

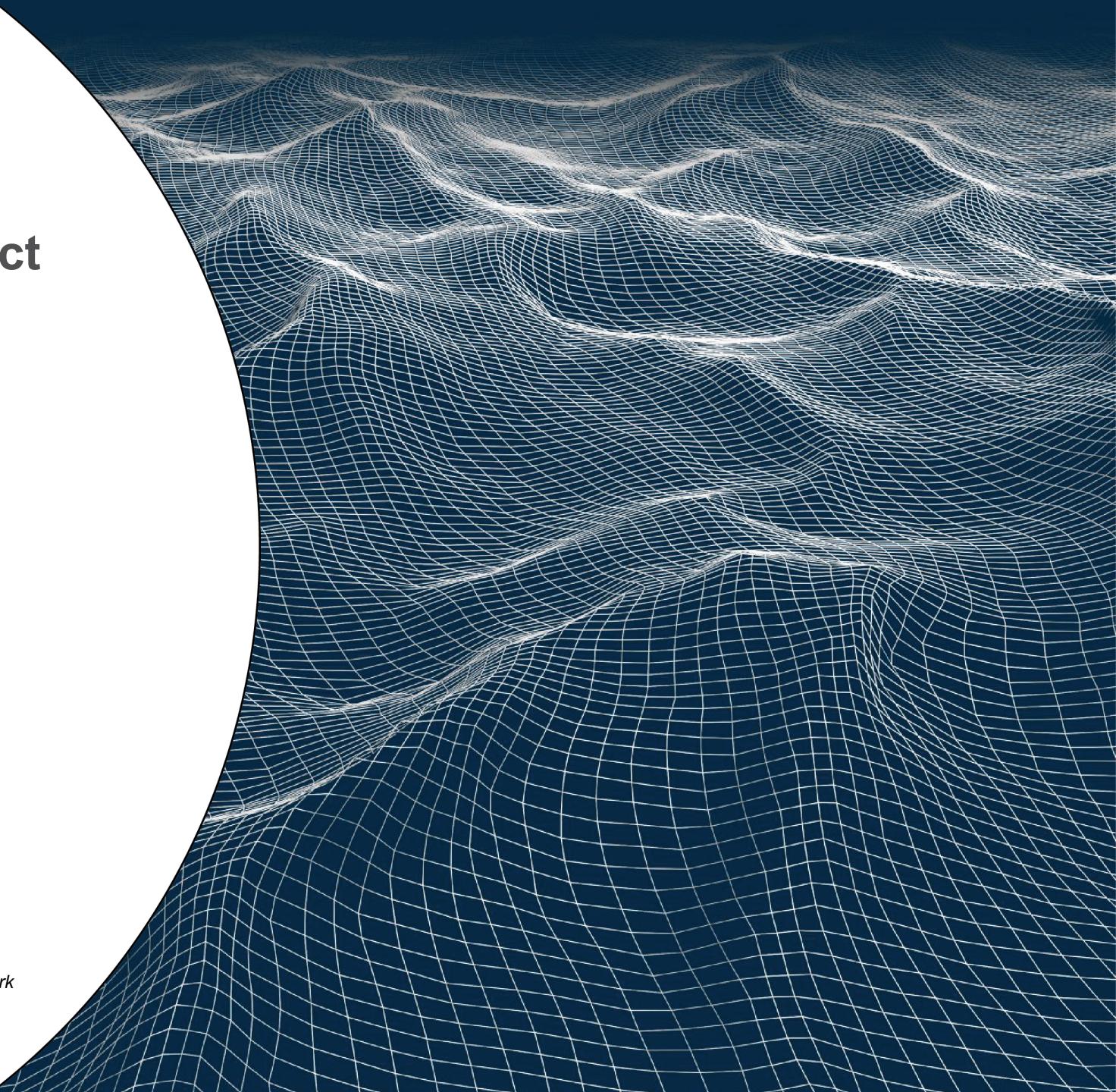
Air-sea_PACK

An IMOS-AODN Hackathon Project



Integrated **Marine**
Observing System

IMOS acknowledges the Traditional Custodians and Elders of the land and sea on which we work and observe and recognise their unique connection to land and sea. We pay our respects to Aboriginal and Torres Strait Islander peoples past and present.



What and How?

Create a package or a series of notebooks that relate atmospheric data to the IMOS Moorings Long-term Time-Series (LTS) product.

Anything and everything counts: winds, modes of variability, climate drivers, etc.

Structure of the Project

ISSUE 1: Identify atmospheric data on the AODN Portal and create notebooks that:

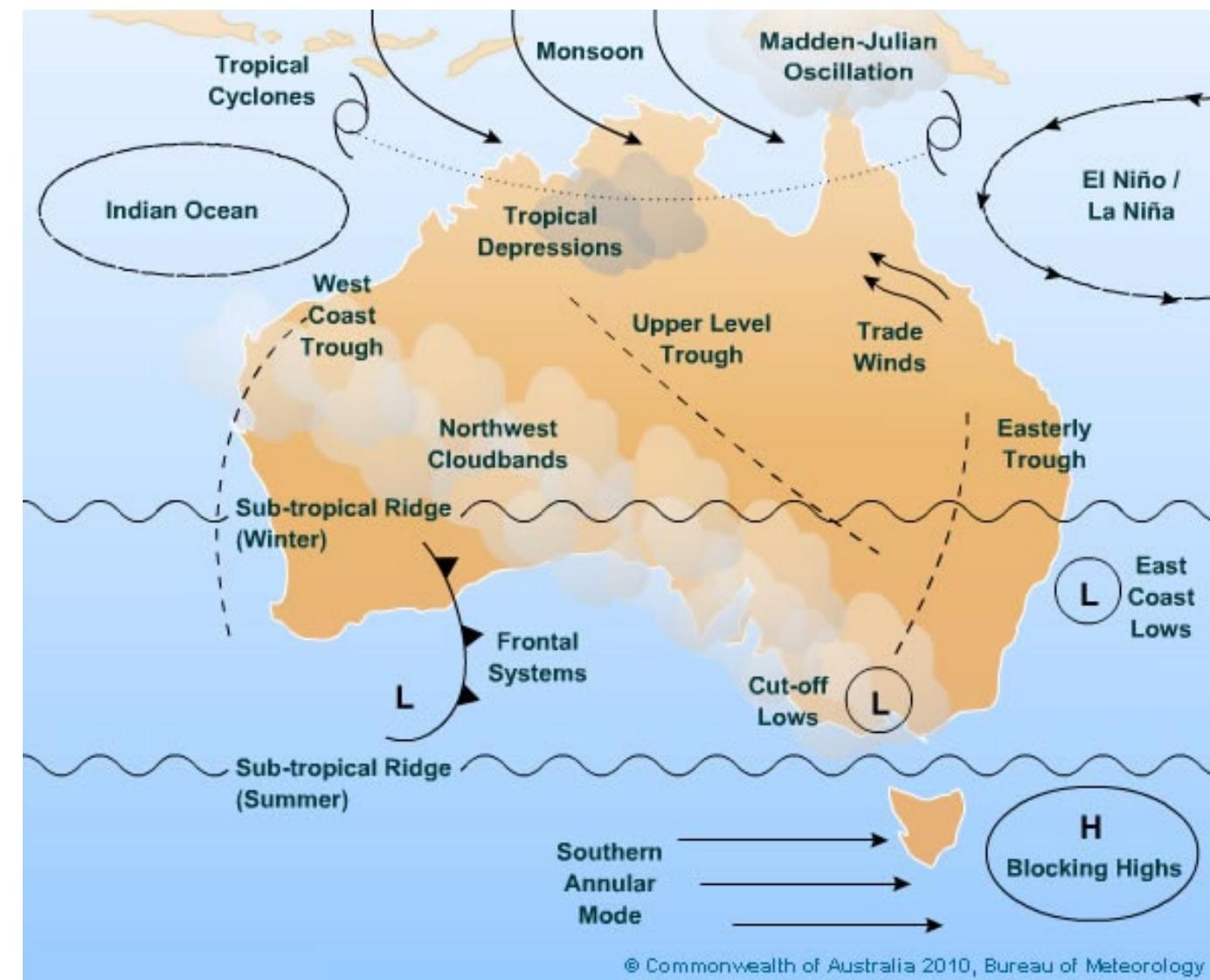
- Access these data
- Correlate the atmospheric data with the LTS products.

ISSUE 2: Identify relevant modes of variability and create notebooks that:

- Download the indexes for these modes
- Correlate them with the LTS products.

ISSUE 3:

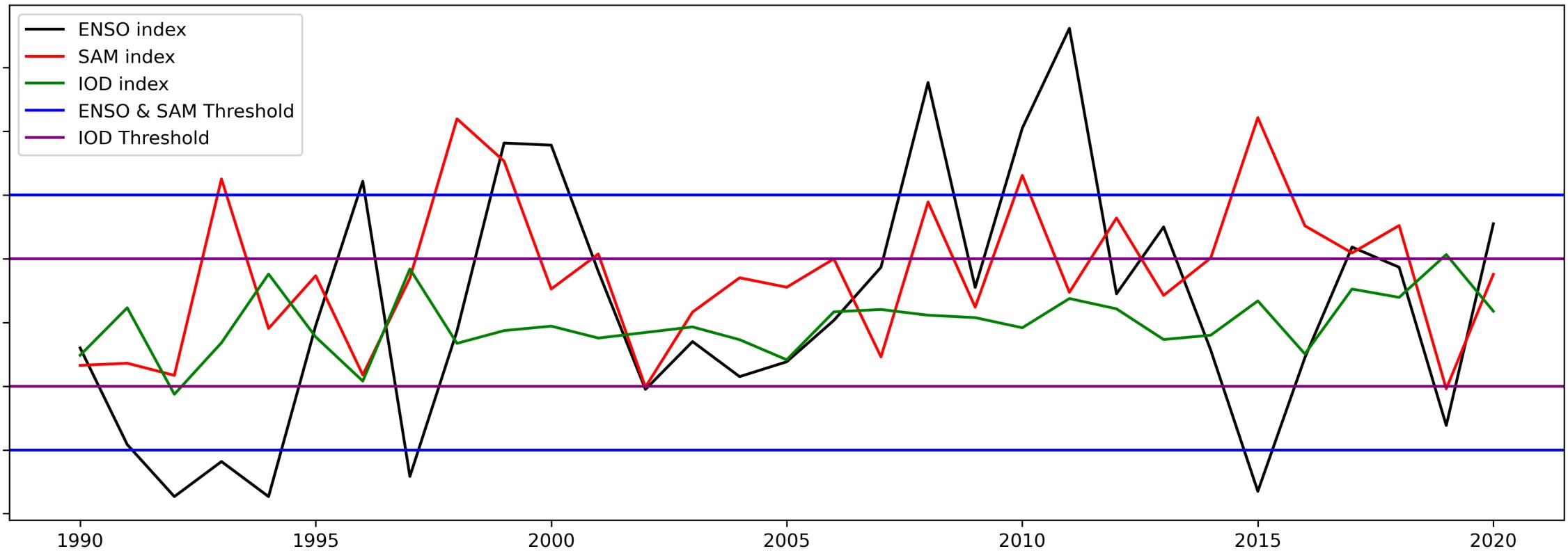
- Create notebooks investigating the relationship between other important climate drivers and salinity and temperature variability through the LTS products.



Question: How can we establish if they have any correlation to the LTS? Do they have a established index or we have to built them?

Examples:

- SAM, ENSO, IOD indexes.



- Other climate drivers: Antarctic Polar Vortex

