

EMILY A. SMAIL, PH.D.

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PROFESSIONAL SUMMARY

- Program and project leader with 15+ years of experience building long-term collaborations with diverse stakeholders, including policymakers, national partners, international partners, and local leaders.
- Over 8 years of experience leading an international ocean observing initiative.
- Earth Scientist holding a Ph.D. in biology with diverse interdisciplinary expertise.

CORE COMPETENCIES

Program Leadership, Program Coordination, Earth Observation, Marine Science, Science Diplomacy, Stakeholder Engagement, Capacity Development, Workshop and Conference Planning, Sustainable Development, Short- and Long-Range Planning, Needs Assessment, Partnership Development, Research Collaboration, Cross-Program Collaboration, Capacity Development, Supervisory Skills, Strategic Communications, Strategic Planning, Consulting, Presentations, Project Management, Research, Performance Reviews, Research Planning, Environmental Policy, International Engagement

EDUCATION

Doctor of Philosophy in Biology, GPS 3.95/4.0 2012
University of Southern California, Los Angeles, CA

Bachelor of Science in Biology, GPA 3.72/4.0 2004
Pennsylvania State University, State College, PA

WORK EXPERIENCE

ECOSCI SOLUTIONS Fort Walton Beach, FL
Founder & CEO 02/2024–Present

Summary: EcoSci Solutions is a consulting company that specializes in expanding the impact of Earth science by supporting the use of science-based information in decision-making.

Duties, Accomplishments, and Related Skills:

- **STRATEGIC CONSULTING:** Offering a range of consulting services including strategic stakeholder engagement, partnership facilitation, science communications, and project management services.
- **NETWORKING:** Linking other independent Earth science consultants with potential clients.

UNIVERSITY OF MARYLAND College Park, MD
In Support of NOAA/NESDIS/STAR/SOCD
Senior Faculty Specialist and Executive Director of the GEO Blue Planet Initiative 04/2017–02/2024

Summary: The Group on Earth Observations (GEO) Blue Planet initiative is a global initiative that works to bridge the gap between ocean and coastal observational data and societal needs to deliver actionable information. My role of Executive Director of GEO Blue Planet was funded by the National Oceanic and Atmospheric Administration (NOAA) and hosted by the University of Maryland. The position involved comprehensive strategic development, program leadership, and stakeholder engagement.

Duties, Accomplishments, and Related Skills:

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- **STRATEGIC DEVELOPMENT & PROGRAM LEADERSHIP:** Directed strategy development and managed operations of GEO Blue Planet's activities including leading the development of short- and long-range strategic plans.
- **PRIORITY SETTING:** Worked with a range of stakeholders including United Nations (UN) agencies, national agencies, and end user representatives to identify priorities for the development of decision support tools and indicators that utilize ocean and coastal observations derived from space-based, airborne and in situ platforms.
- **STAKEHOLDER ENGAGEMENT:** Organized international symposia and workshops aimed at identifying stakeholder ocean and coastal information needs in South Korea, France, Ghana, Cape Verde, St. Vincent and the Grenadines, Mexico City, and several virtual venues.
- **TEAM BUILDING:** Built expert teams to deliver information and develop activities to meet stakeholder needs around the topics of eutrophication, marine litter, oil spills, fisheries, Sargassum, adaptation planning, shoreline and seabed changes, and flooding and inundation.
- **CAPACITY DEVELOPMENT:** Identified capacity development needs and identified resources and personnel to meet those needs. Arranged for the analysts in NOAA's Satellite Analysis Branch to train 15+ government employees in Trinidad and Tobago in operational monitoring of oil spills using satellite imagery. Organized a symposium in Ghana to identify capacity and information needs related to ocean and coastal monitoring in Africa.
- **OCEAN OBSERVING PRODUCT DEVELOPMENT:** Worked in collaboration with domestic and international ocean observing scientists and end users to co-design operational oceanographic data products and applications. Provided consultations upon request by domestic and international stakeholders, including various UN agencies, on co-development procedures for product and application development. Worked with experts from the National Aeronautics and Space Administration (NASA), NOAA, Esri, academia and other organizations to develop satellite-derived indicators for coastal eutrophication for the formal reporting on UN Sustainable Development Goal (SDG) 14. Supported the development of an early warning system for wave-driven flooding on reef-lined islands in collaboration with the National Oceanic and Atmospheric Administration's (NOAA) Satellite Applications and Research / Satellite Oceanography and Climatology Division (STAR/SOCD), the United States Geological Survey (USGS) and Deltares.
- **FACILITATED RESEARCH:** Worked with research staff to identify partners and resources for activities. Coordinated the development of systems to monitor sargassum growth in the tropical Atlantic and oil spills in the Caribbean in collaboration with NOAA scientists and regional end users. Worked to secure the required approvals for NOAA scientists to work on these intra-agency and international research activities.
- **CROSS-ORGANIZATIONAL COLLABORATION:** Worked across organizational lines in collaboration with a variety of domestic agencies and programs. These included NOAA CoastWatch, NOAA Coral Reef Watch, NASA, the Environmental Protection Agency (EPA), and USGS. Collaborated with international organizations, including GEO, the World Meteorological Organization (WMO), the United Nations Environment Programme (UNEP), and the World Bank.
- **SUPERVISORY SKILLS & LEADERSHIP:** Supervised Secretariat staff and volunteer committees and working groups ranging from 5–50 members, providing guidance and direction. Conducted

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necessary supervisory work for staff and project team members including assigning and prioritizing work tasks and ensuring deadlines are met. Motivated and managed volunteer scientists and programmers from government agencies, industry, and academia.

- **PRESENTATION OF SCIENTIFIC INFORMATION:** Provided synthesis presentations on various Earth science topics at the invitation of UN agencies, NGOs, and government agencies. In 2020, spoke on the Global Manual on Ocean Statistics, including a step-by-step guide to implementing SDG Indicator 14.1.1.a (Index of Coastal Eutrophication Potential) at the invitation of the International Atomic Energy Agency (IAEA) in Monaco. In 2018, made a presentation about the status of remote sensing of ocean-based water quality at a workshop on “Disruptive Technologies for Pollution Management” at World Bank headquarters in Washington, DC.
- **BRIEFINGS & COMMUNICATIONS:** Briefed high-level officials on the GEO Blue Planet Advisory Board and Steering Committee, providing updates on activities/strategies.
- **INTERDISCIPLINARY COLLABORATION:** Worked across organizational lines in collaboration with a variety of domestic agencies and programs. Built and moderated collaborations with Earth scientists, social scientists, and decision-makers.
- **RESOURCE ESTIMATE & NEEDS ASSESSMENTS:** Provided estimates for funding requirements and human resources needs associated with project implementation and workshops.
- **PARTNERSHIP DEVELOPMENT & RESOURCE MOBILIZATION:** Worked with NOAA to secure resources for fellows and to support the GEO Blue Planet Secretariat. Worked with Mercator Ocean on a proposal to secure funding of approximately 1M Euros/year from the European Commission for a permanent European GEO Blue Planet office. Worked with the Korean Maritime Institute to establish an Asian GEO Blue Planet office.
- **TECHNICAL REVIEWS:** Conducted technical reviews of potential projects at the request of partner organizations.
- **PROGRAMMATIC ANALYSES:** Participated in the 2021 GEO mid-term evaluation process. Organized and led a GEO Blue Planet Strategy Summit and program review process which included internal and external stakeholder consultations resulting in an ongoing revamp of GEO Blue Planet’s strategy, operations, and governance procedures.

GULF & CARIBBEAN FISHERIES INSTITUTE

In Support of UNEP’s Caribbean Environment Programme
Grantee

Destin, FL

09/2021–11/2021

Summary: Produced a concept note on how to identify probable sources of marine litter in the Caribbean and model land and ocean hotspots.

Duties, Accomplishments, and Related Skills (5 hours/week):

- **LITTER MONITORING PROJECT DEVELOPMENT:** In support of the Global Partnership on Marine Litter’s Caribbean node, I produced a concept note outlining a marine litter monitoring project. The project was outlined as an interdisciplinary analysis that bridged the traditionally siloed

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disciplines of waste leakage tracking and modeling and environmental marine litter monitoring and modeling.

GLOBAL SCIENCE AND TECHNOLOGY, INC.

College Park, MD

In Support of NOAA/NESDIS/STAR/SOCD

Support Scientist and Scientific Coordinator of the GEO Blue Planet Initiative

11/2015–04/2017

Summary: As a NOAA contractor through Global Science & Technology, Inc., I spearheaded the evolution of GEO Blue Planet from a concept with an informal Steering Committee to an internationally recognized initiative with a formal structure and deliverables.

Duties, Accomplishments, and Related Skills (40 hours/week):

- **PROGRAM LEADERSHIP:** Managed strategic development and implementation for the GEO Blue Planet Initiative, leading communication/outreach efforts and coordinating logistical support.
- **PROMOTING PARTNERSHIPS:** Planned and facilitated discussions at the 3rd GEO Blue Planet Symposium. Invited stakeholders from Ghana, Nigeria, the Solomon Islands, and the Caribbean to address the use of ocean and coastal observations for policies related to illegal, unregulated, and unreported fishing and pollution monitoring.
- **COMMUNITY DEVELOPMENT:** Grew active participation in the GEO Blue Planet Initiative from approximately 20 active participants to 200+.
- **STRATEGIC PLANNING:** Wrote and updated implementation plans, terms of reference, and other strategic documents. In addition, briefed high-level officials on the advisory board.
- **TRANSLATING SCIENCE:** Led the production of a booklet entitled *Advanced Techniques for Monitoring Water Quality Using Earth Observation* that provides an overview of Earth observation techniques and applications for non-experts.
- **PROGRAM COORDINATION and STRATEGIC COMMUNICATIONS:** As education and outreach coordinator for the NOAA CoastWatch program, wrote blog posts and produced informational content for websites.

UNIVERSITY OF HAWAII AT MANOA, WAIKIKI AQUARIUM

Honolulu, HI

Ocean Scientist & Acting Director of Education

03/2014–10/2015

Summary: As the Aquarium Ocean Scientist, I worked to translate science into a format accessible to the public, served as head of our grants committee, and developed request for proposal documents for Aquarium projects. I also served as the Acting Director the Education Department for 10 months.

Duties, Accomplishments, and Related Skills:

- **SUPERVISORY SKILLS and BUDGET MANAGEMENT:** Managing the Education Department's budget and supervised 4 staff, including 3 educators. Mentored a NOAA Hollings Scholar on a project related to guest engagement preferences and a high school student on climate change and ocean acidification outreach activities. Conducted employee performance reviews and promoted professional development opportunities.
- **PROGRAM DEVELOPMENT:** Translated scientific information into a more accessible format, providing educational materials to the public. This included writing science-based articles for the quarterly magazine, managing text/graphics for new exhibits and developing onsite programs.

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- **GRANTS MANAGEMENT:** Managed/administered grants, including Waikiki Aquarium's portion of a collaborative NOAA environmental literacy grant with the Exploratorium and the Pacific Science Center.
- **PROJECT MANAGEMENT:** Managed interdepartmental projects and represented the Education Department at staff meetings, working with the staff to identify priorities and future goals.
- **CLIMATE CHANGE COMMUNICATIONS:** Completed a National Network for Ocean and Climate Change Interpretation study circle and used this training to educate other staff at the Aquarium about climate change communications.

NOAA SEA GRANT PROGRAM, OFFICE OF SENATOR ROGER F. WICKER
Knauss Marine Policy Fellow

Washington, DC
02/2013–02/2014

Summary: In the Wicker office, I supported Mississippi legislative interests and supported Senator Wicker on a variety of ocean and science policy issues. This involved supporting diverse stakeholders at both the state and national levels concerning environmental policy matters.

Duties, Accomplishments, and Related Skills:

- **OCEAN AND SCIENCE POLICY:** As lead science staffer, advised Senator Wicker on policy issues including fisheries legislation, coastal management and resilience, Endangered Species Act, and animal welfare legislation.
- **ENVIRONMENTAL POLICY EXPERT:** Coordinated with a range of stakeholders, including the Fish and Wildlife Service and NOAA, to address environmental policy issues. Drew on environmental restoration policy to support congressional oversight of the RESTORE Act.
- **POLICY CONSULTING:** Prepared Senator Wicker for hearings/meetings of the Senate Committees on Commerce, Science, and Transportation and on Environment and Public Works.
- **EXPERT ADVISEMENT:** Advised Senator Wicker on sustainable fisheries legislation, which led to his co- sponsoring the Safety and Fraud Enforcement for Seafood Act.
- **CONTROVERSIAL ISSUE MANAGEMENT:** Wrote opening statements and prepared Senator Wicker for hearings, including those where he served as ranking member (such as a hearing on recovery from the Deepwater Horizon oil spill).
- **STAKEHOLDER ENGAGEMENT:** Met with senior-level representatives from local government agencies, federal agencies, universities, and industry to address legislative concerns and interests. Helped build bipartisan support for the Harmful Algal Bloom and Hypoxia Research and Control Amendments Act and the ratification of fishing treaties.

VIRGINIA COMMONWEALTH UNIVERSITY
Laboratory & Research Specialist

Richmond, VA
08/2007–05/2008

Summary: At Virginia Commonwealth University, I supported Dr. Jill C. Bettinger's neurobiology laboratory as a bench scientist.

Duties, Accomplishments, and Related Skills (40 hours/week):

- **LABORATORY MANAGEMENT and RESEARCH:** Managed general laboratory issues and tested the behavior of *Caenorhabditis elegans* strains with known synaptic transmission mutations, gaining a better understanding of the molecular pathways involved in alcohol's impact on synaptic transmission.

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- **PUBLICATION:** Contributed to a publication that detailed the effects a gene could have on the behavioral impacts of alcohol.

ICF INTERNATIONAL, INC.

Analyst
08/2007

09/2005–

Fairfax, VA

Summary: As an analyst at ICF International, I worked on a variety of projects ranging from an update to the Environmental Protection Agency's (EPA) Wildlife Exposure Factors Handbook to the Louisiana Road Home Program.

Duties, Accomplishments, and Related Skills (40 hours/week):

- **DISASTER MANAGEMENT:** Coordinated with team to evaluate damages and compensation values for homes affected by Hurricane Katrina and Hurricane Rita. Wrote and edited policy and protocol documents for evaluations, tracked and updated homeowner data, and reviewed compensation allowance documents.
- **RISK ANALYSIS:** Identified potential fraud issues, developed a quality control review system, and trained contractors in this method, supporting fraud prevention.
- **DATA ANALYSIS AND WRITING:** Analyzed data from scientific literature on the diets of marine birds, sea otters, and sea lions, delivering updates to the EPA's Wildlife Exposure Factors Handbook.
- **PROPOSAL WRITING AND CONTRACTOR SELECTION:** Assisted with preparation for multiple successful proposals. Reviewed proposals for subcontracts and supported award selection.

SELECTED PUBLICATIONS

- Vittorio, E.B., Silvia, P., Sathyendranath, S., Howey, B., Land, P., Jackson, T., Santoleri, R., Sammartino, S.C., von Schuckmann, K., Ghafari, D., Smail, E.A., VanGraffeland, K., Ramachandran, S., Lance, V.P., and Wang, M. (2022). Potential eutrophication of European waters using satellite derived chlorophyll following the UN Sustainable Development Goal 14 framework. In: Copernicus Ocean State Report, issue 6. Journal of Operational Oceanography.
- Smail, E.A., Campbell, J., Takaki, D., Hasson, A., Garello, A. Bowser, Ghafari, D., Plag, H.P., Djavidnia, S., Moutinho, J., El Serafy, G., Giorgetti, A., Vinci, M., Molina Jack, M.E., Larkin, K., Wright, D.J., Galgani, F., Topouzelis, K., Bernard, S., Colangeli, G., Segui, L.M., Pendleton, L., Kamu, C., Ottagli, M., Canals, L.,M., Simpson, M., Marino, A., Zabaleta, I., Heron, M., and Chassignet, C. A. (2022). A Global Data and Information Platform to Monitor Marine Litter and Inform Action [White Paper].
- Smail, E.A., Celliers, L., Mañez Costa, M., Schoo, K., Isensee, K., Lorenzoni, L., & C. Teichmann. Ocean observations to underpin policy: Examples of ocean and coastal observations in support of the Sendai Framework, UNFCCC, and Sustainable Development Goal 14. In: A. Kavvada, D. Cripe and L. Friedl (Eds.), Earth observation applications and global policy frameworks. (2022). Washington, DC: American Geophysical Union.

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- Smail, E.A. and Hasson, A. with contributions from the GEO Blue Planet Steering Committee. (2021). GEO Blue Planet Operations and Governance Plan.
- Smail, E.A., DiGiacomo, P., Seeyave, S., Djavidniad, S., Celliers, L., Steven, A., Hodge, J., Racault, M.F., Storlazzi, C., Skirving, W., Hoeke, R., Mara, J., van Dongeren, A., Muller-Karger, F., Cripe, D., and Takaki, D. (2019). An introduction to the oceans and society: Blue Planet Initiative. *Journal of Operational Oceanography*.
- Mackenzie, B., Celliers, L., de Freitas Assad, L.P., Heymans, J.J., Rome, N., Thomas, J.O., Anderson, C., Behrens, J., Calverley, M., Desai, K., DiGiacomo, P.M., Djavidnia, S., dos Santos, F., Eparkhina, D., Ferrari, J., Hanly, C., Houtman, B., Jeans, G., Landau, L., Larkin, K., Legler, D., Le Traon, P.Y., Lindstrom, E., Loosley, D., Nolan, G., Petihakis, G., Pellegrini, J., Roberts, Z., Siddorn, J.R., Smail, E.A., Sousa-Pinto, I., and Terrill, E. The role of stakeholders and actors in creating societal value from coastal and ocean observations. (2019). *Frontiers in Marine Science*.
- Smail, E.A. with contributions from the GEO Blue Planet Steering Committee (2019). GEO “Oceans and Society: Blue Planet” Initiative 2020–2022 implementation plan.
- Greb, S.R., Odermatt, D., Smail, E.A., Tyler, A. and Zheng, G. (Eds). (2017). *Advanced techniques for monitoring water quality using Earth observation*.
- Seeyave, S., Simpson, P., Burg, S., Davidson, K. Keizer, T., Beckman, F., Victoria, C., Anuschka, M., Aurora, R., Smail, E.A., and Villwock, A. (2017). *Writing a communication strategy: A step-by-step guide and template tailored for international (marine) science organisations*.
- Smail, E.A., Webb, E., Franks, R.P., Bruland, K.W., & Sanudo-Wilhelmy, S.A. (2012). The status of metal contamination in surface waters of the coastal ocean off Los Angeles California since the implementation of the Clean Water Act. *Environmental Science and Technology* 46(8), 4304–4311.
- Sanudo-Wilhelmy, S.A., Cutter, L.S., Durazo, R., Smail, E.A., Gómez-Consarnau, L., Webb, E.A., Prokopenko, M.G., Berelson, W.M. and Karl, D.M. (2012). Multiple B-vitamin depletion in large areas of the coastal ocean. *Proceedings of the National Academy of the Sciences of the United States* 109(35), 14041–14045.

SELECTED PRESENTATIONS

- Speaker and Conference Organizer, “GEO Blue Planet Opportunities”, 6th GEO Blue Planet Symposium (Seoul, South Korea, October 2023)
- Invited Speaker, “Ocean and coastal observations for marine spatial planning and food security”, Space for Island Nations (Male, Maldives, May 2023)
- Invited Speaker, “Earth observations for marine ecosystem monitoring”, UNEP/UNODC Global Webinar on Geospatial and Other Data Sources for Environmental Statistics (Virtual, March 2023)
- Speaker and session co-organizer, “Introduction to Earth Observations for Water Monitoring”, UN Water Conference Side event on Earth Observations in Support of Water Action” (Virtual, March 2023)
- Invited Speaker, “Monitoring our ocean and coasts in support of Sustainable Development”, Global Sustainable Technology and Innovation Community (G-STIC) Conference (Rio de Janeiro, Brazil, February 2023)

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- Invited Speaker, “Space based monitoring of extreme weather event effects on water quality”, Quad Space Working Group Technical Workshop on Extreme Precipitation Events (Virtual, February 2023)
- Speaker, “Data Challenges for Work Programme Activities”, GEO Week 2022 (Accra Ghana, November 2022)
- Co-organizer, speaker, and panelist, “The GEO Blue Planet Initiative,” the 5th GEO Blue Planet Symposium (Accra, Ghana, October 2022)
- Speaker, “Examples of ocean and coastal observation products”, National Adaptation Plan Expo 2022 (Gaborone, Botswana, August 2022)
- Speaker, “Integrating satellite-data products across the land-sea interface to track land-based pollution and sediment distribution in collaboration with CEOS COAST”, ESA Living Planet Symposium (Bonn, Germany, May 2022)
- Speaker, “Tools for monitoring coastal eutrophication with satellite-data in support of Sustainable Development Goal 14” ESA Living Planet Symposium (Bonn, Germany, May 2022)
- Poster Presentation, “How can ocean and coastal observations inform National Adaptation Plans”, UN Climate Change Conference OP 26) (Virtual, November 2021)
- Speaker, “GEO Blue Planet: eutrophication indicators and tools”, GEO Climate Policy and Finance Workshop (Virtual, September 2021)
- Speaker, “Using GIS tools to help countries report on UN Sustainable Development Goal 14.1”, Coastal GeoTools (Virtual, February 2021)
- Invited speaker, “Capacity Development for Monitoring Oil Spills in the Caribbean”, AmeriGEO Meeting (Virtual, February 2021)
- Invited speaker, “SDG 14.1.1a: Overview”, UN Environment Launch Event - Understanding the State of the Ocean: A Global Manual on Measuring SDG 14.1.1, SDG 14.2.1 and SDG 13.5.1 (Virtual, February, 2021)
- Invited speaker, “Linking Ocean and Coastal Information with Society: the GEO Blue Planet Initiative”, POGO-22 (Virtual, January 2021)
- Invited speaker, “GEO & the UN Decade of Ocean Science for Sustainable Development, GEO 54th Executive Committee Meeting (Virtual, March 2021)
- Invited speaker, “Introduction to indicator 14.1.1a: Index of Coastal eutrophication,” First coordination meeting of project RLA7025, International Atomic Energy Association (Monaco, March 2020)
- Invited speaker, “Monitoring sargassum in the tropical Atlantic”, Ocean Sciences 2020 - AtlantOS Townhall (San Diego, CA, February 2020)
- Event organizer and speaker, “GEO and the Decade on Ocean Science for Sustainable Development”, GEO Week 2019 Side Event Series (Canberra, Australia, October, 2019)
- Invited speaker, “Information needs for marine plastics and other debris:” SDG 14.1 indicators, Oceans 2019 Marine Debris Town Hall (Seattle, WA, October 2019)
- Invited speaker, “Practices and pathways for collaboration”, OceanObs’19 (Honolulu, HI, September 2019)
- Session organizer and speaker, “Chlorophyll a for reporting on SDG indicator 14.1.1”, OceanObs’19 (Honolulu, HI, September 2019)
- Invited speaker, “Linking ocean and coastal information with society: the GEO Blue Planet initiative”, World Bank Brown Bag Lunch Series (Washington, DC, June 2019)
- Invited speaker, “Sargassum and oil spill information and forecasting system”, IOCARIBE-XV (Oranjestad, Aruba, May 2019)

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- Invited speaker, "Initial assessment of existing relevant data," Expert Consultation on Marine Litter National Source Inventories, United Nations Environment Program Headquarters (Nairobi, Kenya, March 2019)
- Invited speaker, "Towards a multi-hazard information and forecasting system for the wider Caribbean," Texas A&M Galveston Seminar Series (Galveston, Texas, March 2019)
- Invited speaker, "Earth observations for water quality monitoring," World Bank Workshop on Disruptive Technology for Pollution Management (Washington, DC, December 2018)
- Co-organizer, speaker, and panelist, "United Nations Decade of Ocean Science for Sustainable Development," the 4th GEO Blue Planet Symposium (Toulouse, France, July 2018)
- Speaker and co-organizer, "Summary of ocean and sustainability-related variables," Identifying and Articulating Knowledge Needs for the Implementation and Monitoring of the Sustainable Development Goals in Caribbean Small Island States and Matching Those Needs to Knowledge, Tools, and Data (Saint Vincent and the Grenadines, January 2018)
- Panelist, A New Era of Blue Enlightenment Event (Lisbon, Portugal, July 2017)
- Invited Speaker, "Observing information products that can support SDG 14", UN Ocean Conference Side Event - Building Partnerships for Integrated Ocean Observing and Information in Support of the Implementation of Sustainable Development Goal 14, United Nations Headquarters (New York, NY, February 2017)

ADDITIONAL INFORMATION AND AWARDS

- Team Impact Award, Group on Earth Observations, 2023
- Member – UN Science-Policy-Business Forum's High Level Expert Group on Big Data for the Planet, 2023 – present
- Steering Committee Member – OceanPredict.US, 2022 – present
- Harrison M. Kurtz Memorial Award for being the "most outstanding Ph.D. student in the Biological Sciences Department", University of Southern California, 2012
- Sea Grant Traineeship, University of Southern California, 2009–2010
- Spot Bonus Awards, ICF International, 2006 and 2007
- U.S. Peace Corps volunteer (South Africa), 2004–2005