



## Meghan Marjorie Shea

Ph.D. Student in Environment and Resources, admitted Autumn 2019

### Bio

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#### BIO

Meghan is a PhD student in the Emmett Interdisciplinary Program in Environment & Resources, working to advance tools and methods for using environmental DNA (eDNA) to characterize marine biodiversity. Her work, at the intersection of biological oceanography and science & technology studies, seeks to center the human context of eDNA monitoring; she hopes to research both new scientific applications of eDNA as well as how stakeholders--from scientists to the general public--think about and engage with these applications.

Beyond her research, Meghan is a campus liaison for the Monterey Area Research Institutions' Network for Education (MARINE), co-founder of Stanford Ocean Networking And Research (SONAR), and co-organizer of the Stanford STS Graduate Workshop. She is also committed to teaching and mentoring the next generation of environmental scholars. In her free time, Meghan plays steel pan and accumulates house plants.

#### HONORS AND AWARDS

- Graduate Public Service Fellowship, Stanford Haas Center for Public Service (2020)
- Rhodes Scholarship, Rhodes Trust (2017)
- Goldwater Scholarship, Barry Goldwater Scholarship and Excellence in Education Foundation (2016)
- Ernest F. Hollings Undergraduate Scholarship, National Oceanic and Atmosphere Administration (2015)

#### EDUCATION AND CERTIFICATIONS

- MPhil, University of Oxford , Nature, Society, and Environmental Governance (2019)
- B.S., Stanford University , Environmental Systems Engineering (2017)

### Teaching

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#### COURSES

##### 2020-21

- The Social Ocean: Human Dimensions of Coastal and Marine Ecosystems: ENVRES 220 (Win)
- Topics in International Justice, Rights, and the Environment: ENVRES 215A, HUMRTS 118 (Spr)

### Publications

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#### PUBLICATIONS

- **Systematic review of marine environmental DNA metabarcoding studies: toward best practices for data usability and accessibility.** *PeerJ*  
Shea, M. M., Kuppermann, J., Rogers, M. P., Smith, D. S., Edwards, P., Boehm, A. B.

2023; 11: e14993

- **Animal Agriculture and Climate Change in the US and UK Elite Media: Volume, Responsibilities, Causes and Solutions.** *Environmental communication*  
Kristiansen, S., Painter, J., Shea, M.  
2021; 15 (2): 153-172
- **Power, the Pacific Islands, and the Prestige Press: A Case Study of How Climate Reporting is Influenced by UN Framework Convention on Climate Change Summits** *INTERNATIONAL JOURNAL OF PRESS-POLITICS*  
Shea, M. M., Painter, J., Osaka, S.  
2021
- **Representations of Pacific Islands and climate change in US, UK, and Australian newspaper reporting** *CLIMATIC CHANGE*  
Shea, M. M., Painter, J., Osaka, S.  
2020
- **Tracing country commitment to Indigenous peoples in the UN Framework Convention on Climate Change** *GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS*  
Shea, M. M., Thornton, T. F.  
2019; 58
- **Adaptation and Resilience at the Margins: Addressing Indigenous Peoples' Marginalization at International Climate Negotiations** *ENVIRONMENT*  
Comberti, C., Thornton, T. F., Korodimou, M., Shea, M., Riamit, K.  
2019; 61 (2): 14–30
- **Occurrence of Host-Associated Fecal Markers on Child Hands, Household Soil, and Drinking Water in Rural Bangladeshi Households** *ENVIRONMENTAL SCIENCE & TECHNOLOGY LETTERS*  
Boehm, A. B., Wang, D., Ercumen, A., Shea, M., Harris, A. R., Shanks, O. C., Kely, C., Ahmed, A., Mahmud, Z. H., Arnold, B. F., Chase, C., Kullmann, C., Colford, et al  
2016; 3 (11): 393-398