Virtual COESSIN 2022 Schedule

School format:

- **Hybrid portion:** From 8:45 to 14:00, the in-person content will be live-streamed from Lagos, Nigeria. Virtual participants can tune into lectures, panels, etc. There will be limited opportunities for virtual participants to ask questions during this time.
- **Dedicated virtual portion:**
  - **Scheduled lectures/panels:** From 14:00 to 17:00 there will be synchronous lectures and panels for virtual participants on Zoom. (Note: During this time, in-person participants will be doing in-person labs that will not be liv-streamed.)
- **Labs:** Computer programming or other exercises that you can walk through on your own time.
- **Tutorials:** Instructors will walk participants through labs. This is also a session for you to ask questions as the instructor steps through the lab.
- **Recordings:** All lectures/panels and most tutorials will be recorded and posted to the COESSING Youtube channel, and links will be posted on the 2022 tab of the COESSING website.

Python programming access: **Link to JupyterHub!**

All Python programming labs will be accessed through a website. This website is a JupyterHub that has been set up by 2i2c.org just for us! All you need to do is log in and you will have access to Python, Jupyter notebooks, and (very excitingly) cloud computing resources!

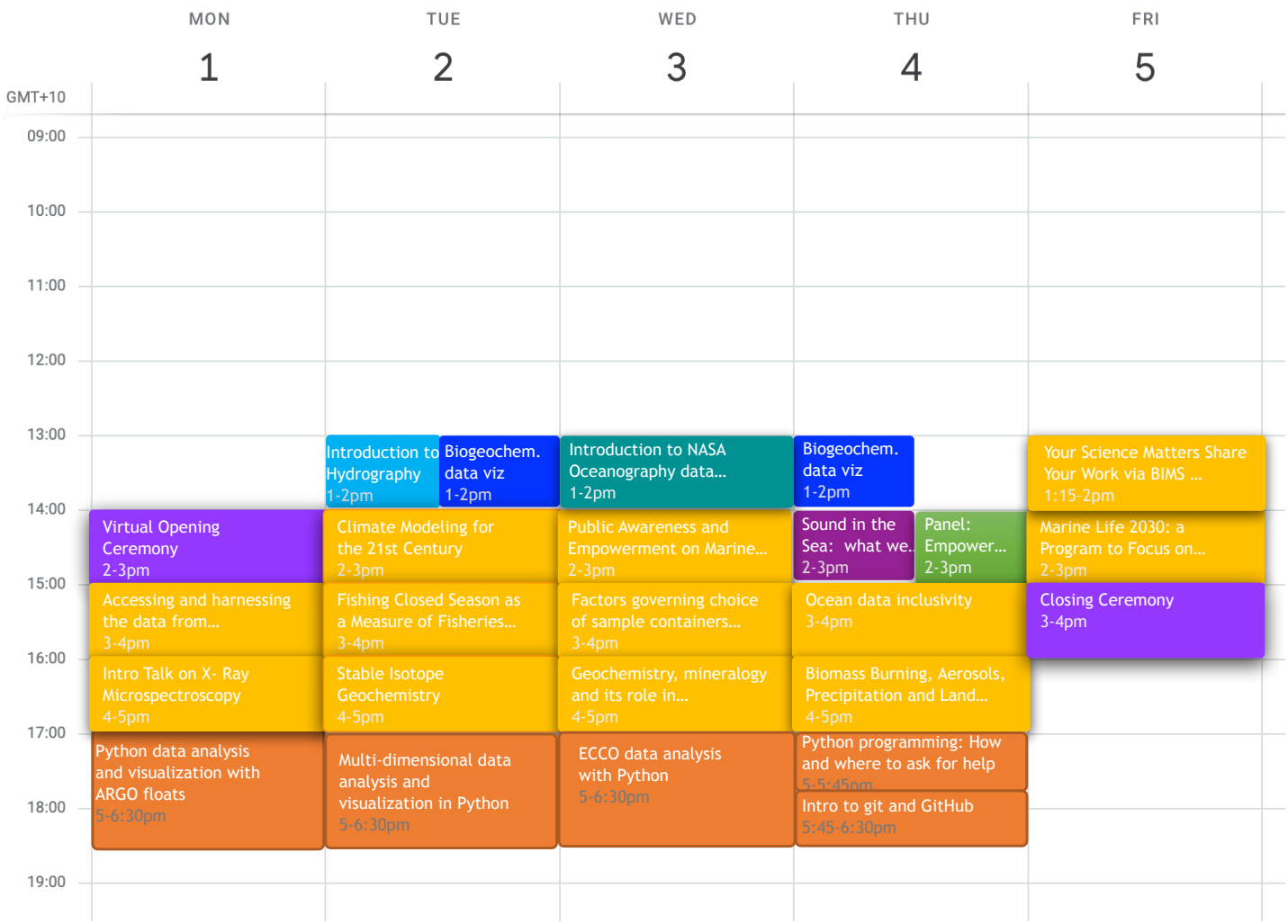
To access the Hub, fill out this Google form with your Google email, and you will then be added as an authorized user of the Hub, and you will use this email to log in to the Hub. Please fill out the form as early as possible, as there can be up to a 24-hour delay to add users to the Hub. Everyone is welcome and encouraged to use the JupyterHub! More details and links on the last page of this schedule.

Live streamed in-person content

Note: all times are GMT+1 (Nigeria local time)

Time (West Africa Standard Time - GMT+1)	Monday	Tuesday	Wednesday	Thursday	Friday
8:45 - 9:30	*Opening Ceremony (hybrid)*	Day at NIOMR (Marina)	*Climate Change Mitigation (Adam Simon)*	*Ecological Statistics (Lailah Gifty Akita)*	*Sea Turtle Conservation Techniques (Andrews Agyekumhene)*
9:30 - 10:15	*Intros/Meet and Greet*	Day at NIOMR (Marina)	*Intro to GIS: Geographic Information Systems (Peter Knoop)*	*Satellite Oceanography (Ebenezer Nyadjro)*	*Fisheries Management (Eunice Konadu Asamoah)*
BREAK					
10:30 - 11:15	*The Art of Networking (Janae' Collier)*	Day at NIOMR (Marina)	*Panel: Women in STEAM (Lailah Gifty Akita & Tashiana Osborne)*	*Theory of Modeling and Global Tides (Brian Arbic)*	*Climate Change Challenges (Rachel Toyosi Idowu)*
11:15 - 12:00	*Plastic Punch and Citizen Science (Richmond Quarcoo)*	Day at NIOMR (Marina)		*Panel: Importance of Data in Environmental Protection (Richmond Quarcoo)*	*Designing Your Destiny (Janae' Collier)*
LUNCH					
13:15 - 14:00	*Intro to Ocean Modeling (Joseph Ansong)*	Day at NIOMR	*Intro to a Data-Constrained Climate Model (Dimitris Menemenlis)*	*Ocean Transport (Gregory Wagner and Simone Silvestri)*	*Your Science Matters: Share Your Work via BIMS and Participate in Global Citizen Science Efforts (Symone Barkley)*

Synchronous virtual-only content



Pre-recorded lectures

Introduction to Hydrographic Science and Ocean Mapping
Stephan Howden

Introduction to NASA Physical Oceanography Distributed Active Archive Center (PODAAC)
Jinbo Wang

Introduction to marine data visualization in Ocean Data View
Winn Johnson

Sound in the sea: what we can learn if we listen
Lora Van Uffelen and and Kathy Vigness-Raposa

Ocean modeling for the 21st century
Raffaele Ferrari

Asynchronous labs (Python labs in rectangle)

Python data analysis and visualization with ARGO floats
Daniel Quaye

Multi-dimensional data analysis and visualization in Python
Paige Martin

ECCO data analysis with Python
Paige Martin

Intro to git and GitHub
Paige Martin

Python programming: How and where to ask for help
Paige Martin

In-person labs

Satellite Oceanography
Eben Nyadjro

Ocean Modeling
Joseph Ansong

Labs from previous years

Data analysis and visualization in python
Paige Martin

Making pretty maps from your data
Josué Martinez-Moreno

How to read this schedule:

1. Most colored boxes are a clickable link to a page in this document with more details and Zoom links.
2. Colors signify a connection between the content. E.g. the orange color on the graphical schedule is a tutorial for the lab in orange shown in "Asynchronous labs" above. All yellow boxes are the 2-5pm virtual synchronous content. The 2 purple boxes are opening/closing ceremonies.