SIOC 209 - Hacking 4 the Environment: Oceans
Assignment 8

Take a step back and solidify your understanding of the scientific concepts that underpin your MVP. Provide enough information so that a new listener/potential beneficiary will understand the importance of your problem which will help to motivate your MVP.

Presentation Template

- **Slide 1**: Title slide
  - Team name
  - Number of interviews this week, number of total interviews, number of emails outstanding
  - The problem as you started and the problem you are solving as things currently stand
- **Slide 2**: Project Background
  - Give enough background on the space (**not necessarily your team's journey**) so that you can motivate your MVP to a new user.
  - Provide a short, high-level explanation of the science underlying your problem
- **Slide 3**: Demo your MVP
  - Walk a potential user through your MVP and how they would use it
- **Slide 4**: Differentiate your MVP
  - Differences between your MVP and existing solutions or strategies
- **Slide 5**: Technical Plans
  - Development plan: What technical work do you plan to finish before the end of the quarter?
- **Slide 6**: Deployment & Business Model
  - Final ideas on business model you would you use to deliver your product or solution.

Team Specific Background

- Carbon Capture
  - Explain the processes (chemical/biological/physical) that drive carbon sequestration
  - Why are coastal/ocean environments so much more efficient than terrestrial environments?
- Aquaviz
  - Give history and technical background for Spray Glider/Argo float (how/where were they developed, what is their data coverage, how are they being used scientifically)
  - Look into RoboNation (organization behind seaglide) and talk about their various programs, how the seaglide fits in, and where can they benefit from a scientific viewpoint vs robotics
- $(QC)^2$
  - Give a broad overview of the ecology of southern California marine environments
  - What species would you expect your users to encounter and how might this shape your development?
- Aquaholics
  - What can you expect to see on the sea floor (geology, biology, pollution)?
  - Provide relevant characteristics of the seafloor in the area of the world that your datasets pertain to
  - Explain how different features will manifest in each of your datasets
- Current Events

- Explain the science behind rip currents, what role do water level, waves, and bathymetry play?
- Where are rips historically dangerous? Why?