

The GOMO Team



David Legler, PhD - Director



- **Leadership**

- OAR Ocean Portfolio Steward
- [Interagency Ocean Observation Committee \(IOOC\) Co-Chair](#)
- [GOOS Ocean Observation Coordination Group \(OCG\) Chair](#)
- [GOOS Ocean Observing Co-Design Programme \(UN Decade\) Co-chair](#)

- **Awards and honors**

- 2017: Certificate for outstanding service, awarded by the WMO-IOC Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM)

- **Public outreach and engagement & participation in conferences, workshops etc.**

- Many conferences, workshops, and events (too many to list)

- **Refereed publications/articles**

- [Mackenzie B, et al \(2019\) The Role of Stakeholders in Creating Societal Value From Coastal and Ocean Observations.](#)
- [Meyssignac B, et al \(2019\) Measuring Global Ocean Heat Content to Estimate the Earth Energy Imbalance.](#)
- [Pinardi N, et al \(2019\) The Joint IOC \(of UNESCO\) and WMO Collaborative Effort for Met-Ocean Services.](#)
- [Tanhua T, et al \(2019\) What We Have Learned From the Framework for Ocean Observing: Evolution of the Global Ocean Observing System.](#)
- [Kessler, W et al \(2021\). Final Report of TPOS 2020.](#)

Jessica Snowden - Deputy Director



- **Leadership**

- First Deputy, GOMO Program (new position, hired in 2020)
- Chair, [AtlantOS](#) Program Steering Committee
- Member and past inaugural chair, NOAA Women Employee Resource Group

- **Awards and honors**

- Graduate, [NOAA's Leadership Competencies Development Program \(2018\)](#)
- Selected for GOMO Deputy position (it's an honor!)(2019)

- **Public outreach and engagement & participation in conferences, workshops etc.**

- Focus on Congressional engagement and education
- Prioritize GOMO "inreach"
 - Ensuring the team has what they need to succeed
 - Redefine scope of Director's work to better "share the load"
 - Recruit, hire, retain talent at GOMO

Ann-Christine Zinkann, PhD - Program Manager

- **Portfolio**

- UN Decade, Global Ocean Observing System (GOOS), All-Atlantic Observing System (AtlantOS), GOMO Data

- **Leadership**

- ECOP* on UN Decade endorsed Ocean Observing Co-Design and Digital Twins of the Ocean; ECOP representative on UN Decade Predicted Ocean Expert Team; Member of the US Delegation for the Open-ended Informal Consultative Process on Oceans and the Law of the Sea (2022)

- **Awards and honors**

- 2020 UCAR Special Recognition Award (2021); Sea Grant John A. Marine Policy Knauss Fellowship (2020)

- **Public outreach and engagement & participation in conferences, workshops etc.**

- Co-organizer and panelist at first [International Digital Twins of the Ocean Summit](#) (2022); [AtlantOS Side event](#) at All-Atlantic Ocean Research Alliance 2022 Virtual Forum; Co-organizer [Ocean Decade Co-Design Workshop](#) (2022); AGU 2022, primary convener: Innovative Session on Co-Design in the Atlantic; Mentor to 2022 Knauss Fellow

- **Refereed publications/articles**

- [An Opportunity for Expansion, Integration, and Co-design](#)
- [The unprecedented Sargassum Challenge](#)



*ECOP - Early Career Ocean Professional



Claudia Rojo - Budget Analyst



- **Portfolio**
 - Budget Officer
- **Leadership**
 - In charge of \$50M GOMO budget!
 - Including evaluate budget proposal and funding requests, Collaborate with project managers to develop a budget.
 - Conduct cost-benefit analyses to determine value.
 - Approve or disapprove funding requests.
 - Determine whether budget proposals are in compliance with regulations
 - Develop a final budgetary agreement with management.
 - Monitors spending to ensure it remains within budget limits.
 - Estimates and forecasts future financial needs.
- **Public outreach and engagement & participation in conferences, workshops etc.**
 - OceanObs'19 Outreach activities

Jessica Mkitarian - Communications Specialist



- **Portfolio**

- GOMO Communications including support for the Arctic Report Card and collaborative projects with OAR Communications

- **Leadership**

- Co-lead for [OAR's annual Women's History Month digital campaign](#), featured 73 women over 4 years

- **Awards and honors**

- Collabralink Certificate of Appreciation (2019); OAR Diversity and Inclusion Award (2020)

- **Public outreach and engagement & participation in conferences, workshops etc.**

- Co-led the NOAA booth at OceanObs'19, including running 15 lightning talks; participated in 2019 Argo Data Management meeting to facilitate communications efforts; delivered presentation about Data Communications at 2020 Ocean Sciences Meeting; participate in annual SciTalk conference for science communicators

- **Refereed publications/articles**

- [New ocean floats to boost global network essential for weather, climate research](#) (NOAA Press Release, 2021)
- [Meet 5 NOAA Buoys that help scientists understand our weather, climate and ocean health](#) (OAR, 2021 - 25k+ views)
- [4 Ways NOAA is Studying the Ocean's Role in Climate](#) (GOMO, 2021 - 4564 views)
- [NOAA collects a lot of data on the ocean. Here are 4 ways we use it.](#) (OAR, 2020 - 12k+ views)
- [8 Ways to Visualize Argo Data](#) (GOMO, 2019 - 2167 views)
- [Drifting Buoys Track Hurricane Michael in the Gulf of Mexico](#) (OAR, 2018 - 13k+ views)



Elizabeth Bhola - Project Administrator



- **Portfolio**

- GOMO Administrative Lead, E2 Travel Systems Liaison, Student Engagement Opportunities, NOAA Research & Development Database (NRDD) Manager

- **Leadership**

- Lead GOMO's engagement in student internship opportunities for NOAA's Lapenta/ Hollings/EPP student scholarship/internship program.
- Managed and entered GOMO's projects in the NOAA Research & Development Database (NRDD)

- **Awards and honors**

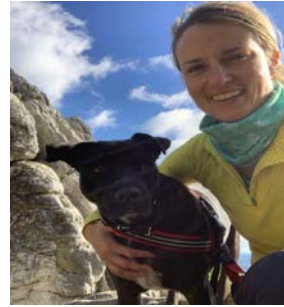
- Collabralink Appreciation Award (2022)

- **Public outreach and engagement & participation in conferences, workshops etc.**

- Women in Sciences Professional Development Workshop (2022)
- HACU Conference (2017)
- Exhibitor at many different universities/college recruitment fairs for NOAA Student Opportunities (2014-2017)

Brittany Croll - International Relations Specialist

- **Portfolio**
 - Policy, UN Framework Convention on Climate Change, Intergovernmental Panel on Climate Change
- **Leadership**
 - U.S. lead negotiator for UNFCCC research and systematic observations
- **Awards and honors**
 - [CSAG Climate and Security Fellowship](#)
- **Public outreach and engagement & participation in conferences, workshops etc.**
 - Negotiator during COP25, COP26, and Subsidiary Body for Scientific and Technological Advice sessions 50-56
 - Delegate for IPCC AR6 Working Group I and IPCC Working Group III approval sessions
 - GOMO representative and OAR observations lead for the NOS-OAR summit
 - GOMO/NOAA representative for GOOS/MTS Industry Dialogues



David Allen - Program Manager



- **Portfolio**
 - Arctic Research Program
- **Leadership**
 - Arctic Research Program, Program Manager; Interagency Arctic Policy Coordinating Committee, Co-Chair, Field Operations Working Group; Interagency Arctic Policy Coordinating Committee, Biennial Implementation Plan, Priority Area II: Arctic Systems Understanding; United States Arctic Observing Network Board, Co-Chair; DBO/EcoFOCI Cruise Planning, Convener
- **Awards and honors**
 - UCAR Special Recognition Award: For leadership in assisting scientific crew reach safety following a COVID outbreak aboard an ECOFOCI/DBO cruise on the Discovery
- **Public outreach and engagement & participation in conferences, workshops etc.**
 - ASSW and Arctic Observing Summit: participant (2020, 2022); Interagency Arctic Policy Coordinating Committee: Biennial Implementation Plan Outreach; Arctic Icebreaker Coordinating Committee; Pacific Arctic Group; Alaska Eskimo Whaling Commission; 2019 OAR Arctic Forum and ARP PI Meeting organizer; 2021 OAR Sea Ice Workshop; Alaska Forum on the Environment
- **Refereed publications/articles**
 - National Academies of Sciences, Engineering, and Medicine. 2018a. Future Water Priorities for the Nation: Directions for the U.S. Geological Survey Water Mission Area. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25134>.
 - National Academies of Sciences, Engineering, and Medicine. 2018b. Gaseous Carbon Waste Streams Utilization: Status and Research Needs. Washington, DC: National Academies Press. <https://doi.org/10.17226/25232>.
 - C. P. Weaver, S. Mooney, D. Allen, N. Beller-Simms, T. Fish, A. E. Grambsch, W. Hohenstein, K. Jacobs, M. A. Kenney, M. A. Lane, L. Langner, E. Larson, D. L. McGinnis, R. H. Moss, L. G. Nichols, C. Nierenberg, E. A. Seyller, P. C. Stern & R. Winthrop, 2014. From global change science to action with social sciences. Nature Climate Change 4, 656–659 [doi:10.1038/nclimate2319](https://doi.org/10.1038/nclimate2319).



Sid Thurston, PhD - Program Manager

- **Portfolio**

- Global Drifter Program, RAMA

- **Leadership**

- GOMO Program Manager, Global Drifter Program ([GDP](#)); GOMO Program Manager, Research Moored Array for African-Asian-Australian Monsoon Analysis and Prediction ([RAMA](#)); GOMO Program Manager, Shipboard Atmospheric-Meteorological Observing System ([SAMOS](#)); WMO Standing Committee on Earth Observing Systems and Monitoring Networks ([SC-ON](#)), Vice-Chair; IOC-WMO Joint Collaborative Board ([JCB](#)), WMO Lead for Observations; Indian Ocean Observing System Resource Forum ([IRF](#)), Chair; IOC-WMO Data Buoy Cooperation Panel ([DBCP](#)), Lead for International Cooperation and Partnerships

- **Awards and honors**

- NOAA Leadership Competencies Development Program (LCDP-5, the Ambassadors); Director, NOAA Office of Global Programs Tokyo Liaison Office (1999-2002); NOAA John Knauss Sea Grant Fellowship 1995; United Airlines 2.5MM
- PADI Advanced Open Water Certification; Tau Beta Pi - National Engineering Honor Society-Virginia Tech

- **Public outreach and engagement & participation in conferences, workshops etc.**

- Many overseas conferences, workshops, and events (too many to list); Lead Organizer for over 30 Capacity Building Workshops across the Indo-Pacific Region

- **Refereed publications/articles**

- Heslop E, et al (2021) The Global Ocean Observing System - Oceans of Data for Earth System Predictions. [WMO Bulletin](#).



Mariana Rocha de Souza, PhD - Knauss Fellow



- **Portfolio**

- Argo Program and AtlantOS

- **Leadership**

- AtlantOS Program coordination team, Argo program assistant

- **Awards and honors**

- AMS Summer Policy Colloquium NSF Fellowship; Sea Grant John A. Marine Policy Knauss Fellowship; AAUW International Fellowship ; STRF Smithsonian Short-Term Fellowship

- **Public outreach and engagement & participation in conferences, workshops etc.**

- Guest speaker at many schools and universities in US, Brazil, and France, invited speaker at podcasts (in Spotify), Activity leader in Expanding your Horizon Girl Conference

- **Refereed publications/articles**

- de Souza, M.R. et al. (2022). Community composition of coral-associated Symbiodiniaceae is driven by fine-scale environmental gradients. *Royal Society Open*. Accepted June 21, 2022.
- de Souza, M.R. et al. (2022) Genetic patterns in *Montipora capitata* across an environmental mosaic in Kāneʻohe Bay. *Molecular Ecology*. In review on May 24, 2022.
- Jacobs, K.P. et al. (2021) A phylogenomic examination of Palmyra Atoll's corallimorpharian invader. *Coral Reefs*.41:673-685.
- Roach, T.N.F. et al. (2021) A field primer for monitoring benthic ecosystems using structure-from-motion photogrammetry. *Journal of Visualized Experiments*. 170: e61815.
- Kitchen, R. et al. (2020) Combined effects of nutrient loading and thermal stress on survivorship and physiology of three species of Hawaiian Scleractinian coral larvae. *Coral Reefs* 39:419-431.

Kathy Tedesco, PhD – Program Manager

- **Portfolio**
 - Global Ocean Carbon Observing Network, Global XBT Network; Technology
- **Leadership**
 - UCAR GOMO Staff Supervisor; USGCRP Carbon Cycle Science IWG, Co-Chair
- **Awards and honors**
 - UCAR Leadership Academy; UCAR Special Recognition Award
- **Public outreach and engagement & participation in conferences, workshops etc.**
 - William M. Lapenta NOAA Student Internship Program Mentor; Ocean Carbon and Biogeochemistry (OCB) Early Career Mentor & Panel for Graduate Students and Postdoctoral Candidates; OSM Session Convener & Early Career ‘Breakfast with Program Managers’; Dissertations Symposium in Chemical Oceanography (DISCO) Selection Committee and NOAA Representative; OceanObs’19 + many other meetings, conferences
- **Refereed publications/articles**
 - [Kessler, W et al \(2021\). Final Report of TPOS 2020.](#)
 - Tedesco, K, et al. (2019). Dr. Robert C. Thunell: [A 40-Year Career of Outstanding Science, Service, and Education in Paleoceanography and Paleoclimatology, Paleoceanography and Paleoclimatology](#), 35, e2019PA003786.
 - Wanninkhof, R, et al. (2019). [A Surface Ocean CO2 Reference Network, SOCONET and Associated Marine Boundary Layer CO2 Measurements](#), Front. Mar. Sci.
 - USGCRP (2018). [Second State of the Carbon Cycle Report \(SOCCR2\): A Sustained Assessment Report](#). [Cavallaro, N., G. Shrestha, R. Birdsey, M. A. Mayes, R. G. Najjar, S. C. Reed, P. Romero-Lankao, and Z. Zhu (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, 878 pp.



Emily A. Smith, PhD - Program Manager



- **Portfolio**
 - Argo, Sea Level, and Gliders
- **Leadership**
 - Office of Oceanic and Atmospheric Research (OAR) Diversity and Inclusion Advisory Committee
 - Integrated Ocean Observations lead for Extreme Events
 - Lead of Women in the Sciences Leadership Workshop series
 - Glider community workshop planning committee
 - Member of the US Delegation for 2 years for the Open-ended Informal Consultative Process on Oceans and the Law of the Sea
- **Awards and honors**
 - OAR Diversity and Inclusion Award 2020
 - Spot award in 2021
- **Public outreach and engagement & participation in conferences, workshops etc.**
 - Many!!
- **Refereed publications/articles**
 - [Lessons for Shoreline Resiliency: An Engineer's Analysis of Sea-Level Rise Planning in the Southeastern United States](#)
 - [Treading Water: Tools to Help US Coastal Communities Plan for Sea Level Rise Impact](#)

Cheyenne Stienbarger - Program Manager



- **Portfolio**
 - Tropical Pacific Observing System (TPOS) and Extreme Events
- **Leadership**
 - Chair of the Extreme Events Ocean Observations Task Team
- **Awards and honors**
 - UCAR Special Recognition Award (2021); Sea Grant John A. Marine Policy Knauss Fellowship (2020)
- **Public outreach and engagement & participation in conferences, workshops etc.**
 - [AMS 2022 Session Co-Convener](#); [AGU 2021 Fall Meeting Session Convener](#) (x2) and [Presenter](#); [AGU 2020 Fall Meeting Session Convener](#)
 - Organizer of the GOMO Workshop - Integrating Ocean Observations to Improve NOAA's Hurricane Intensity Forecasts
 - Mentor for 2021 Lapenta Intern
- **Refereed publications/articles**
 - Miles, T. et al. (2022). [Uncrewed Ocean Gliders and Saildrones Support Hurricane Forecasting and Research](#).
 - [Kessler, W et al \(2021\). Final Report of TPOS 2020](#).
 - Cronin, M. et al (In press). Developing an Observing Air-Sea Interactions Strategy (OASIS) for the global ocean.

James Todd, PhD - Program Manager

- **Portfolio**

- OceanSITES

- **Leadership**

- US CLIVAR Interagency Working Group
- NOAA Climate and Global Change Postdoctoral Fellow

- **Public outreach and engagement & participation in conferences, workshops etc.**

- UN Decade, North Atlantic Workshop (Jan 2020)
- Co-chair: UN Decade, South Atlantic Workshop, WG III, A Predicted Ocean (Nov 2019)
- OceanPredict (May 2019)
- AtlantOS General Assembly (March 2019)
- PIRATA-23 and 2nd Tropical Atlantic Ocean Observing System meeting (Oct 2018)
- OceanSITES meeting (July 2018)
- Woods Hole Hawaii Ocean Time Series (WHOTS) mooring turnaround cruise including diversion to rescue NMFS scientist from French Frigate Shoals due to approach of Hurricane Walaika, NOAA Ship Hi'ialakai (Oct 2018)



Cynthia Garcia-Eidell - Knauss Fellow



- **Portfolio**

- Arctic Research Program

- **Leadership**

- ARP Data Landscape Assessment; OAR Arctic Engagement; US AON Report to Congress; US AON Value Tree Assessment;
- IARPC Sea Ice Collaboration Team & Field Operations Working Group Lead and Secretariat Support

- **Awards and honors**

- Sea Grant John A. Marine Policy Knauss Fellowship (2022-23); K. Patricia Cross Future Leaders Award (2022); ACM SIGHPC/Intel Computational and Data Science Fellowship (2019-22); Graduate Educ. for Academically Talented Students (GREATS) Fellowship (2020-22); NASA GSFC Visiting Scientist

- **Public outreach and engagement & participation in conferences, workshops etc.**

- Charter member of the Science Policy Outreach Program at the University of Illinois at Chicago (UIC)(SPOT-UIC), Representative at the Graduate Student Council of UIC, Advocacy Cttee Head of the Association of Filipino Scientists in America (AFSA)(2021-present)
- Sea Grant Community Engaged Internship Mentor for undergrad students from underrepresented and indigenous communities

- **Refereed publications/articles**

- Garcia-Eidell, C. et al. (2022). Opposing trajectories of land-ocean primary productivity across the Arctic coastal margins. *Global Biogeochemical Cycles*. Submitted - In review.
- Garcia-Eidell, C. et al. (2021). Interrelationships of Sea Surface Salinity, Chlorophyll-a Concentration, and Sea Surface Temperature Near the Antarctic Ice Edge. *Journal of Climate*, <https://doi.org/10.1175/JCLI-D-20-0716.1>.
- Ritter, F. et al. (2020). Distinct response of gross primary productivity in five terrestrial biomes to precipitation variability. *Nature Commun. Earth Environ.* 1, 34, <https://doi.org/10.1038/s43247-020-00034-1>.
- Garcia-Eidell, C. et al. (2019). Sea surface salinity distribution in the Southern Ocean as observed from space. *J.G.R. Oceans*. doi:10.1029/2018JC014510.
- Garcia-Eidell, C. et al. (2017). Satellite observed salinity distributions at high latitudes in the Northern Hemisphere: A comparison of four products, *J.G.R. Oceans*, 122, doi:10.1002/2017JC013184.

Kelley Uhlig - Program Manager

- **Portfolio**
 - Arctic Research Program (Sea Ice, Tech Development, Arctic Report Card, OAR Coordination)
- **Leadership**
 - NOAA Arctic Action Team Chair (elected)
 - NOAA Representative to IARPC Staff Group
 - Coordinating Editor for the NOAA Arctic Report Card
- **Awards and honors**
 - UCAR Special Recognition Award for contributions to the NOAA Arctic Report Card
- **Public outreach and engagement & participation in conferences, workshops etc.**
 - 2022 Knauss Fellow mentor
 - 2022 Marine Policy panelist for graduate students
 - ARCUS Membership Committee
 - IARPC Indigenous Engagement & Communication Support Group
 - IARPC Arctic Community Manager Group
 - ASSW and Arctic Observing Summit participant, presenter (2020, 2022)
 - AGU Arctic Report Card Press Panel organizer (2019, 2020, 2021)
 - 2019 OAR Arctic Forum and ARP PI Meeting organizer
 - 2019 Ocean Obs participant

