



AIR CENTRE

# Atlantic International Research Centre

Jose Luiz Moutinho

Panel Session

IOC Ocean Best Practices System Steering Group Monthly Meeting

January 11, 2023





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# Ever expanding Network

Flexible, distributed and inclusive approach



## Collaboration Agreements

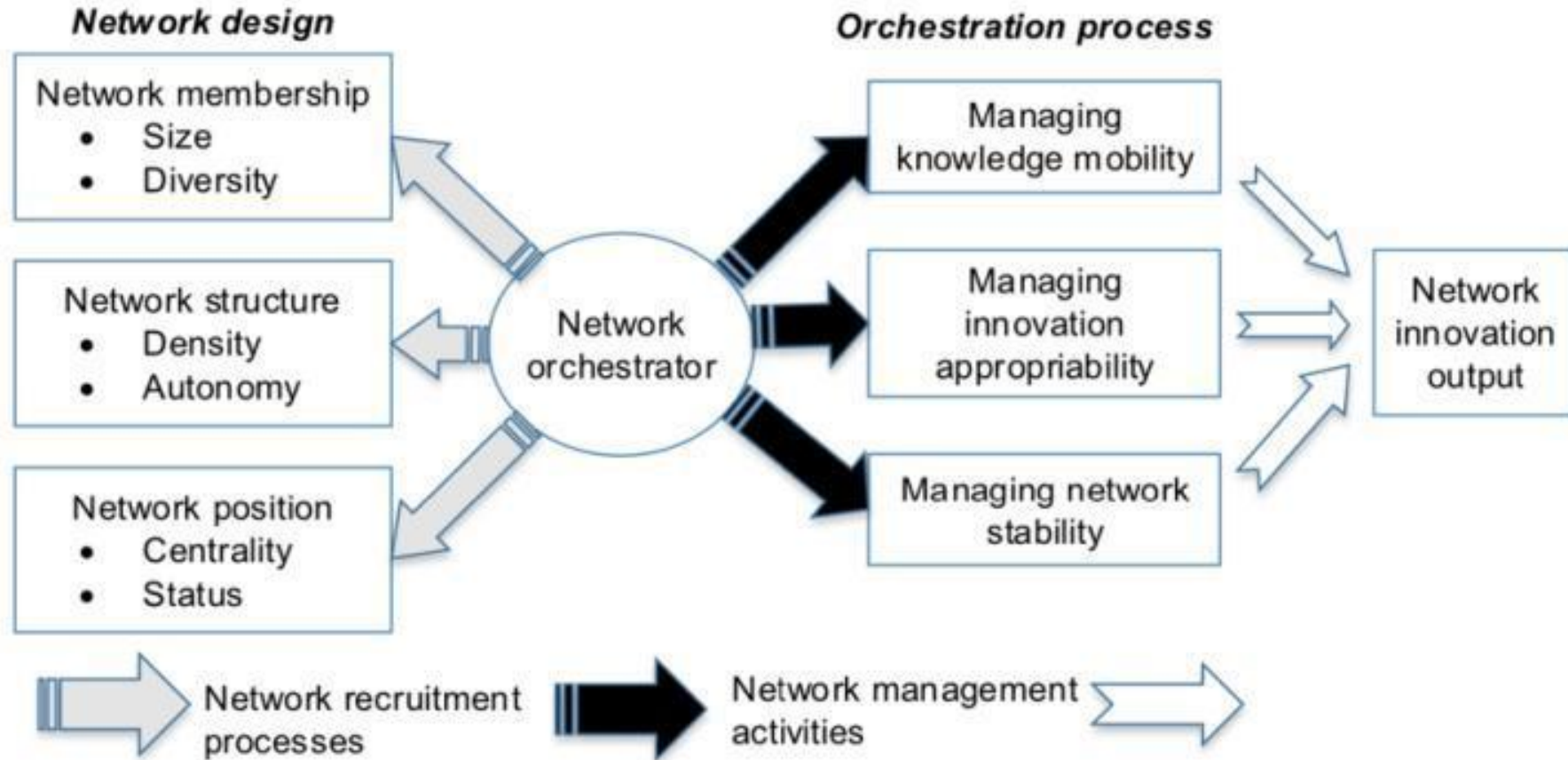


## Supporting



# What do we do?

## Orchestrating Innovation Networks



Source: Adapted from Dhanaraj and Parkhe (2006<sub>[21]</sub>) *Orchestrating Innovation Networks*.

Source: Rethinking Innovation for a Sustainable Ocean Economy, OECD 2019



# NETWORKING FRIDAYS

April 2020 > October 2022



**13,591**  
REGISTRATIONS



**335**  
PANELISTS



**20k**  
YOUTUBE VIEWS

**90k**  
WATCH TIME VIEWS



**80**  
SESSIONS



**13,102**  
TOTAL NUMBER OF  
USERS



**13,508**  
UNIQUE VIEWS



**704**  
YOUTUBE LIKES



**145**  
COUNTRIES AND  
OVERSEAS TERRITORIES



AIRCENTRE

<http://aircent.re/netfridays>

# 5TH FORTALEZA AUSTRAL SPRING SCHOOL

NOVEMBER 21, 2022 | 12:00 UTC



Insights into the perceived persistence and  
photochemical fate of plastics in the ocean

Dr. Collin P. Ward

**inspire.**  
International  
Spring School  
in Marine Science

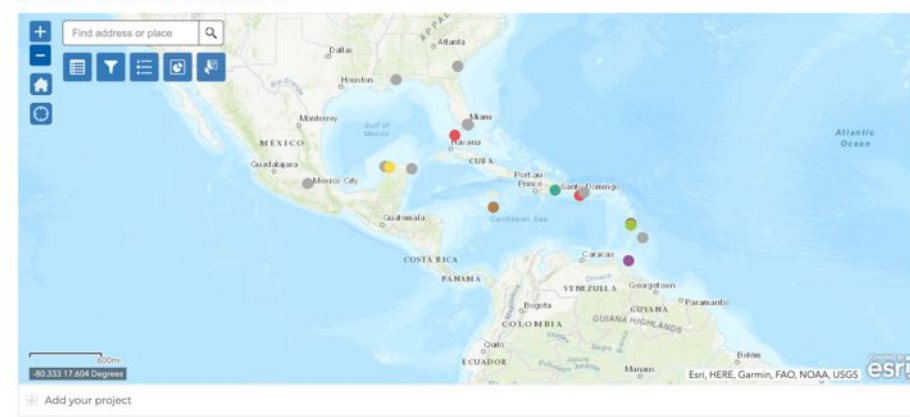


# SARGASSUM INFORMATION HUB

Information about Sargassum in the Tropical Atlantic

JOIN THE SARGNET LISTSERVE!

## SARGASSUM PROJECTS



## DOWNLOAD AND SUBMIT DATA

### PELAGIC SARGASSUM REPORT

Collecting and openly sharing Sargassum Observations in the Tropical Atlantic

This survey is an effort to collect in-situ Sargassum observations to collocate with satellite and model data. Since 2011, large influxes of Sargassum are affecting the Caribbean and Gulf of Mexico, representing a materialized risk for the environment, society, and economy of these regions. There are continuous reports linking massive arrivals of Sargassum to beach inundation, coral reef degradation, tourism industry disruption, coastal erosion, and sea turtle nesting, among other multiple (and mostly negative) impacts. The purpose of this survey is to gather information about Sargassum observations in the Gulf of Mexico and Caribbean Sea regions. The core objective of this effort is to create a publicly available database that could be used to validate satellite and forecast products. This dataset is stored and managed by the CoastWatch Caribbean and Gulf of Mexico regional node at the Atlantic Oceanographic and Meteorological Laboratory (NOAA/AOML).

Want to know more?

### SARGASSUM WATCH EPICOLLECT PROJECT

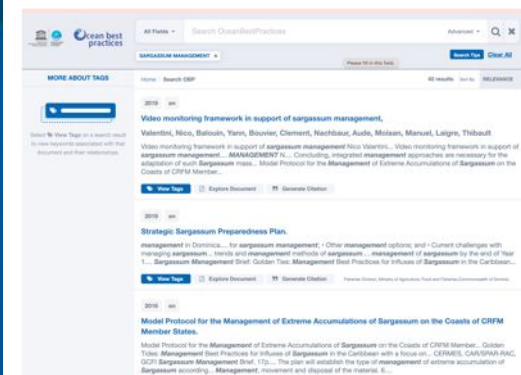
The goal of the "Sargassum Watch" citizen science project is to monitor the influxes of algae: Sargassum on local coastal areas in Florida and the Caribbean. We use collaborative target groups and the app "Epicollect2" to collect observational data of both the site and Sargassum species present before being uploaded onto the database. Data uploaded is available for use as long as the data source is properly acknowledged. If you use our data from Epicollect2, please send an email to [th-C.Caribbean@esri.com](mailto:th-C.Caribbean@esri.com) based at the Marine Macroalgae Lab, within the Florida International University and mention both the Epicollect2 App and the "Sargassum Watch" Citizen Science project.

Want to know more?

## PROTOCOLS AND GUIDES FOR MANAGING SARGASSUM

Have a protocol or guide you'd like to share?

UPLOAD IT TO THE OCEAN BEST PRACTICES REPOSITORY HERE



## Pre-announcement: 2nd Joint Call for Projects on Causes of Sargassum Blooms



This call for projects aims to provide pragmatic solutions to the Sargassum stranding and enrich the knowledge on this phenomenon that affects more particularly the islands of the Caribbean. The call focuses on three themes:

1. Construction of a common data set to feed the different hydrodynamic models
2. Biological model of Sargassum for coupling
3. Development of an integrative model coupling hydrodynamics and biology of Sargassum explaining the variability of Sargassum events

It is a joint call by the French National Research Agency (ANR), the National Council of Science and Technology of Mexico (CONACYT), the Brazilian regional agencies of the state of São Paulo and Pernambuco (FAPESP and FAPCEP), as well as the Dutch Research Council (NWO), for the funding of research consortia.

Opening September 2020. Deadline for submissions November 2020

For more information and to submit a proposal, visit the ANR website by clicking here.

Share this entry







# AA-MARINET

## Development & Management Group Community Group (RI operators)

- Design/implementation of the Web portal
- Oversees and evaluate activities
- Ensure involvement of the All-Atlantic ocean community



## Guidelines

Guidelines for optimizing the use and sharing of research infrastructures



## Global View of Observation Activities

### Monthly Scenario

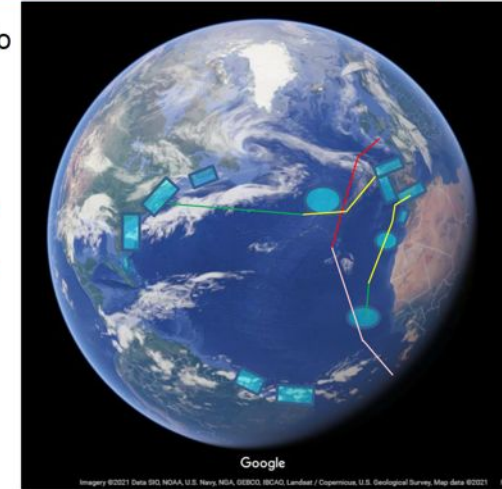
June 2021

July 2021

August 2021

September 2021

October 2021



SHIP Obs

- Completed
- Ongoing

Glider Lines

- Completed
- Ongoing

Regional Areas



## Case-Study



Ship-time sharing and cooperation opportunities



## Thematic Areas Networking

- Plankton imaging (I-ITAPINA)
- Coastal observation (AA-COASTNET)
- Polar research infrastructures (NMRI-PR)

Organized by:

**EU-PolarNet** **EUROPEAN POLAR BOARD 1995 - 2020**

**SIDE EVENT**

**Networking from pole to pole: facilitating access for research and infrastructure**

All-Atlantic 2021

2021 PORTUGAL-EU





# EU MISSIONS

**RESTORE OUR OCEAN & WATERS**

**BY 2030**





# Ocean and Coastal Information Workshop in Faial, Azores

As an administrator (Directorate for Fishing), I would like to know where the **biodiversity hotspots** are, in order to support the management of fishing activities

As [several researchers], we are concerned about the negative **impact that coastal constructions (streets, harbours, etc) have on biodiversity** like e.g. Dusky grouper (needs tidal pools) or Fucus Seaweed (does not attach on smooth substrates like concrete).







# Ocean and Coastal Information Workshop in Sao Vicente, Cape Verde

As a researcher (INDP), I would like to have good **bathymetry data**, in order to better study 13 poorly understood sea mounts

As fishermen, we would like to be able to **receive timely weather information in our mobile phones**, in order to significantly reduce the number of fatalities in high seas







# Ocean and Coastal Information Meetings in Sao Tome and Principe

As an investor, I would like to have good **bathymetry data and ocean currents models** for offshore aquaculture site selection

As policy maker, I would like to be able to **integrate ocean, coastal and land information**, in order to implement and monitor multilateral, national, local programmes / projects for sustainable development.







# Ocean and Coastal Information Meetings in Angola

As a researcher, I would like to **share infrastructures**, such as the Baia Farta Oceanographic Vessel, and promote partnerships for **capacity building**

As policy maker, I would like to **monitor land use to prevent coastal erosion and deforestation** (namely mangroves).







# Emphasis on capacity, institution building

## Workshops, fellowships, mobility of researchers



**PennState**



# BLUEMISSION AA

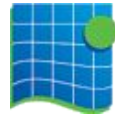
Building a coordination hub to support the mission implementation in the *Atlantic and Arctic Basin*



# PARTNERS



AIR CENTRE



*Foras na Mara*  
*Marine Institute*



ICES  
CIEM

International Council for  
the Exploration of the Sea

Conseil International pour  
l'Exploration de la Mer



Norsk institutt for vannforskning



UCC

University College Cork, Ireland  
Coláiste na hOllscoile Corcaigh



FRCT

FUNDO REGIONAL PARA A CIÊNCIA E TECNOLOGIA



IPMA



Plataforma Oceánica  
de Canarias



CPMR  
CRPM

Conference of Peripheral Maritime Regions



Fraunhofer



Sociedade Portuguesa de Inovação



Consiglio Nazionale  
delle Ricerche



Syddansk Universitet



# Objective 1

**Protect and Restore**  
Marine and freshwater ecosystems and biodiversity

## Specific targets

- **Protect** at least 30% and strictly protect 10% EU's sea areas;

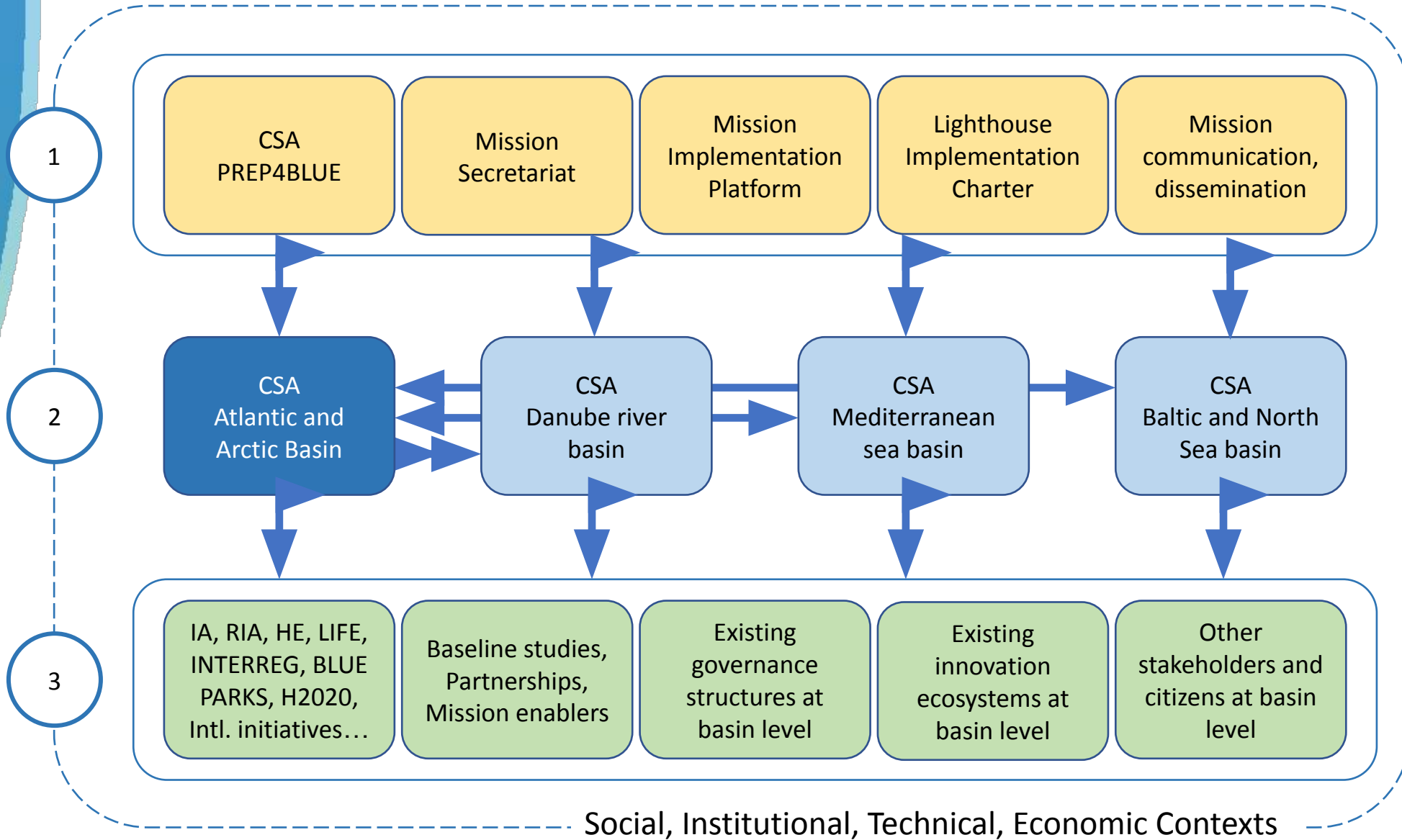
- **Restore** 25.000km free flowing rivers

- **Contribute to the marine nature restoration targets**

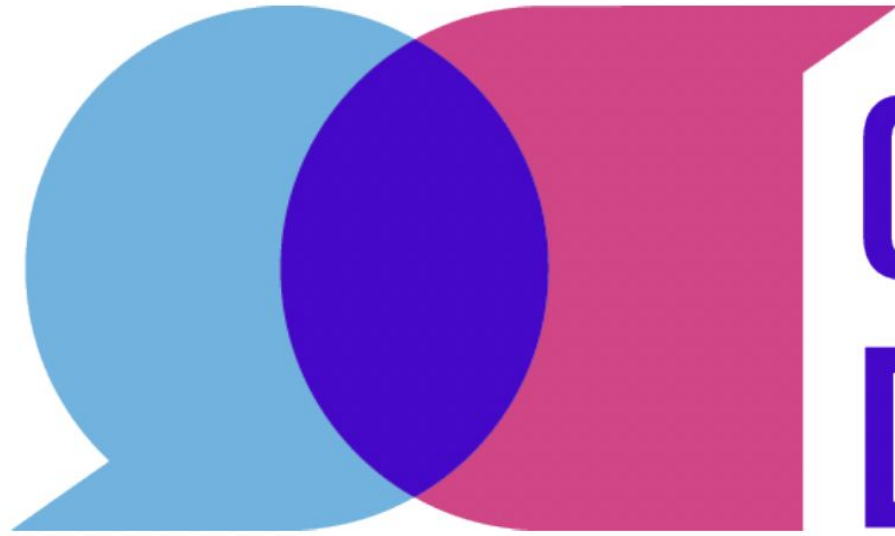


- A realistic, **long lasting governance framework and governance options** informed by multidisciplinary and multi-sectoral cooperation and perspectives
- A robust, consistent, and interoperable **monitoring framework to assess the implementation of the Mission objectives and targets**
- A comprehensive and accessible **catalogue of technical and business support services**
- Basin **scale innovation ecosystem** that is attractive to investors, funders, donors, businesses and entrepreneurs
- Citizens actively engaged through co-design, co-deployment, and co-monitoring **during the Mission implementation in the Atlantic and Arctic seas basins and beyond**

# Layers of Interactions







# CONFLUENCE DIALOGUES

THESE DIALOGUES WILL PUT TOGETHER STAKEHOLDERS WITH DIFFERENT VIEWS TO FIND COMMON GROUNDS, TO WORK TOGETHER FOR PRESERVING AND RESTORING MARINE AND COASTAL ECOSYSTEMS AND BIODIVERSITY.

 **mastodon.ocean**  
n





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# AIR Centre Contacts



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