An Ocean Corps for Ocean Science

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Why an Ocean Corps?

- Ocean science infrastructure is very unequally distributed around the world.
- Forming collaborations between US scientists and scientists in underresourced countries can help to address this.
- Just as the Peace Corps inspired young Americans to engage the world, Ocean Corps will inspire US oceanographers to engage the world.

Why an Ocean Corps?

- Oceanography is a global science and we need partners everywhere to observe and model the global ocean.
- Solutions to marine plastic pollution, climate change, and other global ocean problems, will require global participation.
- Need to increase participation by everyone in "the global oceanography enterprise"
 - conferences
 - decision-making bodies
 - scientific journals
 - etc

My history in the Peace Corps...

- Form 5 Science Class
- Damongo Secondary School
- Northern Ghana
- 1992



Coastal Ocean Environment Summer School in Ghana (COESSING; https://coessing.org)







2015 Summer School

Held at Regional Maritime University







2016 Summer School

Held at University of Ghana







2017 Summer School

Held at Regional Maritime University



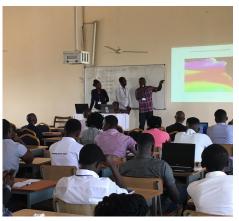
2018 Summer School

Held at University of Ghana









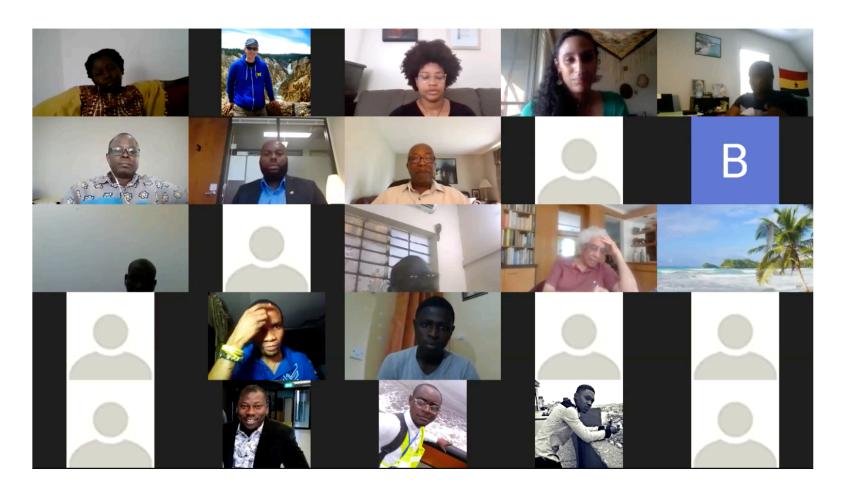
Coastal Ocean Environment Summer School in Ghana (COESSING; https://coessing.org)

2019 Summer School

Held at Regional Maritime University

2020 Virtual COESSING





Coastal Ocean Environment Summer School in Ghana (COESSING; https://coessing.org)



- Many scientists want to join our Ghana summer school.
 - Young scientists are especially interested!
- Why not instead have many (10? 50?) similar schools around the world?
- Scientists in other under-resourced countries want to host similar schools.
- The interest is there for much more collaboration.
- We propose an "Ocean Corps" as a unifying concept to obtain funding and create a network of summer schools, workshops, etc. around the world ...

https://globaloceancorps.org



- Ocean Corps will collaborate with other UN Decade programs, for instance:
 - EquiSea: The Ocean Science Fund for All
 - IOC
 - GOOS
 - POGO
 - CoastPredict
 - Global Ocean and Human Health Program
 - Marine Life 2030
 - Ocean Practices for the Decade Programme
 - OASIS
 - And others
- All UN Decade programs will benefit from strong capacity development.

https://globaloceancorps.org





Osinachi Ajoku

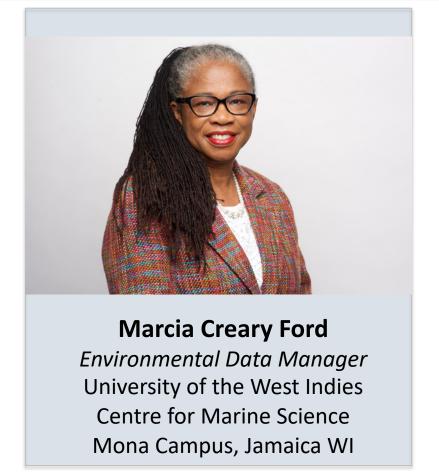
Postdoctoral Fellow I

National Center for Atmospheric

Research

"With support from Ocean Corps, I would reach out to Earth scientists in Africa to set up more observational networks as well as collaborate on research involving aerosols and the local monsoon."





"Ocean Corps' focus on ocean science will facilitate the collaboration between local and overseas partners in developing much needed in-country training and research."





Maddie Foster-Martinez

Assistant Research Professor

Pontchartrain Institute for

Environmental Sciences

University of New Orleans

"If Ocean Corps is funded, I would build long-term, international collaborations to conduct research that supports and is informed by thriving coastal communities."





Winn Johnson

Assistant Professor

University of North Carolina Wilmington

"I would use the global network created by Ocean Corps, to connect chemical oceanographers with access to advanced analytical tools to researchers seeking to apply these analyses in under-characterized regions of the ocean."





Edem Mahu

Lecturer
Department of Marine and Fisheries
Sciences
University of Ghana

"Ocean Corps is a great opportunity to bring African oceanographers a step closer to their counterparts in the Global North. Students from Ghana and Nigeria have received coaching, mentorship and studentship support through COESSING and we are very hopeful of broader impacts when Ocean Corps is funded.."





Paige E. Martin

Postdoctoral Scientist

Lamont-Doherty Earth Observatory
at Columbia University/Australian

National University

"If Ocean Corps is funded, I would be thrilled to bring open-source software, accessible data, and cloud computing to ocean scientists across the globe."





Tashiana C. Osborne

PhD Candidate

Scripps Institution of Oceanography,
University of California San Diego

"With support for Ocean Corps, I would look forward to deepening and multiplying international partnerships to tackle challenges within the natural science-social equity-sustainability nexus."





Katie Roche

PhD Student

University of Rhode Island

RPCV Guinea 2017-2019

"As a former Peace Corps volunteer, I have seen the immense impact that STEM programs can have on encouraging diverse voices in our field, and I aspire to bring an Ocean Corps summer school to Guinea."