manassas, VA, Nov. 23, 2010.
103. Inter-generational equity and sustainable development. Mason Sustainable World course [NCLC 210], Fairfax, VA, Nov. 22, 2010.
104. American approaches to integrated river basin management. Advanced Hydrology and Climate Change Workshop, US-China Joint Environmental Sci. and Tech. Center, Fairfax, VA, Oct. 15, 2010. US CN
105. A brief history of sustainability. Mason Sustainable World course [NCLC 275 then NCLC 2010], Fairfax, VA, Sep. 14, 2009 then Sep. 13, 2010.
106. Sustainable development: visions, goals and actions. Benjamin Franklin Transatlantic Fellows Initiative: Summer Institute for Youth, Fairfax, VA, July 19, 2010. (Lead, w/T. Wood)

107. Designing a home energy efficiency and conservation incentive program for Fairfax County, Virginia. Energy Efficiency and Conservation Coordinating Committee, Fairfax County, VA, June 28, 2010. (Lead, w/K. Akerlof)
108. Creating a community greenhouse gas inventory for Fairfax County, Virginia. EQAC, Fairfax County, VA, June 9, 2010. (Lead, w/M. Aziz, R. Johnson and R. Shrestha)
109. Potomac aliens and natives: Can we all get along? Occoquan River Conservation Day, Occoquan, VA, May 22, 2010.
110. *Ecco*/centric sustainability studies. Mason Sustainability Studies Advisory Council, Fairfax, VA, Apr. 22, 2010.
111. Think globally, adapt locally: climate change learning and action. Climate Change Perceptions and Policies, Mason College of Science annual policy forum, Fairfax, VA, Apr. 6, 2010.
112. Adapting Chesapeake Bay governance to climate change. Mason Governance, Policy and Climate Change course [PUBP 710-007], Arlington, VA, Mar. 30, 2010.
113. Conflict and collaboration in the Chesapeake Bay basin. Mason Water and Conflict course [CONF 695-003], Arlington, VA, Mar. 24, 2010.
114. Of photons, photovoltaics, and photosynthesis: How can we meet America's energy needs in 2060? Mason Physics of Renewable Energy course [PHYS 331/580], Fairfax, VA, Mar. 17, 2010.
115. A government-university partnership for climate action: Community greenhouse gas inventory, energy efficiency and conservation initiatives for Fairfax County, Virginia. Energy Efficiency and Conservation Coordinating Committee, Fairfax County, VA, Jan. 15, 2010.
116. Evolving integrated river basin management in the United States of America. Advanced Hydrology and Climate Change Workshop, US-China Joint Environmental Science and Technology Center, Fairfax, VA, Oct. 19-Nov. 7, 2009. US CN
117. Chesapeake confluence – Public-private environmental partnerships in the United States and their implications for environmental protection in South Asia. Keynote for US Department of State International Visitor Leadership Program, “Environmental Protection – A Regional Project for South Asia,” Washington, DC, June 8, 2009.
118. Social marketing for ecosystem-based management: Perspectives from a global Large Marine Ecosystem campaign. International Marine Conservation Congress, Fairfax, VA, May 20-24, 2009.
119. The Chesapeake Bay Program at 25: Harmonized halfway to success? International Marine Conservation Congress, Fairfax, VA, May 20-24, 2009.
120. Learning ecology ecologically: An intercollegiate distance education collaboration. Mason Distance Education Council, Fairfax, VA, Apr. 17, 2009.
121. Conveying large marine ecosystem-based management expertise through multimedia distance learning and peer-to-peer innovation transfer. SeaWeb Ecosystem-based Management Communications Workshop, Washington, DC, Oct. 4, 2008.
122. Adaptive management of ecosystem services – nutrient rich insights from the tidal Potomac River for our changing world. Dept. of Environmental Science and Policy, Mason, Fairfax, VA, July 25, 2008.
123. Chesapeake Bay ecological management ~ in the sky, on the land, and down the rivers. 4th Global Conference on Oceans, Coasts, and Islands: Advancing Ecosystem Management and Integrated Coastal and Ocean Management by 2010 in the Context of Climate Change, Hanoi, Vietnam, Apr. 7-11, 2008. VN
124. Participatory monitoring and evaluation. Asia Regional Workshop on Stakeholder Engagement in International Waters Management, Hanoi, Vietnam, Apr. 2-4, 2008. VN
125. Promoting and institutionalizing participation for integrated watershed management. Asia Regional Workshop on Stakeholder Engagement in International Waters Management, Hanoi, Vietnam, Apr. 2-4,

2008. (w/N. Phong) VN
126. Role of stakeholder engagement in integrated water management (a GEF International Waters perspective). Asia Regional Workshop on Stakeholder Engagement in International Waters Management, Hanoi, Vietnam, Apr. 2-4, 2008. VN
  127. The role of public involvement in the GEF International Waters project cycle. Africa Regional Workshop on Public Participation in Transboundary Waters Management, Maseru, Lesotho, Nov. 13-16, 2007. LS
  128. Institutional frameworks for public and stakeholder involvement. Regional Workshop on Public Participation in International Waters Management in Latin America and the Caribbean, Montevideo, Uruguay, Dec. 6-9, 2006. UY
  129. Participatory monitoring and evaluation. Regional Workshop on Public Participation in International Waters Management in Latin America and the Caribbean, Montevideo, Uruguay, Dec. 6-9, 2006. UY
  130. The role of public involvement in the GEF International Waters project cycle. Regional Workshop on Public Participation in International Waters Management in Latin America and the Caribbean, Montevideo, Uruguay, Dec. 6-9, 2006. UY
  131. Lessons for management of the Euphrates-Tigris River Basin from GEF International Waters projects. Politics and the Role of Science in Euphrates-Tigris River Basin Management (international symposium), Tokyo, Japan, Nov. 17, 2006. JP
  132. Sustaining Euphrates-Tigris River Basin benefits through adaptive Integrated Water Resources Management (IWRM) of shared waters. 2nd Experts Meeting on the Euphrates/Tigris River Basin Management. Tokyo University/JSPS, Tokyo, Japan, Mar. 3-4, 2005. JP
  133. IWRM in GEF-supported international waters and their transboundary basins. International Conference on Integrated Water Resources Management. Japan Water Forum, Tokyo, Japan, Dec. 6-9, 2004. JP
  134. Strengthening transboundary waters management (TWM) via information sharing and learning among stakeholders. Transboundary Impact Assessment Study Group (3rd Meeting), Hosei University, Tokyo, Japan, Sep. 9, 2004. JP
  135. International waters management for the Shatt Al-Arab River Valley [the Tigris, Euphrates and their confluence]. Experts Meeting on the Euphrates/Tigris River Basin Management. UNU, Tokyo, Japan, Sep. 6-7, 2004. JP
  136. Public participation and water governance: observations and perspectives on traditional, IT and international approaches to public participation. Public Participation and Governance in Water Resources Management. Tokyo, Japan, Oct. 8-9, 2003. JP
  137. La gestion du littoral à la Chesapeake Bay: de la fertilisation aux algues malfaisantes. [Chesapeake Bay coastal zone management: fr. fertilization to harmful algal blooms.] BORDOMER'97, Bordeaux, France, Oct. 27-29, 1997. FR
  138. Le Programme de Chesapeake Bay des 1983: de la recherche à la réalisation. [Chesapeake Bay Program since 1983: research to fruition.] Programme Rade de Brest: Bilan des Expériences Pilotes, Brest, France, Sep. 23-25, 1996. FR
  139. Extending participation in ecological issues beyond the classroom. Panelist for "Innovative collaboration: student-faculty partnerships explore curriculum development." AAAS Annual Meeting and Science Innovation Exposition: Where Science Comes to Life, Baltimore, MD, Feb. 8-13, 1996.
  140. On-line resources for Chesapeake Bay education, networking, and stream monitoring. MAEOE 1996 Symposium, Baltimore, MD, Feb. 2-4, 1996.



141. Spinning environmental education on the Web. Science, Innovation, and Stewardship: Virginia's 6<sup>th</sup> Annual Environmental Education Conference, Crystal City, VA, Aug. 9-10, 1995.
142. Fluxes and uncertainties in the nitrogen budget of the Rhode River watershed. Smithsonian Environmental Research Center, Edgewater, MD, Nov. 5, 1994.
143. Optimizing environmental decisions via new information technology. IEEE International Symposium on Technology and Society, Washington, DC, Oct. 22-23, 1993.

## CONTRIBUTED PRESENTATIONS

1. Dripps, W., Hansen, B., R., and **D. Sklarew**. 2020. Integration of the SDGs across curricular / co-curricular programs: shared best practices. Global Conference on Sustainability in Higher Education. Online, Oct. 20-22.
2. Feldman, I. and **D. Sklarew**. 2019. Teaching to the SDGs: experience and resources for business and sustainability curricula. AASHE 2019 – Co-Creating a Sustainable Economy, Spokane, WA, Oct. 27-30.
3. Rhoades, B., H. Nguyen, E. Wigode, **D. Sklarew**, and G. Foster. 2019. Microplastics in the tidal freshwater Potomac River. OSCAR Summer Celebration of Student Scholarship and Impact, Fairfax, VA, Aug. 9. (poster)
4. Nguyen, H., Rhoades, B., E. Wigode, G. Foster and **D. Sklarew**. 2019. Microplastics' composition and role as vectors for persistent organic pollutants (POPs). OSCAR Summer Celebration of Student Scholarship and Impact, Fairfax, VA, Aug. 9. (poster)
5. Peters, D., **D. Sklarew**, and G. Foster. 2019. Microplastic abundance highest near urban area. Mid-Atlantic Marine Debris Summit, Arlington, VA, June 17-19. (poster)
6. **Sklarew, D.** 2019. Of plastic nurdles and hungry dolphins in the tidal Potomac River. AERS Spring Meeting, Woodbridge, VA, Apr. 4-6.
7. **Sklarew, D.**, C. A. Nanni. M. Villanova, R. Mores, A. Weisman and R. Mangukiya. 2018. Campus action research advances Sustainable Development Goals. 2018 AASHE Conference & Expo, Pittsburgh, PA, Oct. 2-5.
8. **Sklarew, D.** 2018. Sustainable development by makers' social entrepreneurship. Mason Makers' Seminar, Fairfax, VA, Feb. 2.
9. **Sklarew, D.** 2017. Makers as social entrepreneurs for sustainable development. Mason Makers' Seminar, Feb. 3.
10. Sklarew, J., **D. Sklarew**, C. Reagle, P. Houser and V. Maggioni. 2016. Solving energy and water challenges: joint technological solutions. [Mason] Multidisciplinary Security Symposium, Fairfax, VA, Feb. 12. (poster)

11. Sklarew, J. and **D. Sklarew**. 2016. Energy and water access for all: challenges and potential solutions. The Food-Energy-Water Nexus: 16<sup>th</sup> National Conference and Global Forum on Science, Policy and the Environment, Washington, DC, Jan. 19-21. (poster)
12. **Sklarew, D.** 2015. Can sustainability science save the world? Environmental Science and Policy Fall Seminar Series, Mason, Fairfax, VA, Dec. 4.
13. **Sklarew, D.** 2015. Can science save the world? Mason Earth Day Flash Lectures, Fairfax, VA, Apr. 22. URL: <https://youtu.be/TVWHLrDfBIk>
14. Wingfield, A. and **D. Sklarew**. 2013. Cultivating sustainability studies scholars. AASHE 2013: Resiliency and Adaptation, Nashville, TN, Oct. 6-9. (poster)
15. Perez, N., L. Harmon, **D. Sklarew**, and E.C.M. Parsons. 2013. A novel qualitative evaluation tool to assess student attitudes during an overnight environmental education experience. George Wright Society Conference on Parks, Protected Areas, and Cultural Sites, Denver, Mar. 11-15.
16. Smith, K. and **D. Sklarew**. 2013. A Mid Atlantic brook trout (*Salvelinus fontinalis*) sustainability statistic for rating streams. Annual Meeting of the Virginia Chapter of the American Fisheries Society, Lexington, VA, Feb. 26-28.
17. **Sklarew, D.** 2012. Frontiers of sustainability science in the Potomac River Valley, part 1: Adaptive environmental management. ESP Dept. Seminar, Fairfax, VA, Nov. 27.
18. **Sklarew, D.** and R. Johnson. 2012. Bringing watershed stewardship to Virginia's school districts. 23<sup>rd</sup> Environment Virginia Symposium, Lexington, VA, Apr. 10-12.
19. Johnson, R. and **D. Sklarew**. 2011. Evaluation of a 6<sup>th</sup> grade environmental education experience in Virginia. North Am. Assoc. for Environmental Education [NAAEE] 40<sup>th</sup> Annual Conference, Raleigh, NC, Oct. 12-15.
20. **Sklarew, D.** 2011. Distance education to foster ecological wisdom with limited ecological footprint. NAAEE 40<sup>th</sup> Annual Conference, Raleigh, NC, Oct. 12-15. (poster)
21. **Sklarew, D.** 2011. Making meaningful watershed educational experiences happen: NOAA B-WET projects. NAAEE 40<sup>th</sup> Annual Conference, Raleigh, NC, Oct. 12-15. (roundtable format)
22. **Sklarew, D.** and M. Lo. 2011. Realizing sustainability across curricula and campuses, lessons from George Mason University in Northern Virginia. AASHE 2011: Creating Sustainable Campuses and Communities, Pittsburgh, PA, Oct. 9-12. URL: <https://hub.aashe.org/browse/presentation/10957/realizing-sustainability-across-curricula-and-campuses-lessons-from-george-mason-university-in-northern-virginia>
23. **Sklarew, D.** and R. C. Jones. 2011. In the context of climate variability, assessing trajectories from eutrophication to restoration over 25 Years in the tidal freshwater portion of the Potomac River Estuary. EMECS-9 Global Summit on Coastal Seas, Baltimore, MD, Aug. 28-31.
24. **Sklarew, D.**, C. Smith, R. Johnson, J. Green and J. Calhoun. 2011. Fostering Bay stewardship values, understanding and action. EMECS-9 Global Summit on Coastal Seas, Baltimore, MD, Aug. 28-31.
25. Calhoun, J., J. Greene, R. C. Jones, **D. Sklarew** and C. Smith. 2011. From the mountains to the estuary: from the schoolyards to the bay. NSTA National Conference on Science Ed., San Francisco, CA, Mar. 10-13.
26. **Sklarew, D.** and T. A. Guingab. 2010. Distance education: accessibility of online content for individuals with hearing impairments. Access, Employment and Learning, Fairfax, VA, Oct. 13.
27. **Sklarew, D.** and J. Sklarew. 2009. Relating greenhouse gas emissions to sustainable development. 3<sup>rd</sup> Annual Behavior, Energy and Climate Change Conference, Washington, DC, Nov. 15-18. (poster)
28. **Sklarew, D.**, R. Johnson and L. Storm. 2009. Changing culture and behavior to achieve climate neutrality on campus. Third Annual Behavior, Energy and Climate Change Conference, Washington, DC, Nov. 15-18.

29. Sklarew, D., R. Lacouture and R. C. Jones. 2009. A retrospective analysis of nitrogen removal eutrophication risk for the Freshwater Potomac Estuary. *Estuaries and Coasts* in a Changing World - Coastal and Estuarine Research Federation 20th Biennial Conference, Portland, OR, Nov. 1-5. (poster)
30. Sklarew, D. 2009. From Malthusian overfishing to marine mutualism: an introduction. International Marine Conservation Congress, Fairfax, VA, May 20-24.
31. Wingfield, A., D. Sklarew, and S. deMonsabert. 2009. Innovations in teaching: Incorporating sustainability into the curriculum. ITL, Fairfax, VA, Apr. 29.
32. Sklarew, D. and R. C. Jones. 2008. Recent relations between climate variability, nutrient management and summer eutrophication in the tidal freshwater Potomac River near Gunston Cove. 60<sup>th</sup> Anniversary Meeting of the Atlantic Estuarine Research Society, Fairfax, VA, Nov. 7, 2008.
33. Sklarew, D. and M. Hatzioios. 2006. Guiding schools of projects to adaptively manage international waters. International Tropical Marine Ecosystem Management Symposium (ITMEMS) 3, Cozumel, Mexico, Oct. 19. MX
34. Sklarew, D. 2006. GEF perspectives on Large Marine Ecosystem (LME) management. Workshop on Sustainability of Large Marine Ecosystems: Bridging the Governance and Socio-Economic Gap. NOAA and Coastal Resources Center, University of Rhode Island, Newport, RI, Mar. 6-10.
35. Sklarew, D. 2006. IW:LEARN services for LMEs. Workshop on Sustainability of Large Marine Ecosystems: Bridging the Governance and Socio-Economic Gap. NOAA and Coastal Resources Center, University of Rhode Island, Newport, RI, Mar. 6-10.
36. Sklarew, D. 2006. GEF International Waters projects engaging decision-makers and the public. Third Global Forum on Oceans, Coasts and Islands. Paris, France, Jan. 22-27. FR
37. Sklarew, D. 2005. Use of information management and public participation by GEF International Waters projects. Workshop on information management and public participation in transboundary water cooperation. United Nations Economic Commission for Europe, St. Petersburg, Russia, June 8-10. RU
38. Sklarew, D. 2003. From data flows understanding... an introduction to making water data accessible and enlightening. The Sixth Water Information Summit (Breaking the barriers: Let water information flow), Delft, Netherlands, Sep. 9-12. NL
39. Sklarew, D. 2003. International waters knowledge management: High and low technology approaches to matching stakeholders' needs with available water management expertise. The Sixth Water Information Summit (Breaking the barriers: Let water information flow), Delft, Netherlands, Sep. 9-12. NL
40. Sklarew, D. 2003. The GEF International Waters Learning Exchange and Resource Network – promoting knowledge sharing and public involvement. Improving Public Participation and Governance in International Watershed Management (symposium), Charlottesville, Virginia, Apr. 18-19. (poster)
41. Sklarew, D. 2000. International Waters: LEARN. The Global Environmental Facility International Waters Conference, Budapest, Hungary, Oct. 14-18. HU
42. Sklarew, D. 2000. Building a global knowledge community to protect lakes, river basins, coasts, and oceans. Third Water Information Summit: Status, Challenges, and Future Opportunities of Internet-Based Communications Supporting Sustainable Water Resources Management, Miami, FL, Nov. 3-5.
43. Sklarew, D. 2000. Considering hydrodynamics in the development of adaptive TMDLs for Virginia's rivers and streams. Virginia Millennium Water Conference 2000, Fredericksburg, VA, Mar. 12-14.
44. Sklarew, D. 2000. Tracking effects of best management practices on nutrient loading in Virginia's watersheds. Virginia Millennium Water Conference 2000, Fredericksburg, VA, Mar. 12-14.
45. Sklarew, D. 1999. Tomorrow's green fuel cell society. Science and Social Responsibility in the New Millennium – Student Pugwash USA's 20th anniversary international reunion conference, San Diego, CA, June 28-July 4.

46. **Sklarew, D.** 1998. An adaptive mass balance model of nutrient pollution and attenuation in the tidal Potomac River estuary. International Society for Ecological Modeling'98, Baltimore, MD, Aug. 2-6.
47. **Sklarew, D., S. Islam, and R. C. Jones.** 1998. Impacts of large-scale wastewater denitrification on summer water quality and algal community structure in the tidal freshwater Potomac estuary. Ecological Society of America Annual Meeting, Baltimore, MD, Aug. 2-6.
48. **Sklarew, D.** 1998. Policies under pressure: early governmental responses to the harmful algal bloom, *Pfiesteria piscicida*. The 4th Marine and Estuarine Shallow Water Conference - Users and Regulators Seeking Consensus, Atlantic City, NJ, Mar. 15-19.
49. **Sklarew, D.** 1998. Trajectories of eutrophication and restoration in the tidal Potomac River (1985-1997). The 4th Marine and Estuarine Shallow Water Conference - Users and Regulators Seeking Consensus. Atlantic City, NJ, Mar. 15-19.

50. Sklarew, D., and R. C. Jones. 1997. Inter-annual changes in water quality along the Potomac River estuary: implications for nutrient management. Estuarine Research Federation's 14th International Conference. Providence, RI, Oct. 12-16.
51. Sklarew, D., and R. C. Jones. 1997. Factors affecting inter-annual water quality changes in the upper Potomac estuary. Atlantic Estuarine Research Society 97<sup>th</sup> Meeting, Cape Charles, VA, Feb.
52. Sklarew, D. 1996. Water resource conflicts in the Potomac River Basin. The 8th Annual Student Conference on Peacemaking, Diversity, and Social Change. Washington, DC, Feb. 24.
53. Sklarew, D. 1995. Management of estuarine nitrogen pollution: a case study from the Chesapeake Bay. Nitrogen, Environment, and People - An International Conference. Everett, WA, Feb. 23-24.
54. Sklarew, D. 1994. On-line public access to ecological resource information: An environmental networking initiative. Environment Virginia '94 Conference. Lexington, VA, Apr. 7-8.
55. Sklarew, D. 1993. Improving the utility of Fairfax County's Ecological Resource Inventory through government-university information barter. Testimony to EQAC. Fairfax, VA, Nov. 8.

## INTERVIEWS AND MEDIA APPEARANCES

1. Rich, C.K. 2021. Environmental science class puts sustainability in action. The George, May 7. URL: <https://www2.gmu.edu/news/2021-05/environmental-science-class-puts-sustainability-action>
2. Jackson, A. 2018. C4S and APWA mid-Atlantic chapter hold joint meeting in Virginia, focused on collaboration. APWA Reporter, May, pp. 15-17. URL: [https://www.apwa.net/Library/Reporter/201805\\_ReporterOnline.pdf](https://www.apwa.net/Library/Reporter/201805_ReporterOnline.pdf)
3. McLean, B. 2017. Mason earns international gold status for sustainability report. News at Mason, Dec. 4. URL: <https://www2.gmu.edu/news/493181>
4. Worker, A. 2017. County pursues environmental goals. Fairfax Connection, July 27, p. 3.
5. Rogers, A. 2017. Where cars park, green roof grows. Mason Spirit, Summer, p. 8.
6. Dobrović, K. and A.K. Smith. 2017. Make a difference. URL: <https://youtu.be/k-Fdsrkz-N0> (video)
7. Rogers, A. 2016. Mason grads provide sustainable investment option for faculty, staff. News at Mason, Nov. 16. URL: <https://www2.gmu.edu/news/311786>
8. Middleton, I. 2016. Sustainable Scoop 2016-04-20. Arlington Weekly News, Arlington Independent Media [AIM], Apr. 20. URL: <http://www.youtube.com/watch?v=mkUgMF4TNpM>
9. West, A. 2016. Eco issues in the Potomac lead into Earth Day. Northern Virginia Magazine, April, p. 14.
10. Flores, L. 2015. Un problema critico: encasoz de agua. [A critical problem: water shortage.] El Economista.com, Aug. 30. URL: <http://bit.ly/1KncJqy> MX
11. Anonymous. 2015. Advierte especialista sobre falta de regulaciones en fracking. [Specialist warns about lack of regulation for fracking.] Universidad de Monterrey Noticias, Aug. 17. URL: <http://bit.ly/1Liydlg> MX
12. Buendía, A. 2015. Urge sustentabilidad a negocios sociales. [Urging sustainability for social enterprises.] ElNorte.com, Aug. 14. URL: <http://bit.ly/1WWtVXr> MX
13. Buendía, A. 2015. Es agua oportunidad de negocio? [Is water a business opportunity?] ElNorte.com, Aug. 14. URL: <http://bit.ly/1gLdQ5M> MX
14. Gennari, M. 2015. Sustainable Scoop 2015-04-22. Arlington Weekly News, Arlington Independent Media (AIM), Apr. 22. URL: <http://youtu.be/CUfY5dIzyg4>
15. Gilbert, N. 2015. SDGs ignore threat of fertilizer overuse. SciDevNet, Mar. 31. URL: <http://bit.ly/1NDLh5Q>

16. Wilson, J. 2014. Tangier Island celebrates tradition of the past with a wary eye to the future. WAMU (88.5 FM) Metro Connection, Dec. 19. URL: <http://www.tinyurl.com/wamu-mc>
17. Anonymous. 2014. George Mason University starts small, dreams big about solving global problems. *Internationalizing the Campus 2014*. NAFSA Association of International Educators: Washington, DC.
18. Kamath, S. 2014. Mason's Global Problem Solving Consortium in national spotlight. George Mason University News, Nov. 21. URL: <http://activity.scar.gmu.edu/articles/mason%E2%80%99s-global-problem-solving-consortium-national-spotlight>
19. GMU Creative Services. 2014. Ideas into action. URL: <http://youtu.be/XROCdQIOt4M> (video)
20. Kamath, S. 2014. Ideas into action: Institute gives elementary teachers hands-on science skills. George Mason University News, July 17. URL: <https://www2.gmu.edu/news/1304>
21. Kamath, S. 2014. Mason-launched Solving Consortium tackles food supply issue. George Mason University News, July 11. URL: <https://www2.gmu.edu/news/1790>
22. Spinelli, L. 2014. Climate change could affect drinking water. The Connection, July 2. URL: <http://goo.gl/dsLxnq>
23. Suiters, K. 2014. Arlington Green Patriot Awards. CBS Radio/All News 99.1 FM WNEW, Apr. 22.
24. Arlington Public Schools. 2014. Green Scene previews Operation Rain Barrel. APS Green Scene, Apr. 4. (video) URL: <http://bcove.me/wu3kgh9c>
25. Hancock, S. 2013. George Mason University world-class environmental research and education laboratory: the Potomac River and Chesapeake Bay watersheds. Emerald Planet TV, Nov. 10. (video) URL: <https://youtu.be/0092zIGG2KU?t=1815>
26. Laskowski, T., 2013. GPS sustainability fellows explore water management issues in workshop. George Mason University News, Sep. 3. URL: <https://www2.gmu.edu/news/1819>
27. Anonymous. 2012. Prof. Sklarew had a unique lecture at SungKyunKwan University. George Mason University Korea Initiatives, Aug. 30. (Adapted from Korean article below) KR
28. Bak, P. 2012. 한국인들처럼 막 버리면 지구 2.5 개 있어야 감당. [If people world-wide threw away trash like Koreans, we would need 2.5 planets.] Dong-A Ilbo, Jul. 18. URL: <http://news.donga.com/3/all/20120718/47843376/1> KR
29. Peterson, D. 2012. George Mason program monitors wastewater in Potomac and Chesapeake and educates kids. Washington Post, June 12. (Features our B-WET project) URL: <http://tinyurl.com/wapo-nova-kids>
30. Sawahel, W. 2012. University leaders worldwide sign sustainability declaration. University World News issue 223, May 25. URL: <http://www.universityworldnews.com/article.php?story=20120525093416419>
31. Anonymous. 2012. Naturalist honored with first GMU 'Green Patriot Award.' Sun Gazette, May 4.
32. Parker, B. 2012. Flash lectures popping up at George Mason University. Fox 5 News, Apr. 19.
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42. Dorfman, N. 2011. Coming this fall: concentration in energy and sustainability. Broadside, Mar. 7. URL: <http://broadsideonline.com/2011/03/07/coming-this-fall-concentration-in-energy-and-sustainability-3022>
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44. Warren, J. 2010. Keeping a watchful eye on ecosystems. Periodic Elements from the College of Science (Special Biodiversity Issue) 3:8. URL: <http://cos.gmu.edu/periodic-elements>
45. Warren, J. 2010. B-WET program connects students to the Bay. Periodic Elements from the College of Science (Special Biodiversity Issue) 3:8. URL: <http://cos.gmu.edu/periodic-elements>
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48. Silton, M. 2010. Earth Day field trips. For Push-Pause on Verizon channel FIOS1, multi-date.
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50. Herron, R. 2010. Blizzard tales: Mason employees, students face challenges during record snowstorms. Mason Gazette, Feb. 23.
51. Andrews, D. 2010. Climate action plan outlines climate neutrality at Mason. Mason Gazette, February 15.
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URL: <http://eagle.gmu.edu/newsroom/766>
55. Laskowski, T. 2009. Learning to love the Chesapeake Bay watershed. George Mason University News, June 8. URL: <http://news.gmu.edu/articles/216>

## CURRICULUM DEVELOPMENT

- |             |   |
|-------------|---|
| 2020        | Contributed to design of intercollegiate Climate Action minor   |
| 2020        | Created proposal for new "Undergraduate Seminar for Environmental Science" (EVPP 495)   |
| 2017 - 2019 | Co-designed inter-collegiate "Action Research for Social Change and/or Environmental Sustainability" course for Graduate Certificate in Action Research for Social or Ecological Impact |
| 2016        | Developed Sustainability Engagement Series pathway through Mason Core (general education)   |
| 2015 - 2016 | Contributed to curricular redesign for MAIS Energy and Sustainability [EAS] and SE concentrations   |
| 2015 - 2018 | Provided sustainability part to annual "Maker's Seminar" (UNIV 391) development and delivery  |

- 2010 – 2015 Co-designed and launched Sustainable Enterprise undergraduate minor
- 2011 – 2015 Revised sustainability studies capstone, EVPP 480, to apply action research to realize Students as Scholars learning outcomes for Scholarly Inquiry
- 2012 – 2015 Developed annual graduate seminar integrated with the public Managing Our Planet panel discussion series, co-organized by the Woodrow Wilson Center and Mason
- 2015 Co-created graduate “Energy Policy” (EVPP 533) as new core course for MAIS EAS concentration
- 2015 Proposed and advised design for graduate-level “Sustainable Development” (GGS 507) course
- 2013 – 2014 Co-created “green leaf” Bachelor’s/ESP, Accelerated M.S. degree program
- 2014 Led design of policy and social science part of new core course, “Environmental Science: Biomes and Human Dimensions” (EVPP 302) for Environmental Science Bachelor of Science.
- 2010 – 2013 Redesigned “Sustainability in Action” (EVPP 480) to serve as Mason Core-Synthesis course
- 2012 – 2013 Created Business and Sustainability concentration for Environmental and Sustainability Studies [ESS] B.A. degree program
- 2011 – 2012 Led integration of sustainability into Mason Core Natural Science learning outcomes
- 2011 Advised design of “Ecological Sustainability” (EVPP 378) course
- 2010 Created graduate seminar exploring environmental education’s role in supporting society’s ecological adaptation and stewardship
- 2008 – 2010 Redesigned EVPP 677 to serve as Masters of Environmental Management capstone
- 2009 – 2010 Developed distance education and hybrid (face-to-face plus DE) versions of EVPP 607
- 2008 – 2010 Contributed to creating new academic programs: ESS B.A., Sustainability Studies minor, MAIS EAS concentration, Environmental Conflict Resolution graduate certificate
- 2009 Created charrette-style graduate seminar to inform Mason’s first Climate Action Plan
- 2009 Redesigned EVPP 626 for students synthesizing original material into a wiki-based “textbook”
- 2009 Advised design of wiki-based undergraduate seminar on environment and development in Asia
- 1995 Assisted design of EVPP 991 seminar on environmental conflict resolution
- 1994 – 1995 Created standalone PAGE 252 section, “Ecology, Technology and Choice”

## TEACHING EXPERIENCE

### Lecture Courses

- BIOL/EVPP 350 Freshwater Ecosystems (also supervised and co-delivered laboratory sections)
- BIOL/EVPP 607 Fundamentals of Ecology
- EVPP 322 Business and Sustainability – see Twitter [#evpp322](#) for related content
- EVPP 336 Human Dimensions of the Environment (focus: water management and sustainability)
- EVPP 480 Sustainability in Action (capstone for two environmental majors) – see Twitter [#evpp480](#) for highlights
- EVPP 626 Environment and Development in South and East Asia
- EVPP 677 Applied Ecology and Ecosystem Management (MS concentration capstone)
- PAGE 120 Computers in Contemporary Society (team-taught lectures with linked laboratory sections)
- PAGE 252 Decision Making and Our Choice of Technologies (focus: “ecology, technology and choice”)
- At Sungkyunkwan University, Seoul: Environmental Stewardship and the Role of the Corporation KR



## Seminar Courses

- CONF 695/EDRS 797/EVPP 505/POGO 750 Action Research for Social Change and/or Environmental Sustainability (an intercollegiate, team-taught workshop)
- EVPP 490 Reducing our Carbon Footprints (contributed to Mason's first Climate Action Plan)
- EVPP 490/505 Energy and Climate Action Planning (drafted Mason's second Climate Action Plan)
- EVPP 490/505 Pursuing Ecological Justice: Environmental Science and Policy for All
- EVPP 490/692 Sustainability Planning for Communities (drafted Mason's first Strategic Plan for Sustainability)
- EVPP 490/692 Tidal Potomac River Ecosystem Health and Recovery
- EVPP 505 Sustainability Science
- EVPP 692/991 Climate Action Planning and Energy Strategies (contributed to Mason's first Climate Action Plan)
- EVPP 692/991 In Search of Symbiosis: Ecological Facilitation the Potomac River Valley
- EVPP 692/991 Environmental Education for Ecological Adaptation and Stewardship
- EVPP 692/991 Managing Our Planet – see Twitter [#ManagingOurPlanet](#) for highlights
- UNIV 391 Makers' Seminar (an intercollegiate, team-taught workshop)

## Laboratory Sections

BIOL 104 Contemporary Biology

BIOL 307 Ecology

BIOL 650 Environmental Analysis and Modeling

EVPP 110 The Ecosphere: An Introduction to Environmental Science

## Directed Studies, Research, Projects and Internships

EVPP 395 Undergraduate Research in Environmental Science and Policy

EVPP 396 Directed Topic in Environmental Science and Policy

EVPP 693 Directed Studies in Environmental Science and Public Policy

EVPP 793 Research in Environmental Science and Policy

EVPP 798 Master's Research Project in Environmental Science and Public Policy

EVPP 799 Master's Thesis in Environmental Science and Public Policy

EVPP 894 Supervised Internship

EVPP 998 and 999 Doctoral Dissertation Proposal and Dissertation Research

MAIS 798 Interdisciplinary Studies Project

## GRADUATE STUDENT SUPERVISION

### Completed

#### *Advisor/Committee Chair*

1. Mangukiya, Rupal. 2020. *The relationship between economic and non-economic aspects of sustainable development at sub-national scales within the United States of America*. Environmental Science and Public Policy [ESPP] Ph.D. IN (Rec'd TWC GRAs hip, ESP GTAs hip, ESP GTA of the Year for 2017, and Talbot Scholarship)
2. Carpenter, Adam. 2019. *A framework for locally driven sea level rise policy and action*. ESPP Ph.D. (Energy and Environmental Policy Manager at American Water Works Association; received inaugural Averett Tombes Award)
3. Harper, William. 2018. *Analysis of Environmental Considerations and Impacts at Fabboli Cellars Vineyard, Leesburg, Virginia*. ESP M.S. project. (NEPA Program Manager at Army National Guard Environmental Program)
4. Metcalf, Carolyn. 2018. Social Entrepreneurship Masters of Interdisciplinary Studies [SE MAIS] project. *Social Marketing for Green Buildings*.
5. Richards, Allison. 2016. *Physical, Regulatory and Reputational Water Risks as Predictors of Water Stewardship Among Global Corporations*. ESPP Ph.D. JM (Senior Business Analyst at Charter Communications; rec'd Talbot Scholarship, Mason Sustainability and Time Warner Cable GRAs hips)
6. Schell, Robin. 2016. *Pet Project – a Social Enterprise Promoting Symbiotic Relationships Between Companion animals and Humans*. SE MAIS project. (Communications Specialist at Northern Virginia Mediation Service)
7. Thompson, Ashley. 2016. *Aspire Athletics* (a lean business plan). SE MAIS project. (Contract Specialist at United States Forestry Service)
8. Castellano, Danielle Wyman. 2015. *Sustainable Food Systems for Metropolitan College and University*

*Campuses in the United States*. Individualized Studies MAIS project.

9. Milton, Ashley. 2015. *Forest Resilience for Livelihoods and Ecosystem Services*. ESPP Ph.D. (Project Specialist for Environmental and Public Health at University of the District of Columbia; rec'd doctoral Fulbright Fellowship to Democratic Republic of the Congo, TWC and Mason Sustainability GRAships)
10. Pinidilli, Emily Knaus. 2015. *Economic Analysis of the Potential Contribution of Voluntary Nutrient Reductions from Agricultural Nonpoint Sources of Pollution in Virginia to the Chesapeake Bay*. ESPP Ph.D. (Natural resource economist at United States Geological Survey's Science and Decisions Center)
11. Ryan, Jeanne Michelle. 2015. *Histological and Geospatial Analysis of the Mystery Snail (*Bellamya spp.*) Populations in the Potomac and Occoquan Rivers, Utilizing Citizen Scientists*. ESPP Ph.D. (Operations Dir. at Jacobs, Inc.; rec'd Provost PhD Grant for Research Funds, Occoquan Water Trail League research grant)
12. Tucker, Erik. 2015. *Enabling NASA Supply Chain Environmental Risk Management through Federal Database Integration within the GRI Sustainability Framework*. ESP M.S. project. (Leidos engineer)
13. Schneider, Thomas D. 2014. *Rooftop Roots Business Plan*. ESP M.S. project. (Emergency Management Analyst at CSRA and Executive Director of non-profit Rooftop Roots)
14. Kinne, Lauren Walsh. 2013. *Implementation of Meaningful Watershed Education Experiences (MWEEs) by Middle School Life Science Teachers*. ESP M.S. Award: ESP Thesis of the Year for 2013-2014. (FCPS high school Biology Team Leader, Biology and International Baccalaureate (IB) Biology teacher)
15. Bair, Ross. 2013. *Relating Environmental Literacy to Standards of Learning Biology and Earth Science: A Case Study from Prince William County, Virginia, USA*. ESP M.S. (Kaohsiung American School DP and AP biology teacher, Taiwan)
16. Mushkolaj, Iliriana. 2013. *The Science-Policy Interface for Developing Climate Change Adaptation Strategies in Maryland, USA*. ESPP Ph.D. xk (EPA Office of Water Physical Scientist; rec'd Provost's Dissertation Completion Grant)
17. Yusuf, Mohamed Ashiq. 2013. *Effects of Stakeholder Involvement in Reduction of Sedimentation in Northern Virginia Streams*. ESPP Ph.D. mu (US Dept. of State Water Quality Specialist), co-chair
18. Johnson, Robert A. 2011. *An Evaluation of an Environmental Education Experience for all 6<sup>th</sup> Grade Students in Prince William County Public Schools, Virginia*. ESP M.S. (Director of Sustainability, Northern Virginia Community College)
19. Krell, Misty Hensley-McGaffey. 2011. *Developing Evidence-Based Practices for the Environmental Education Program at the EDGE*. Individualized Studies MAIS. Award: Top MAIS Project for 2011. (Student Services Coordinator for the School for Integrative Studies at Mason), co-chair
20. Smith, Albert Kirk. 2011. *A mid-Atlantic Stream Suitability Index for Brook Trout (*Salvelinus fontinalis*)*. ESPP Ph.D. (FCPS high school Biology teacher and NVCC adjunct faculty)
21. Crane (Cordes), Joyce A. 2010. *Keiko: A Case Study of Releasing a Killer Whale from Captivity*. ESP M.S. project.

Directed Studies in Environmental Science and Public Policy [EVPP 693]:

1. Bodner, Christopher and Doreen Peters. 2019. *Microplastics in the Chesapeake Bay: knowledge, gaps and goals*.
2. Beyer-Wait, Susie. 2015. *Leading sustainability action*.
3. Metcalf, Carolyn. 2015. *Integrating sustainability into urban development*.
4. Shupe, Holly. 2015. *Permaculture systems for sustainable landscapes and food security*.
5. Milton, Ashley. 2014. *Deforestation in Central Africa*.
6. Pindilli, Emily. 2013. *Nonpoint source pollution mitigation*.
7. Richards, Allison. 2012. *Sustainable development in the Indigo Maiz Biological Reserve, Nicaragua*. JM

8. Aziz, Maheen. 2011. *Advancing sustainability in the healthcare industry*. (Inova research assistantship)
9. Hruska, Jessica. 2011. *The importance of stewardship [Stonewall Jackson High School, VA, case study]*.
10. Richards, Allison. 2011. *Sustainable enterprise management*. JM
11. Chan, Steffanie. 2010. *Policy trends and social-political framing in environmental education*.
12. Chhabra, Sonal. 2010. *Green-age Corporation [triple bottom line business plan]*. IN
13. Gaines, Jennifer. 2010. *An energy efficiency policy for George Mason University buildings*.
14. Nieves-Munoz, Waleska. 2010. *How can we [at the EPA] better reach Hispanic communities?* PR
15. Fusaro, Francesca. 2009. *Uranium mining and its effects on human health and environment. Case study: the uranium deposit of Coles Hill, Virginia*. IT
16. McAbee, Sara. 2009. *McAbee Environmental [triple bottom line] business plan*.
17. Novkovic, Nevena. 2009. *The impact of organochlorines, PCBs and DDTs on cetaceans*. RS
18. Shreekanth, Natasha. 2009. *Transport-related greenhouse gas reductions [at Mason]*. IN
19. Stribley, Todd. 2009. *From Malthusian overfishing and globalism to marine mutualism*.

Research in Environmental Science and Public Policy [EVPP 793]:

1. Mangukiya, Rupal. 2016. *Effects of land-use change on water quality in the Shenandoah watershed*. IN
2. Castellano, Danielle Wyman. 2014. *Campus-based sustainable food production*.
3. Milton, Ashley. 2014. *Sustainable forest management*.
4. Pindilli, Emily. 2014. *Pollution control cost analysis*.
5. Richards, Allison. 2014. *Integrating corporate and national water management for sustainability*. JM

Supervised Internship [EVPP 894]:

Dustin Adams. 2015. *Integrating sustainability and environmental health management systems on campus*.

Committee Member

1. Tay, Derric. 2020. *Forest protection benefits of Costa Rica's Payment for Environmental Services program*. ESPP Ph.D.
2. Palmer, Ashley. 2019. *Connecting K-12 teachers to environmental research*. ESP M.S.
3. Sachs, Andrew. 2019. *Assessing the thermal performance of green roofs and the influence of solar panels*. ESP M.S.
4. Smith, Kelsey. 2019. *A minimally destructive method for ancient DNA extraction from narwhal tusk material*. ESP M.S.
5. Shrestha, Ranjay. 2017. *A Remote Sensing-Derived Corn Yield Assessment Model*. Geogr. and Geoinfo. Sci. Ph.D. NP
6. Tracy, Sean. 2017. *Inclusion of Environmental Education into Public School Curricula*. ESPP Ph.D.
7. Butt, Myra. 2016. *An Additionality Approach to Global Blue Carbon Conservation*. ESP M.S.
8. Chambati, Memory. 2016. *The Midas Touch of an Empowered African Woman*. SE MAIS project. ZW
9. Durham, Melissa. 2016. *The Arab League's Role in International River Water Conflict and Cooperation. Conflict Analysis and Resolution [CAR] Ph.D.*
10. Friesner, Richard. 2015. *Adaptive Management in the Chesapeake Bay TMDL Program: How do Local Watershed Managers Address Uncertainty and Use Adaptive Management?* ESPP Ph.D.

11. Keltner, Susan. 2015. *The Effects of Gain- and Loss-Framed Messages When Paired with a Social Norm in Altruistic Settings on Motivating Energy Conscious Behavior Change*. ESPP Ph.D.
12. Stickel, Wendy. 2013. *Improving Outcomes in Management of Common Pool Resources: What Can Donors Learn from "Commons" Scholarship?* ESP M.S. project.
13. Akerlof, Karen. 2012. *Risky Business: Engaging the Public in Policy Discourse on Sea-Level Rise and Inundation*. ESPP Ph.D.
14. Perez, Natalie. 2012. *A Qualitative Evaluation Tool for Elementary Student Attitudes During an Overnight Environmental Education Experience*. ESP M.S.
15. Tracy, Sean. 2012. *Understanding Conservation: A Study of Student Attitudes and Understanding of the Effects of Human Activities on Global Ecosystems*. ESP M.S.
16. Bhattarai, Sameer. 2011. *Response of Streams to Land Use and Urban Best Management Practices in the Piedmont Region of Virginia, USA*. ESPP Ph.D. IN
17. Biddle, Jennifer. 2011. *Does Collaborative Governance Lead to Environmental Improvements? The Critical Elements Affecting Watershed Partnerships' Capacity to Achieve Their Goals*. ESPP Ph.D.
18. Hammond, Damien. 2011. *Detection of Hydrophobic Organic Contaminants in the Occoquan Watershed using In Situ Passive Samplers*. ESP M.S.
19. Fisher, Joshua. 2010. *The Ecological Correlates of Armed Conflict: a Geospatial and Spatial-Statistical Approach to Conflict Modeling*. CAR Ph.D., Mason.
20. Storm, Lenna. 2010. *Prioritizing Sustainability Projects with Low Market Value in Institutions of Higher Education: A Green Roof Case Study*. ESP M.S.
21. Duray, Amy. 2009. *Environment and Development in East and Southeast Asia*. ESP M.S. project.

## In Progress

### Advisor/Committee Chair

1. Bair, Ross. Advanced to candidacy, ESPP Ph.D., expected graduation: Dec. 2021. Topic: *Moral foundation theory as an explanation for action in a [natural resource] commons dilemma*.
2. Poole, Christophe. Active, ESP M.S., expected grad.: May 2022. Topic: TBD. (USGS Graduate Research Fellow)
3. Peters, Doreen. Active, ESPP Ph.D., expected grad.: May 2023. Topic: *Dragonfly exuviae as POPs bioindicators*. (Dragonfly Society of America Odonata Research Grant)
4. Golden, Jazmin. Active, ESP M.S., expected grad.: Dec. 2024. Topic: TBD.

### Committee Member

1. Schmidt, Stephanie. Advanced to candidacy, ESPP Ph.D., expected grad.: Dec. 2022. Topic: *Assessing urban wetlands*.
2. Balajapalli, Sudha. Advanced to candidacy, ESPP Ph.D., expected grad.: Dec. 2023. Topic: *Tiger poaching in India*.
3. Rohring, William. Advanced to candidacy, ESPP Ph.D., expected grad.: Dec. 2024. Topic: *Local climate adaptation*.

## UNDERGRADUATE STUDENT SUPERVISION

1. Grand Pre, Suzanne. 2021. *Enterprise climate action research*. (EVPP 395)
2. Bourg, Ashley. 2019. *Tick-borne disease prevalence in students after environmental education field experiences*. (EVPP 395)

3. Davies, Brian. 2019. *Analyzing microplastics in the tidal Potomac River*. (EVPP 396)
4. Nortz, Heather. 2019. *Marine debris reduction through sustainable waste management*. (EVPP 396)
5. Nguyen, Han. 2019. *Microplastic composition and role as vector for persistent organic pollutants (POPs) in river water*. VN (OSCAR Summer Research Team [SRT])
6. Rhoades, Ben. 2019. *Microplastics in the tidal Potomac River and embayment ecosystem*. (OSCAR SRT)
7. Hock, Dana. 2017. *Compost for campus sustainability*. (EVPP 396)
8. Nortz, Heather. 2017. *Ecological impact of select pharmaceuticals and personal care products as micropollutants in the tidal Potomac River*. (OSCAR SRT) See video at <https://www.youtube.com/watch?v=Ryug8p-Z0-0>
9. Taylor, Christophe. 2016. *Entrepreneurship for environmental sustainability*. (EVPP 396)
10. St. Laurent, Nicole. 2014. *Ecological stewardship and sustainability*. (EVPP 396)

#### *Co-curricular Mentor*

- Rhoades, Ben. 2019-2020. *Microplastic pollution and sustainability planning*. (EVPP 480, EVPP 490 and OSCAR SRT)
- Evans, Madeline. 2017-2018. *Minimizing human-wildlife conflict at George Mason University*. (EVPP 480 and UNIV 391)
- Garthee, Candace. 2017-2018. *Mason sustainable food forum*. (EVPP 322 and EVPP 480)

## SERVICE

### Academic Service

#### *External*

2015 – 2022	Sustainability advisor, International Advisory Board for Student Affairs, Universidad de Monterrey, Mexico MX
2018 – 2020	Board member, Student Pugwash USA [SPUSA]
2014 – 2016	Co-founding member, University Consortium for Environmental Education, seeking VA certification and teacher licensure endorsement for K-12 environmental education
2009 – 2012	Steering Committee member, etc., NoVA Outside Alliance of Environmental Educators
2011 – 2012	Sustainability in Higher Education session co-organizer, Environment Virginia Symposium
2010 – 2011	Regional roundtable organizer, facilitator and host, NOAA B-WET
2010	Adviser, UVA School of Architecture Comprehensive Studio [ARCH 8010]
2008 – 2009	Land-Sea Interface Review Chair, International Marine Conservation Congress
1988 – 2003	Various roles at local to national levels (e.g., Treasurer of Board of Directors, regional conference coordinator, chapter coordinator), SPUSA
1995 – 2000	Researcher and rapporteur, Tidal Potomac Integrative Analysis Project
1994 – 1995	Scientific Coordinator, The Ecotechnology Network

#### *Mason*

#### University

2019 – now Faculty advisor, Alpha Kappa Chi co-ed professional environmental fraternity, Mason chapter

2019 – now Member, Career Influencers Network, University. Career Services [UCS].

2019 – now Sustainability Policy Partner, AASHE-hosted DANS and HEASC

2021 – now Member, SVP’s Sustainable Operations Plan initiative.

2021 – now Co-founder and committee member, Mason Environmental Alumni Network [MEAN].

2020 – 2021 Member, Campus & Community Engagement Committee of President Washington's Anti-Racism and Inclusive Excellence Task Force [ARIE]

2010 – 2020 Founding Chair, Sustainability Studies Academic Council (2010-2012, 2015-2020)

2011 – 2020 Chair, Storm Sustainability Studies Scholarship Selection Committee (2011-2012, 2018+)

2018 – 2020 Steering committee member, BS degree in Biodiversity Conservation

2020 Member, Faculty Working Group of the Names and Pronouns Steering Committee

2015 – 2019 Member, Mason Sustainable Food Working Group

2018 – 2019 Steering committee member, Conservation X Labs’ Conservation 3.0 curriculum program

2019 Lead author/champion, “Sustain Our World: Preparing Students to Make Global Impacts”  
Quality Enhancement Plan (QEP) proposal

2019 Search committee member, Sustainability Program Manager, Office of Sustainability

2016 – 2018 Co-creator and advisor, Mason Core Engagement Series (ENCORE) for Sustainability, providing sustainability-focused paths through Mason’s general education curriculum, enhanced by co-curricular “Patriot Experience” activities and transcript recognition

2017 – 2018 Advised UCS on sustainability career resources for students and alumni

2017, 2018 Patriot Pack Out volunteer, diverting unwanted dorm room items from waste to charities

2018 Member, Innovations in Teaching and Learning 10<sup>th</sup> Conference Advisory Committee

2018 Faculty co-organizer, Green Jobs and Internships Week (Nov. 5-8)

Spring 2018 Participant, Mason Core assessment for Synthesis, Capstone, and Written Communication

2016 – 2017 Guest lecturer, Global and Community Health

2010 – 2014 Member, Advisory Council for the Mason Sustainability Institute

2013 – 2014 Conference committee member and panelist, Our Task Earth 2100 conferences: “Affecting Change, Defining our Futures, and Healing the Earth” (2013) and “Learn. Network. Act!” (2014)

2014 Member, Sustainability Advisory Committee for Mason Master Plan

2014 Guest lecturer, GPSC Global Food Security Workshop (at HSE, Moscow)

2011 – 2013 Member, GPSC Working Group

2012 – 2013 Faculty lead, GPSC Environmental Sustainability and Water Management Workshop

2013 Environmental session co-leader/panelist, UN Global Compact Symposium

2010 – 2012 Member, Associate Provost’s Distance Education Faculty Advisory Group

2010 – 2012	Member, Executive Steering Committee for Sustainability
2010 – 2012	Member, Provost’s Academic Council
2011 – 2012	Founding Faculty Co-Chair, Patriot Green Fund [PGF] Committee
2011	Panelist, Mason Public Policy Film Society inaugural event, “Energy Crossroads”
2009 – 2012	Planning committee member, event co-organizer, panelist, Mason Earth Week
2012	Secured Mason’s participation in Sustainability in Higher Education Initiative at Rio+20 and commitment to join UN Global Compact
2012	Search committee member, Sustainability Manager in Auxiliary Enterprises Division
2011	Author, Provost’s Vision for Sustainability in Academic Endeavors at Mason
2011	Creator of “green leaf” designation that highlights in Mason course catalog two dozen academic programs and over 120 courses related to sustainability studies
2011	Search committee member, Sustainability Outreach Coordinator, Office of Sustainability
2011	Member, Institutional Assessment Distance Education Course Portfolio Review Team
2009 – 2010	Guest lecturer in Conflict Resolution, New Century College, and Public Policy
2009 – 2010	Faculty lead, Mason Climate Action Plan Core Planning Committee
2009 – 2010	Member, Regional Campuses Environmental Coordination Group
2010	Initiated Mason as charter member of AASHE STARS sustainability reporting system
2010	Co-organizer of Mason’s first “Intercollegiate Energy Smack Down”
2010	Search committee member, Sustainability Project Manager, Office of Sustainability
2008 – 2009	Member and invited presenter, Sustainability Council
2008 – 2009	Mason Energy Roundtables co-founder, planning committee member and host
2009	Member, Science Programs Subcommittee for the Potomac Science Center
2009	Invited presenter, Center for Teaching Excellence and Distance Education Council
1994 – 2000	Chesapeake Bioregional Information Online Service (BIOS) creator, director
1997 – 2000 facilitator	Environmental Conflict Working Group co-founder, coordinator, and e-list
1997 – 1998 trainer	University Dispute Resolution Project Coordination Committee member and
1995 – 1997	Faculty Advisor, Student Pugwash at George Mason University

### College of Science

2020 – now	Member, Diversity, Equity and Inclusion Committee, Undergraduate Subcommittee
2015 – 2016	Chair, Faculty of the College of Science
2012 – 2015	Dean’s representative to Mason’s Sustainability Studies Academic Council
2014 – 2015	Chair <i>pro tempore</i> , Faculty of the College of Science
2010 – 2011	Guest lecturer, ESP and Physics
2011	Participant, General Education Learning Outcomes Workshops: Natural Science
2010	Panelist, Mason Center for Conservation Studies
2009, 2010	Session organizer and presenter, Advanced Hydrology and Climate Change Workshop
2009, then 2010	Workshop session facilitator then review committee, Curricular Innovations Grants



2009

Successful LEED Gold champion, Sustainability Committee for Exploratory Hall

## Department of Environmental Science and Policy (was Department of Biology until 2000)

2014 – now	Business and Sustainability concentration lead, ESS B.A
2021 – now	Course coordinator for all EVPP 322 and EVPP 480 sections (3-7 of each per year).
2021	Contributed environmental justice elements to ESP strategic plan
2021	Led 10-member ESP annual academic assessment team for BS, MS and PhD programs.
2018 – 2021	Academic advisor for 180+ Environmental Science B.S. degree students and
2017 – 2018 Symposium	Organized 1 <sup>st</sup> Tidal Potomac River Ecosystem Health and Recovery Research Symposium
2009 – 2017	Co-director, Sustainability Studies Minor program
2014 – 2015 <i>and Policy</i>	Contributed to drafting of <i>Vision, Mission and Values for Environmental Science and Policy</i>
2014 – 2015	Member, Graduate Executive Committee
2010, 2015	Contributing author, doctoral program improvement grant proposals
2014	Organized “Handling the Paper Load” workshop to efficiently assess student papers
2010 – 2012	Search committee member for Applied Fish Ecologist (assistant professor)
2009 – 2010	Course coordinator for freshwater ecosystems lecture and lab sections
2008	Co-developer, standardized learning outcomes evaluation instrument for SACS
2008 – 2010	Member, <i>ad hoc</i> website committee
Early 2000s	Alumni fundraiser, Francis D. Heliotis Memorial Graduate Research Award
Mid-1990s	Computing Specialist for Life Sciences and Institute for Global Change lab assistant

## Professional Service

2009 – now	Virginia’s appointed academic representative, Metropolitan Washington Council of Governments’ [MWCOG] Climate Energy and Environmental Policy Committee
2014 – now	GreenBiz Intelligence Panel member, GreenBiz Group, Inc.
2017 – now	NOVA Climate Resiliency Team member, Northern Virginia Regional Commission
2020 – now	Member, USEPA Chesapeake Bay Program Plastic Pollution Action Team
2018 – 2019	Host for the Chesapeake Bay Program’s first “Microplastics in the Bay” technical workshop
2018 – 2019	Host and planning committee member for the first Mid-Atlantic Marine Debris Summit, a partnership with NOAA, Virginia Dept. of Environmental Quality and Clean Virginia Waterways of Longwood University
2018 (Sep. 22)	“Plastic Free Forum” panelist, 350 Fairfax and Faith Alliance for Climate Solutions
2017	Panelist, Fairfax County Chairman Sharon Bulova’s Environmental Showcase (Jul. 22)
2017	Moderator for “Dialog and Difference: Climate Change,” School for Conflict Analysis and Resolution (now the Carter School), Mason (Apr. 26)
2010 – 2016	Mason representative to Arlington Chamber of Commerce Green Business Committee
2011 – 2016	Co-organizer, Mason-Wilson Center “Managing Our Planet” seminar series
2014 – 2016	Invited member, Arlington Public Schools [APS] Superintendent’s Advisory Committee on Sustainability
2010 – 2015	Non-governmental member, Global Oceans Forum Policy Advisory Board

2009 – 2014	Governor-appointed Alternate Commissioner, Potomac River Basin Commission of Virginia, an ICPRB state delegation
2011 – 2013	Mason liaison to Arlington County Community Energy Advisory Group
2013	Participant, University of Tokyo Consultation for Information Transparency and Decision Support System for Collaborative Management of International Waters JP
2013	Goodwill Ambassador to the Potomac's Arakawa Sister River (Tokyo), ICPRB JP
2012	Moderator, Mobility Lab LEED/Transportation Symposium (Nov. 29)
2010 – 2011	OWL conservation day organizing committee member, presenter, water trail surveyor
2010 – 2011	Mason liaison to Arlington Community Energy and Sustainability Task Force
2005 – 2010	GEF steering committee member, Global Forum on Oceans, Coasts and Islands
2007 – 2008	GEF steering committee member, UNEP's Coral Reef Lessons Learned project
2006	GEF IW workshop chair, "Mainstreaming GPA in transboundary basins and LMEs"
2003 – 2005	GEF steering committee member, World Bank's Lake Basin Management Initiative
1995 – 2000	Member, Chesapeake Bay Program Information Management Subcommittee

### Community Service

2005 – now	Donor-advisor, Sklarew Family Fund, FJC
2011 and 2018	Host, 6 <sup>th</sup> and 12 <sup>th</sup> annual Potomac Watershed Trash Summits, Alice Ferguson Foundation
2012 – 2017	Creator and selection committee chair, Arlington Green Patriot Award
2017	Host, Virginia Urban Agriculture Summit
2016	Host, Co-designing our Regenerative Future: Unconference on Agriculture and Beyond
2014 – 2016	Organizing committee, "Go Gaga for Green" for Arlington Earth Week
2011 – 2014	Co-creator and co-organizer, Arlington Earth Week Community Fair
2010 – 2012	Presenter, Earth Force Youth Summit (for Alexandria and Arlington, VA)
2012	Host, NoVA Outside Green Schools Expo
2011 – 2016	Creator, annual APS-Mason Operation Rain Barrel water stewardship program
2006 – 2010	Watershed Stewardship Team Leader then newsletter contributor, EcoAction Arlington
2001	Co-creator, Green ABBIE award, Arlington Chamber of Commerce
1999 – 2001	Water-for-Life fundraising event planner, Co-Chair, water.org

### MANUSCRIPT AND PROPOSAL REVIEWS

**Manuscripts:** *Conservation Biology*, *Journal of Environmental Studies and Sciences* and *Water International*; National Research Council report, *Sustainability in Decision Making: Tools and Approaches for U.S. EPA*

**Proposals:** United Nations Development Program; Taylor and Francis Group/CRC Press

### LANGUAGE PROFICIENCY AND CULTURAL LITERACY

**GB English:** 5/5 (native proficiency speaking/reading)  
**FR French:** 3/3 (minimum professional proficiency)  
**ES Spanish:** 2/2 (limited working proficiency)  
**JP Japanese:** 1/1 (elementary proficiency)

Studied Esperanto, Italian and Mandarin Chinese; resided on 4 continents; and traveled to over 45 nations across 5 continents and 3 island regions.

**CERTIFICATION:** Permaculture Design (Permaculture Project LLC 2015)

**OTHER TRAINING:** Mason Advisor Certificate program (in progress, Mason 2019-now), Sustainability Reporting (GRI 2016), Public Participation (IAP2 2000), Creative Response to Conflict (CCRC 1990), Social Innovation (IDÉE 1990, Senegal) SN, Appropriate Technology (Windfarm 1989)

**ORGANIZATIONAL MEMBERSHIP:** Council on Undergraduate Research, Pugwash Conferences on Science and World Affairs, NoVA Outside Alliance of Environmental Educators, and Social Enterprise Alliance

**REFERENCES - available upon request**