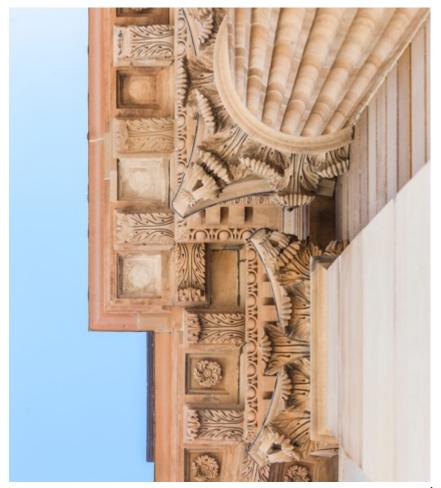
Reef 8

Meeting minutes &
Action point slides
Date: 25/03/2023 (Week 5)





1

Progress and action points

- Brainstorm
- Decide target audience
- Decide deliverable
- Collect more data
- Understand how different data file can be loaded
- Generate a brief report on the data

Brainstorm

Brainstorm:

- Variables- temperature, salinity, cyclones, sediment runoff, time (future predictions), reef depth, latitude, coral diversity, chlorophyll
 - Reef recovery chlorophyll levels (fish productivity)
- Audience:
 - Kids/ Highschool students might help if we make an app where we talk about animal health, i.e fish
 - Countries that was in greater risk of getting affected by coral bleaching, i.e countries depended on fishing
 - Help traveler who interest in coral to make better travel decision
- Visualization -
 - Through time/ temperature show the coral bleaching

Impacts of coral reef bleaching around developing countries on fishing

Target Audience: Relevant institutions in developing countries. Make them aware of the effects of coral bleaching.

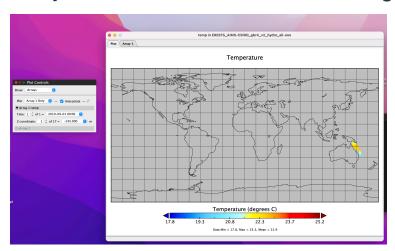
Deliverable: A complete report of coral bleaching from various causes. Make adjustments within the country's power to protect the reefs and keep the industry in balance with the ecology.

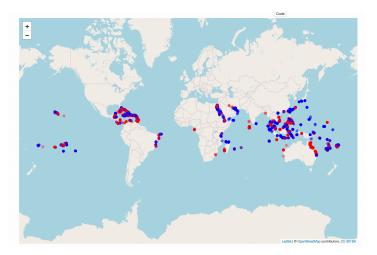
For future: A regularly updated web page. It contains information about coral reef bleaching and predictions for the future. It helps the government to be able to understand current information and make reasonable policies.

Dataset

https://thredds.ereefs.aims.gov.au/thredds/s3catalogue/aims-ereefs-public-prod/derived/ncaggregate/ereefs/gbr4_v2/all-one/catalog.html?dataset=EREEFS_AIMS-CSIRO_gbr4_v2_hydro_all-one.nc

Marine students helped Data students find and visualise a portion of the data (on corals near Australia). This is just one example from which Marine students can analyze the causes of coral bleaching.





Plan for next week

- Confirm and go over topic, plan out roadmap
- New dataset for selected factor:
 - Reef data: https://allencoralatlas.org/
 - Surface temperature: https://data.giss.nasa.gov/gistemp/maps/index.html
- Dataset initial analysis:
 - cleaning data
 - choosing potential variables
- collect more potential dataset

Data&Marine

Find data for the target sea area (developing countries in Southeast Asia).

Look for data from more perspectives (perhaps including ocean currents, monsoons, El Niño, La Niña phenomenon). Coral bleaching is not only due to nearby countries.

Have a discussion with Data students about what kind of visualisation or prediction they would like to see.

This week requires learning how to open various data formats.

A more reasonable data report based on marine students is given for easy reading by marine students.

Talk to Marine students at the next week's meeting and tell them the results of our analysis. This may include some test interpretation, visual interpretation.

Challenges and questions

- Challenge 1: Decide target Audience
- Challenge 2: Handle different file
- Question 1 Data: Which language should we use base on so many different files?
- Question 2 Marine: How to collect more comprehensive data and find the most useful among different data?

Meeting minutes

Project team members: Aaron, Alexander, Saanvi, Rubaina, Geordie, Juliette,

Sangyu Shi, Yilin

Date and time of meeting: 20/03/2023 Team members present: All member

AGENDA

Item	Discussion	Actions (who)	
Target Audience	Impacts of coral reef bleaching around developing countries on fishing	All member	
Data collection	Collect what data we need	Marine Students	
Share Figure	Share figure in asm1 with Marine students	Data students	

Next meeting date and time:

Group member responsible for finalising/submitting minutes:

Meeting minutes

Project team members: Aaron, Alexander, Saanvi, Rubaina, Geordie, Juliette,

Sangyu Shi, Yilin

Date and time of meeting: 24/03/2023

Team members present:

AGENDA

Item	Discussion	Actions (who)
Share Data	Discuss about the data	Marine studnets
Analyse data	Try to get familiar with csv/nc/rdata	Data students

Next meeting date and time:

Group member responsible for finalising/submitting minutes: