

Release Plan

Team: AI for Oceans

Release: 1.0

Revision: 22 October 2021

High Level Goals

- We will design a website to display information about AI for Oceans. We are not responsible getting the website hosted currently, but we want to make that process relatively simple.
- Users will be able to view and download datasets through links on the website.
- Through data visualization of ML labeled data, we will demonstrate the use of ML within ocean science.
- We'll guide users through a simple ML for ocean science development pipeline

User stories

Sprint 1 – Communication with client and scope reduction

- [10] As an ocean scientist, I want a website to describe my lab's work so that my research can be found by others

Sprint 2 – Website skeleton

- [2] As a researcher, I want to credit my team on my lab's website so that credit is given where it is deserved
- [3] As a researcher, I want my website to describe my lab goals, research, and unique voice so that our users have a clear understanding of what we do
- [3] As a researcher, I want a modern, user-friendly website for my lab so our work can be presented well

Sprint 3 – Dataset page

- [5] As an ocean scientist, I want to easily find datasets so I can more quickly iterate ML models
- [2] As an experienced ML programmer, I want to find datasets quickly so that I can test hypotheses
- [3] As a marine biologist/ML prog., I want to see the specs on the data so that I choose datasets that are relevant to my research

Sprint 4 – ML development pipeline and demonstration

- [5] As a marine biologist, I want a tool teaching me to use ML so I can apply it to ocean science
- [5] As an ocean scientist, I want a demonstration of ML in ocean science so I can decide if it is right for my problem

Product Backlog

- Goal: Design a website for AI for Oceans that allows them to display information about their lab
 - As an Ocean scientist, I want a website to describe my lab's work
 - As a researcher, I want to credit my team on my lab's website
 - As a researcher, I want my website to describe my lab goals, research, and unique voice
 - As a researcher, I want a modern, user-friendly website for my lab
- Goal: Users will be able to download datasets from the website
 - As an ocean scientist, I want to easily find datasets so I can more quickly iterate ML models (2)
 - As an experienced ML programmer, I want to find datasets quickly (1-2)
 - As a marine biologist/ML prog., I want to see the specs on the data (3)
- Goal: Demonstrate machine learning's use in AI
 - As an ocean scientist, I want to see how AI can be used in my field
 - Heatmap of AI labeled data
- Goal: Guide ocean scientists through developing a ML solutions and data analysis tools
 - As an ocean scientist, I want to see how AI can be used in my field