OCN 479-001

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Today

- Prep for tour of Ocean Instrumentation Lab
- Lab: Learn to distinguish git from GitHub and their combined capabilities
- Homework: Prepare to give a short (3–5 mins) presentation next week on your data

Presentation guidelines

- Team up with one other person (last week's lab teammate) and pick your favorite dataset on https://cormp.org/. Give a short (3–5 minutes) presentation in class on Sep. 16 on the following:
  - What the parameter(s) is(are)
  - How they were measured (look up sensors that measure your parameter)
  - What studies it would likely be used for
  - Important technical specifications (look up on website and/or product datasheets)
  - Why you picked it
- Your presentation should be no more than two or three slides which you will submit on Canvas (via the Assignment post)
- You will also deliver presentation in class on Sep 16 or 23, time-dependent

What's the point?

- Familiarize yourself with cutting-edge coastal technologies and datasets
- Connect technology with applications
- Begin conversations about key metrics (e.g., accuracy, precision, stability, response time, endurance/lifetime, servicing intervals, technical needs)

GitHub

Introduced briefly in OCN 350; to be used extensively in OCN 479

Reinforces “open science and engineering” concepts

Enables collaborative coding with a little more code stability than something like google docs. Collaborate with…

Teammates	Rest of this class	Future classes	People anywhere/anywhen in the world

Including links to GitHub repos on resumes/CVs will be very attractive to employers/graduate schools!

GitHub exercise

- Read this page: https://github.com/SUPScientist/Smart-Coasts/tree/main/Class-02-OILab-Tour
- After reading everything, complete at least the required and ideally the optional steps