

NOTE TO ALL PARTICIPANTS--FOR TUTORIALS THAT ARE BASED UPON LECTURES AND LABS, THOSE LECTURES AND LABS WILL COME FROM OUR AUGUST 2020 SUMMER SCHOOL. SEE OUR WEBPAGE <https://coessing.org/2020-school-virtual/>, our YOUTUBE PAGE https://www.youtube.com/channel/UChiCQrtC6U06ce3u_4aSKAQ/videos AND OUR SLACK PAGE (https://join.slack.com/t/coessing/shared_invite/zt-kq5hrqme-GTGD_Kh8xF9va0Meh1h7ew.)

PANELS

3-5 PM GMT--NOTE ACCRA IS ON GMT

SUGGESTIONS FOR LEAD ORGANIZERS IN RED

Monday

1) Ghana Mini-School: Africa and the Ocean Decade

UN Decade of Ocean Science for Sustainable Development (Frank Müller-Karger)

Monday, January 4, 3-5 PM GMT

GOTO-WEBINAR LINK AND PASSCODE (NEED TO REGISTER):

Please register for Ghana Mini-School: Africa and the Ocean Decade on Jan 4, 2021 3:00 PM GMT at:

<https://attendee.gotowebinar.com/register/3953926688514639629>

After registering, you will receive a confirmation email containing information about joining the webinar.

Brought to you by GoToWebinar®
Webinars Made Easy®

AGENDA:

Session: 2 hours

- 1) Welcome (Brian Arbic...) (5 minutes)
- 2) Setting the stage: We will have an initial presentation by Alison Clausen – she will provide a brief on the Decade implementation and the process of soliciting Actions, including Programmes, etc.
 - Alison Clausen (Intergovernmental Oceanographic Commission) (10 minutes)
- 3) Africa and the Ocean Decade: Panel Discussion (45 minutes)

Topic: vision for the decade; what can Africa do for the Decade and how can the Decade best benefit Africa?

5 minutes per panelist

- Suzan Kholeif, Ph.D., Prof. of Oceanography, ICZM & EIA Consultant, Executive Planning Group (EPG) member for UN Decade of Ocean Science, Former President of national Institute of Oceanography and Fisheries
 - Jacqueline Uku, Ph.D., Kenya Marine and Fisheries Research Institute (KMFRI), President of the Western Indian Ocean Marine Science Association (WIOMSA), member of the Scientific Committee on Oceanic Research (SCOR).
 - Edem Mahu. Ph. D., Lecturer, Marine Biogeochemistry, University of Ghana, Trustee, Partnership for Observation of the Global Ocean; Fellow, FLAIR Fellowship Programme; Fellow, OWSD Early Career Programme; Affiliate, African Academy of Sciences
 - Oguguah Ngozi M.(Mrs) MSc. (Nig), Dept of Fisheries Resources, Nigerian Institute For Oceanography and Marine Research
 - Anthony Johnson Akpan, Founder/President, Pan African Vision for the Environment (PAVE), Lagos, Nigeria
- 4) General discussion and perhaps expressions of interest from people to join with others in developing Actions (Programmes, Projects, Activities, Contributions)

Tuesday

- 2) STEAM Career Pathways** (Tashiana Osborne, Ebenezer Nyadjro, Maddie Foster-Martinez, Nefertiti Smith)
Tuesday, January 5, 3-5 PM GMT

Description: We invite you to join this event to gather advice from leaders in science, technology, engineering, arts, and mathematics (STEAM). Please come with questions you may want to ask about career pathways through STEAM and related activities.

ZOOM LINK AND PASSCODE:

<https://umich.zoom.us/j/92875661275>

Webinar ID: 928 7566 1275 | Passcode: 726648

Six Panelists for STEAM Career Pathways Panel:

- [Charles Ichoku, Ph.D.](#) | Professor of Earth and Atmospheric Sciences at Howard University in Washington, D.C., USA, Distinguished Scientist of the NOAA Cooperative Science Center, and former Research Physical Scientist at NASA Goddard. *Specialties: land-atmosphere interaction processes, energetics and emissions of wildfires and biomass burning, atmospheric aerosol retrievals from satellite observations*
- [Natalie Burls, Ph.D.](#) | Assoc. Professor of Physical Oceanography at George Mason University in Virginia, USA. *Specialties: climatic role of ocean general circulation, ocean-atmosphere interactions, cloud dynamics*
- [Nkem Khumbah, Ph.D.](#) | Lecturer of Mathematics and Leader within the STEM-Africa Initiative at the University of Michigan, USA. *Specialties: development and application of mathematical structures that facilitate the compression of massive data sets*
- [Eunice K. Asamoah, Ph.D.](#) | Assistant Lecturer within the Department of Marine and Fisheries Science of the University of Ghana. *Specialties: pond aquaculture, quality management of fish handling and processing and human health impacts*
- [Hans Ngodock, Ph.D.](#) | Physical Oceanography Scientist within the United States Naval Research Laboratory (NRL) in Mississippi, USA. *Specialties: coupled ocean-wave-atmosphere data assimilation and probabilistic prediction, high-resolution global ocean circulation modeling*
- [Osinachi Ajoku, Ph.D.](#) | Postdoctoral Research Scholar at the National Center for Atmospheric Research (NCAR) in Colorado, USA. *Specialties: modeled aerosol-cloud interactions, biomass burning aerosols and their impacts on the West African monsoon*

Wednesday

3) Economic, Environmental and Social Impacts of Mining ([Adam Simon](#), [Drew Lucas](#), [Edem Mahu](#), [Richmond Kennedy Quarcoo](#), [Enrique Montes](#))

Wednesday, January 6, 3-5 PM GMT

ZOOM LINK AND PASSCODE:

<https://umich.zoom.us/j/98231933384>

Passcode: 032325

See the emails from Drew Lucas and Adam Simon for a description of this panel and the panelists.

Thursday

4) Women in STEM + Women in Ocean-Related Business ([Aline Cotel](#), Tashiana Osborne, Ebenezer Nyadjro, Maddie Foster-Martinez, Nefertiti Smith, [Anna Savage](#), , [Simone Le Gendre-King](#), [Tatiana Cabral](#), [Taylor Widrig](#))

Thursday, January 7, 3-5 PM GMT

ZOOM LINK AND PASSCODE: <https://umich.zoom.us/j/97814785257>

Meeting ID: 978 1478 5257

Passcode: femme21

Panelists:

Women in STEM

Mabel Anim - Lecturer in Physical Geography at the Department of Geography and Regional Planning, University of Cape Coast. Her area of specialisation is Coastal Geomorphology with interest in Coastal, Marine, Environmental Sciences and Geology.

Angela Lamptey - Lecturer at the Department of Marine and Fisheries Sciences, University of Ghana. Her research interests and areas include Aquaculture, Fisheries Biology and Ecology, Biodiversity conservation (Seabirds and sea turtles), Ecology of aquatic biotopes, water quality studies and more recently child trafficking in Ghana's fishing industry.

Alice Soccodato - Postdoc, CNES. Research interests are broadly focused on biophysical interactions and ecological processes in the marine realm, with specific attention to threatened or commercially important species and fragile habitats to improve conservation efforts

Women in Ocean-Related Business

Simone Le Gendre-King is the President of EduHaus Inc, an international education consulting company that provides innovative solutions and project management services to a wide range of businesses, schools, and individuals. Simone brings her expertise in science centre management, STEM programming, innovation capacity building and international project management to the DOTCAN Team. She is also a Director of the Board for the Discovery Centre - Nova Scotia's Hands-On Science Centre.

Taylor Widrig - Founder & President, Mermaid Fare - an Atlantic Canadian company focused on the cultivation and harvesting of sea vegetables as well as international development. Taylor grew up in a small fishing village in Nova Scotia, Canada and has a Grade 12 education. In 2013 she started Mermaid Fare Inc, and grew from selling sea vegetables at Farmers Markets to organizing international development projects and leading research in algal product and biomass development. Her sea vegetable cookbook recently won the Canadian National Gourmand Award in the Fish & Seafood category.

Tatiana Cabral - Chief Biologist, Fazenda de Camarão de Cabo Verde - A sustainable Shrimp and Tilapia Farm in Cape Verde.

TUTORIALS

HELD OUTSIDE OF THE 3-5 GMT TIME WINDOW

Monday

Tidal analysis (Stephan Howden, Joseph Ansong)

Monday, January 4, 11-12 AM GMT

Zoom Meeting ID: 874 3149 4464

<https://zoom.us/j/87431494464>

Passcode: 510935

Discussion and consultation on designing research projects to study natural organic matter and/or organic pollutants (Winn Johnson)

This tutorial will begin with a brief introduction on aquatic organic matter and the methods used to study it. We will then have a discussion where participants share their research interests and we discuss how to design and enhance studies in this field.

Monday, January 4, 1-2 PM GMT

Zoom Meeting ID: 830 4064 4942 Passcode: 957748

Tuesday

Ocean modelling (Joseph Ansong, Riccardo Farneti)

Tuesday, January 5, 11-12 AM GMT

ZOOM LINK AND PASSCODE:

<https://zoom.us/j/137674575>

Password: 516866

Programs of the International Centre for Theoretical Physics (ICTP; Trieste, Italy), led by Riccardo Farneti

Tuesday, January 5, 1-2 PM GMT

ZOOM LINK AND PASSCODE:

<https://zoom.us/j/137674575>

Password: 516866

Wednesday

Python programming (Paige Martin)

Wednesday, January 6, 9-10 AM GMT and Thursday, January 7, 10-11 AM GMT

ZOOM LINK AND PASSCODE:

<https://umich.zoom.us/j/93223765294>, passcode: 527860

Help session on using Ocean Data View (ODV) to visualize biogeochemical datasets (Winn Johnson)

This tutorial will focus on answering questions about using ODV and the data being visualized in ODV. Please follow the instructions for the ODV lab that is posted under #chemical-oceanography on Slack and come to this tutorial with questions from that lab. Wednesday, January 6, 1-2 PM GMT

Zoom Meeting ID: 850 8553 9085 Passcode: 708065

Freely available oceanographic and satellite data (Emily Shroyer, Ebenezer Nyadjro, Enrique Montes)

Wednesday, January 6, 2-3 PM GMT

ZOOM LINK AND PASSCODE:

<https://oregonstate.zoom.us/j/93695552722?pwd=QnptbFBKdWlWeHFEdE1mQIN6WVEzUT09>

Password: 566129

Discussion on measuring waves in the nearshore environment and data processing (Maddie Foster-Martinez)

This tutorial will focus on the nearshore waves python lab activity (<https://coessing.org/coessing-2020-python-resources/>) and will also include a brief introduction on waves in the nearshore environment. Participants are welcome to share their research interests, and we can discuss coastal zone issues and measurement techniques.

Wednesday, January 6, 2-3 PM GMT

ZOOM LINK AND PASSCODE:

<https://uno.zoom.us/j/84082516344?pwd=ZDZLdUxtUWZjTUNzM2RLWCtDQmlwUT09>

Meeting ID: 840 8251 6344 Passcode: 866398

Thursday

Python programming (Paige Martin)

Thursday, January 7, 10-11 AM GMT and Wednesday, January 6, 9-10 AM GMT

ZOOM LINK AND PASSCODE:

<https://umich.zoom.us/j/99201178767> , passcode: 069152

Atmospheric science (Tashiana Osborne)

Thursday, January 7, 2-3 PM GMT

Description: This tutorial will involve an open discussion on extreme weather and water events and efforts to better understand and plan for societal impacts.

ZOOM LINK:

<https://us02web.zoom.us/j/88382698392?pwd=S1VPYlBYOWJ1OEK1VmJiK2lDYkUwUT09>

Meeting ID: 883 8269 8392 | Passcode: nrew8H

Friday

Help session on using Ocean Data View (ODV) to visualize biogeochemical datasets (Winn Johnson)

This tutorial will focus on answering questions about using ODV and the data being visualized in ODV. Please follow the instructions for the ODV lab that is posted under #chemical-oceanography on Slack and come to this tutorial with questions from that lab. Friday, January 8, 1-2 PM GMT

Zoom Meeting Link:

<https://uncw.zoom.us/j/86431581961?pwd=VIEyOG92dTZDQUlKeEJoN2ZUbWd2UT09>

Meeting ID: 864 3158 1961 Passcode: 260455