AODN Hackathon
07 - 09 May 2024
Hobart, Tasmania

Meeting Overview

Welcome to the IMOS-AODN Hackathon.

Combining coding tutorials and collaborative project work, this three-day event aims to help the academic community develop coding proficiency in a collaborative environment with Integrated Marine Observing System (IMOS) staff and the end-users of IMOS data. If you work with IMOS data, this is a great opportunity to share any insights and challenges you might encounter directly with the IMOS-AODN Project Officers.

The IMOS-AODN Hackathon is an in-person event open to anyone who currently uses, or has an interest in using, IMOS data.

When: 7th-9th of May, 9am - 5pm.

Where: IMAS Salamanca

      7th IMAS Boardroom (All day)

      8th IMAS Boardroom (All day)

      9th IMAS Boardroom (Morning); Flex Space (Afternoon)

Other instructions:

- If you feel unwell, please do not attend.

Program

Tuesday 7th May

Time (AEST)	Topic	Speaker(s)	Presentation + Questions
9:00	GitHub setup tutorial	Denisse Fierro Arcos (DMS)	45 min – 60 min
10:00	Morning Tea		
10:30	Remote data access in Python / Loz examples	Marty Hidas (AODN)	45 min – 60 min
11:30	Project Pitch	Natalia Ribeiro (IMOS Office)	45 min
12:15	Lunch		
13:15	Accessing and reading IMOS data in R	Vinay Udyawer	45 min – 60 min
14:15	Project Work	All	45 min
15:00	Afternoon Tea		
15:30	Project Work	All	90 min
17:00	Close for the day		

Wednesday 8th May

Time (AEST)	Topic	Speaker(s)	Presentation + Questions
9:00	Exploring extreme ocean temperatures using Python and R	Michael Hemming (UNSW)	45 min – 60 min
10:00	Morning Tea		
10:30	Using R to extract and visualise IMOS data to understand animal occurrence datasets	Vinay Udyawer	45 min – 60 min
11:30	Q&A	Michael and Vinay	45 min
12:00	Lunch		
13:00	Project Work	All	120 min
15:00	Afternoon Tea		
15:30	Project Work	All	90 min
17:00	Close for the day		

Thursday 9th May

Time (AEST)	Topic	Speaker(s)	Presentation + Questions
9:00	Coding with AI	Natalia and Denisse	45 min – 60 min
10:00	Morning Tea		
10:30	Project Work	All	120 min
12:30	Lunch		
13:30	Room change	All	15 min
13:45	Project Work		
15:00	Afternoon Tea		
15:30	Project presentations	All	60 min
16:30	Close for the day followed by drinks for those interested.		