

# EARLY CAREER SCIENTISTS NETWORK (ECSN) OF IIOE-2

A platform for capacity development and collaboration

ADITI MODI – CO-CHAIR OF IIOE-2 ECSN

IOCINDIO Workshop on Strengthening Ocean Sustainability  
19–20 May 2025



# HISTORY

Formed on *2nd December 2015* at the National Institute of Oceanography (NIO), GOA

**Originated** : Session “ Recent Results from Early-Career Scientists in Indian Ocean Research” during IO-50 conference

**Aim** : Bring together young scientists from IO rim-countries to better understand the under-explored IO.



First ECSN meeting on 2 December 2015 at NIO, Goa | PC: B. Kürten

# OUR COMMUNITY

Members as of 6 May 2025	350+
Core-Committee Members	9
Advisory Committee	5

## Core Committee Members



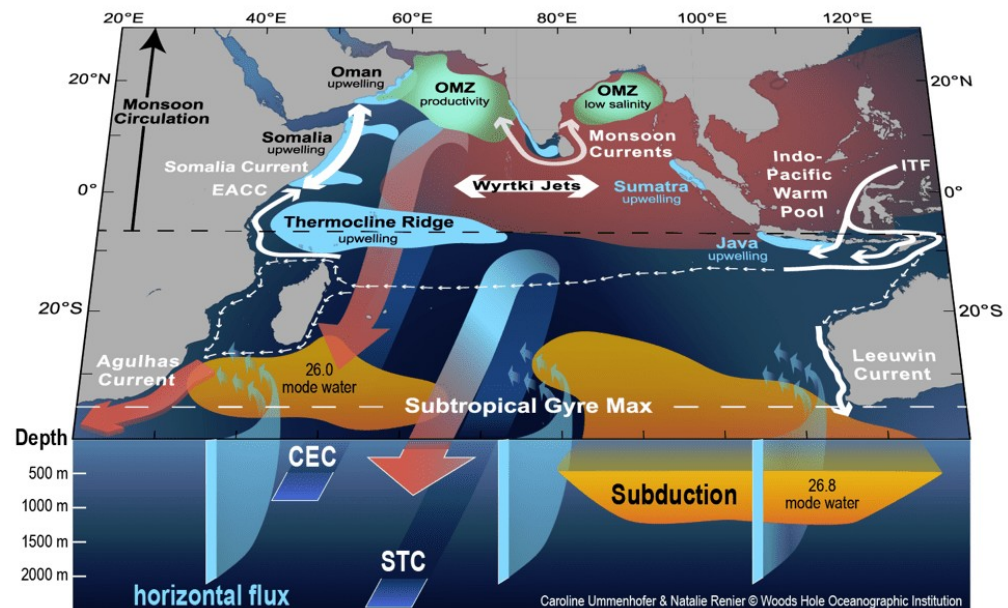
Each member with a unique membership ID (IIOE2-ECSN-XXX)



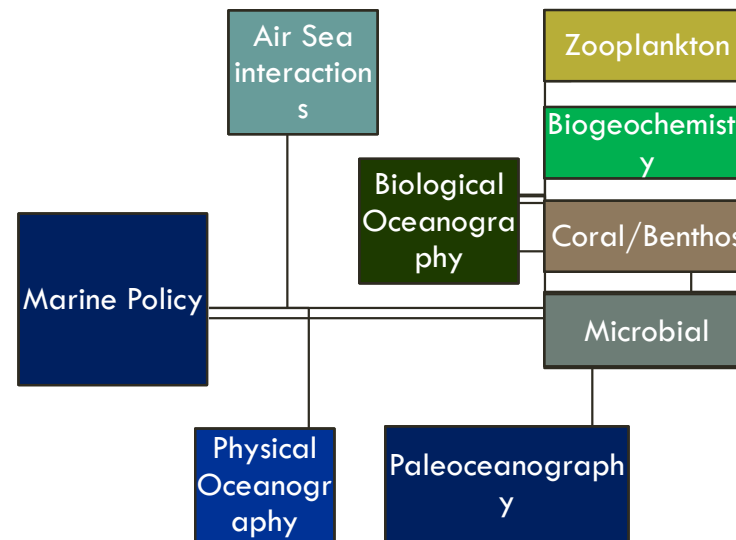
WE ARE...

Basin Focused

### Indian Ocean Features



Multi-disciplinary



Geographically diverse



# OBJECTIVES



**Facilitate ocean research** and related fields for early career scientists



Enhance **scientific collaboration** among early career researchers



To organise **meetings, workshops, training courses** and other related events at regional and international levels



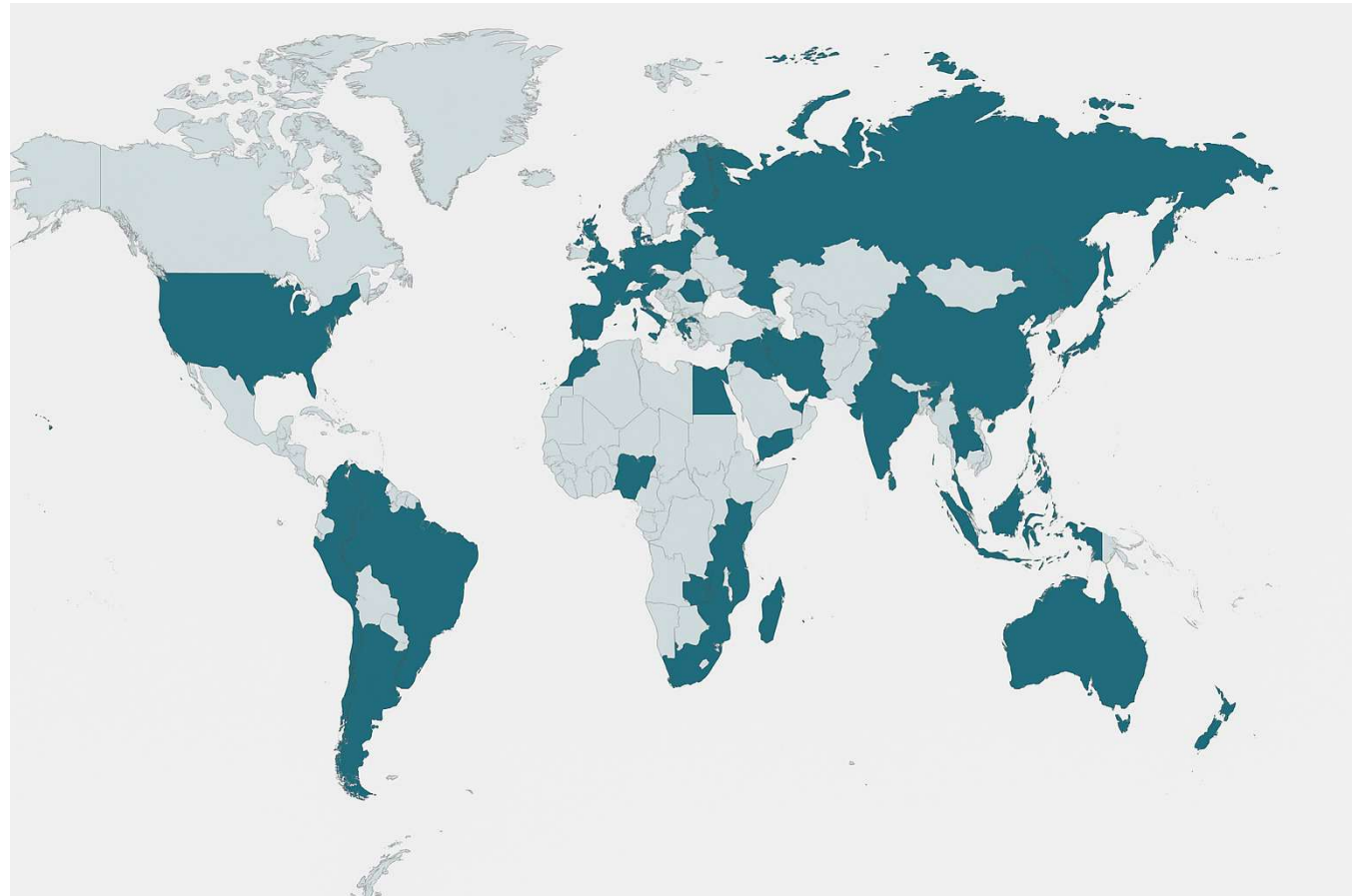
**Connect and collaborate** with groups having complimentary objectives



Bridge the ECSN group with **senior scientists** and working groups under IIOE-2 framework

# GEOGRAPHIC DISTRIBUTION

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# Metamorphosis of ECs from a learner to a mentor



2021  
2030 United Nations Decade  
of Ocean Science  
for Sustainable Development

## CAPACITY BUILDING

### DEVISING EARLY-CAREER CAPACITY DEVELOPMENT-INDOCN (DECCAD-10)

#### Lead institution:

Early Career Scientists' Network at IIOE-2 JP0, INCOIS – India

#### Action Items:

Organize 10 major capacity building events during 2023–2027

#### Progress So Far:

4 workshops completed in 2 years

5th workshop scheduled for this week

# DECCaD-IO



- Placing ECs at trainers, mentors seat
- Cultivation of EC Capacity Development skills for quicker percolation across the EC networks
- Each one, teach ~~one~~ MANY!



## Lead institution:

Early Career Scientists' Network at IIOE-2 JPO, INCOIS – India

This is a project application for endorsement under Ocean Decade (OD) programme no. 15 Early Career Ocean Professionals (ECOPs), of the capacity development initiative "Devising Early-Career Capacity Development in the Indian Ocean region" (DECCaD-IO).





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**2021  
2030** United Nations Decade  
of Ocean Science  
for Sustainable Development

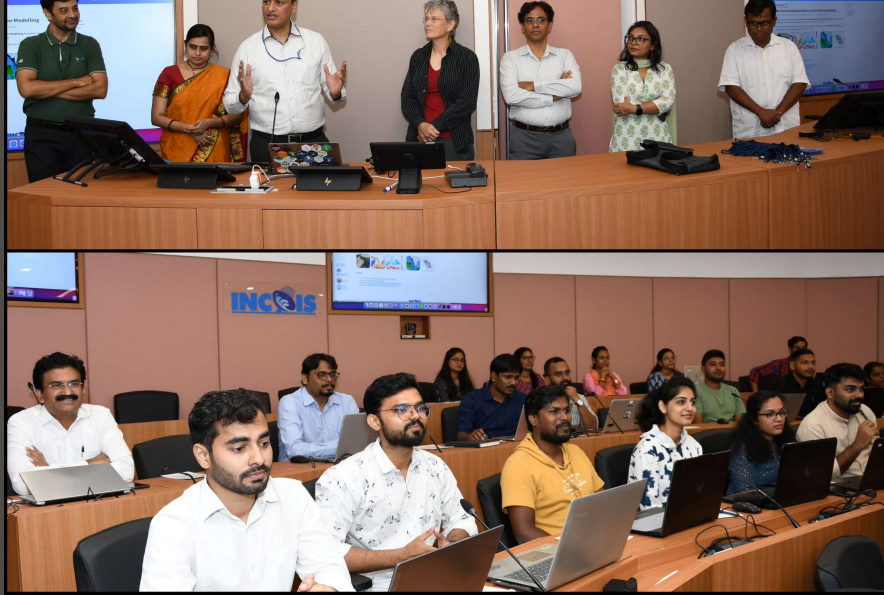
# DEVISING EARLY-CAREER CAPACITY DEVELOPMENT-INDOCN (DECCAD-10)

**Lead institution:**  
**Early Career Scientists' Network at IIOE-2 JP0, INCOIS – India**

**Partners:**



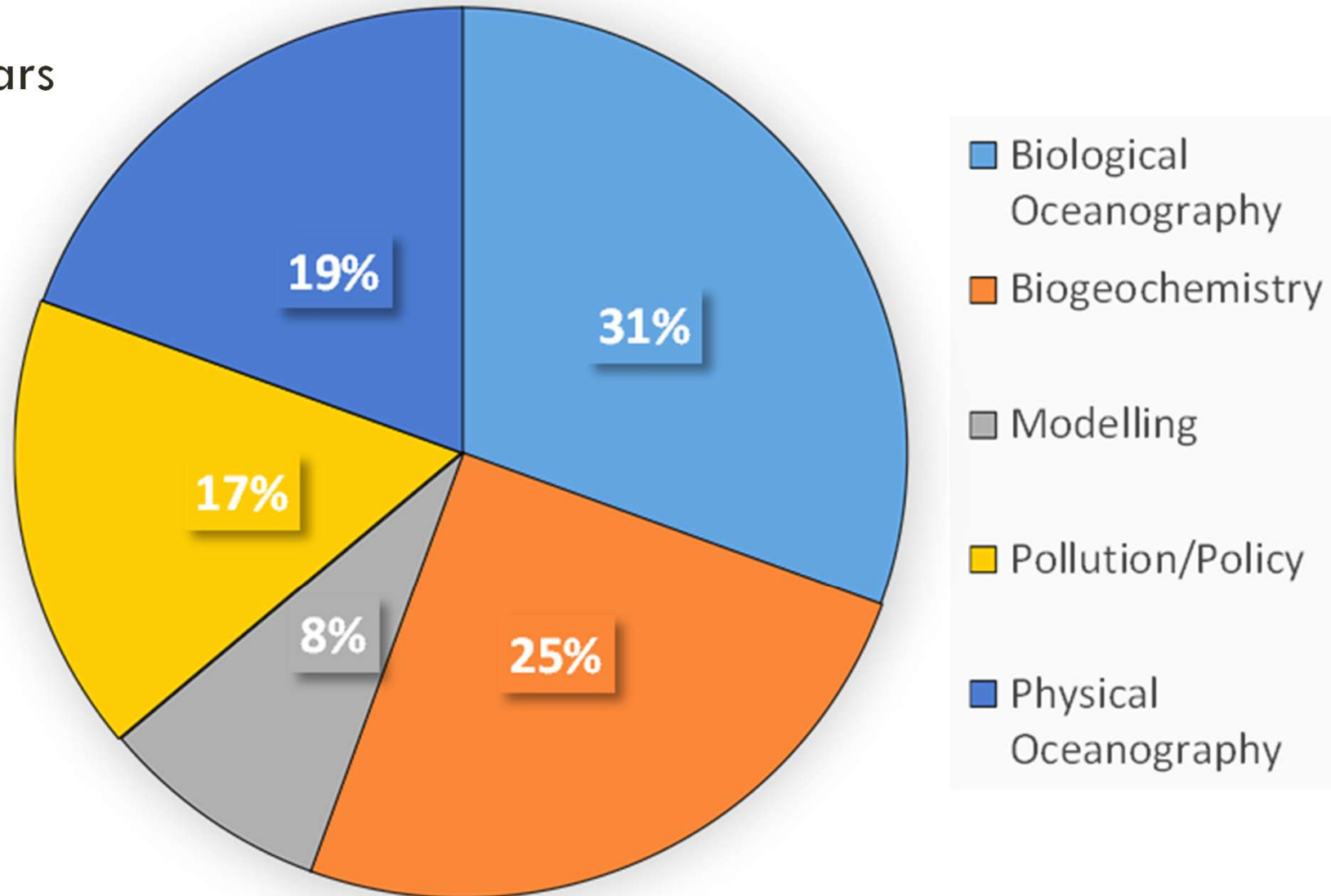






# RESEARCH CONTRIBUTIONS

Publications in last 3 years



# RESEARCH HIGHLIGHTS

# Oceanography

THE OFFICIAL MAGAZINE OF  
THE OCEANOGRAPHY SOCIETY

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OPEN ACCESS

## Harnessing Marine Open Data Science for Ocean Sustainability in Africa, South Asia, and Latin America

By [Paige E. Martin](#)✉, [Elizabeth Eli Holmes](#), [Emilio Mayorga](#), [Joseph K. Ansong](#), [Uday Bhaskar](#), [Jorge Cornejo-Donoso](#), [David Correa-Chilón](#), [Richard Damoah](#), [Denisse Fierro-Arcos](#), [Laura Gómez-Navarro](#), [Nimit Kumar](#), [Aderonke Lawal-Are](#), [Sourav Maity](#), [Swarnali Majumder](#), [Dimitris Menemenlis](#), [Aditi Modi](#), [Ebenezer Nyadjro](#), [Oghenekevwe Oghenechovwen](#), [Anthi Oikonomou](#), [Mumin Oladipo](#), [Marian Peña](#), [Daniel T. Quaye](#), [Yeray Santana-Falcón](#), [BR Smitha](#), [Charles Troupin](#), [Georgios Vagenas](#), [Héctor Villalobos](#), and [Gregory L. Wagner](#)

▶ Published Online: February 19, 2025

▶ <https://doi.org/10.5670/oceanog.2025.121>

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Volume 38, No. 1

Pages 59 - 66



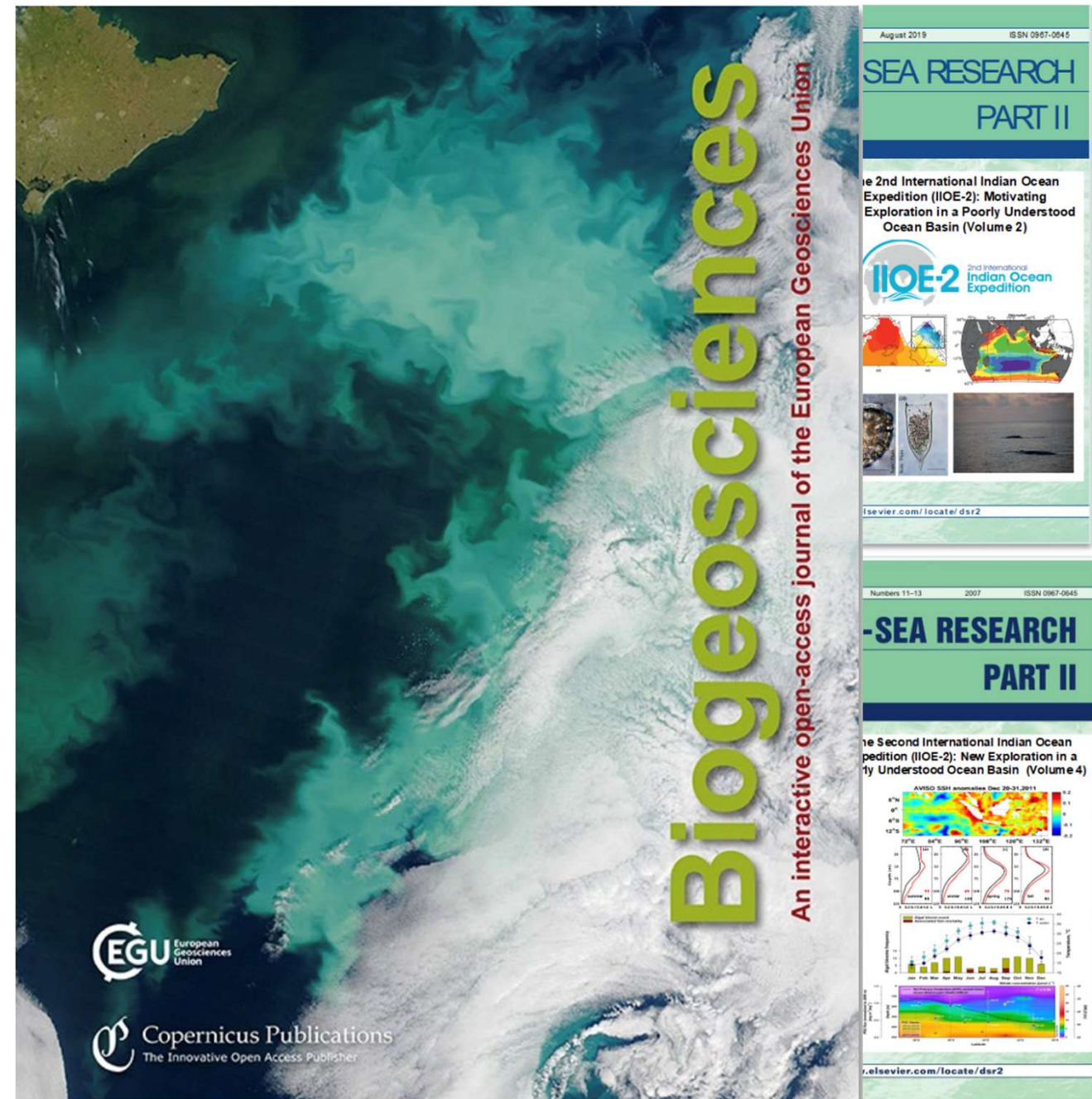
# HIGHLIGHTS

- ❖ Monthly seminar series on Indian Ocean during 2023-2024 featuring ECRs (Theme: Ocean insights - Indian Ocean Seminar Series feat. ECRs)
- ❖ Co-authored book chapters on Indian Ocean observing systems
- ❖ Contribution to the Second International Indian Ocean Expedition (IIOE-2) Science Plan Addendum: A Basin-Wide Research Program
- ❖ Participation in several IO cruises



# HIGHLIGHTS

- Contribution to IIOE-2 and EGU special synthesis reports
- Conducted IPCC and Ocean Decade review (Danielle Su, IIOE-2/IAPSO)
- Indo-French collaborative project (funded by DST, India) endorsed by IIOE-2
- NEW NORMAL - Near surface Warming in the Northern Indian Ocean and Rainfall Monsoon Anomaly Linkages endorsed by IIOE-2
- Online course on Fishery Oceanography for Future Professionals (2000+ registrations from 70+ countries)
- EGU: Best blog of the year-2021

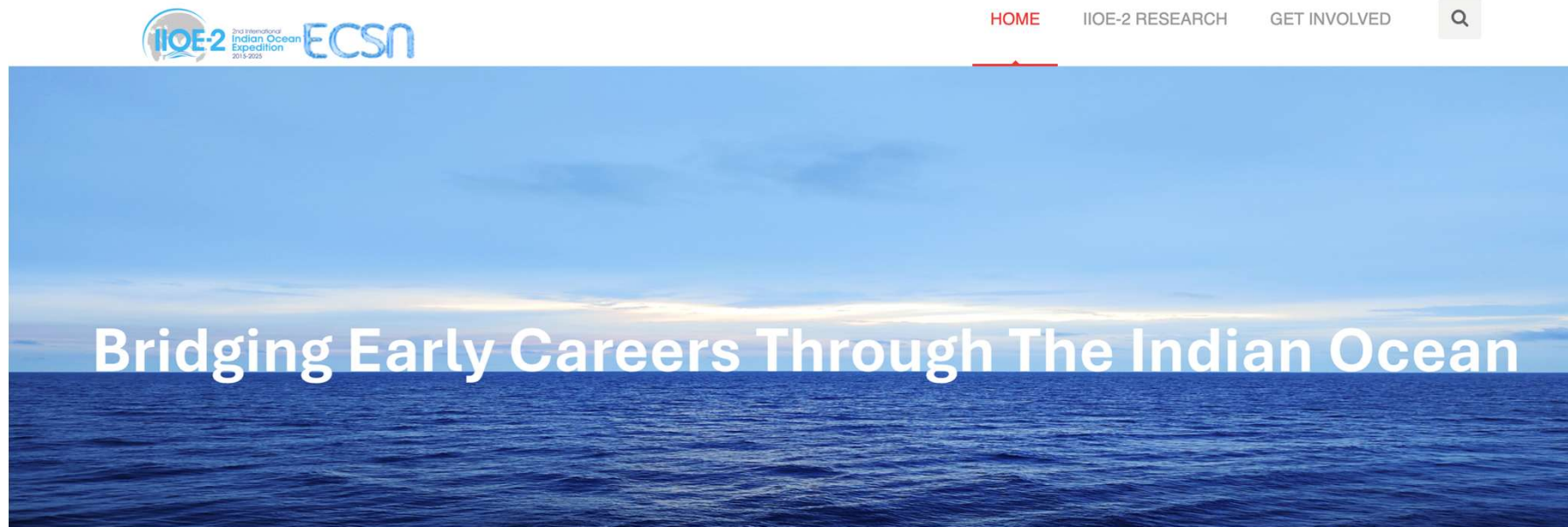


# GROWING OUR COMMUNITY





# OUTREACH



## About ECSN

The Second International Indian Ocean Expedition Early Career Scientists Network (IIOE-2 ECSN) is a collaborative and supportive community that aims to foster professional development, knowledge exchange, and collaborations among emerging scientists, including graduate students, postdoctoral researchers, junior faculty members or researchers within the first decade of their research career.

Encompassing diverse domains of ocean sciences, the network facilitates the sharing of expertise and methodologies, to bridge early career researchers (ECRs) working on the Indian Ocean and promote interdisciplinary research. We are dedicated to nurturing the new generation of scientists from the Indian Ocean-rimmed countries to advance the understanding of the Indian Ocean's diverse and interconnected marine systems.

Hosted on the INCOIS server

Link: <https://iioe-2.incois.gov.in/ecsn>

WEBSITE



# OUTREACH



HOME

IIOE-2 RESEARCH

GET INVOLVED



### Core Committee

Visualizes and develops agenda, takes decisions, executes activities, empowers ECRs, provides opportunities, and maintains the vibrancy of the ECSN.

[Read More...>](#)



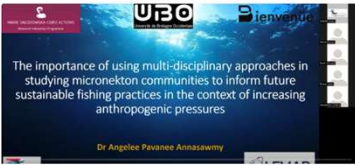
### Advisory Committee

Establishes the core committee, mentors and supports the progress, reviews activities, and provides specialized knowledge and input.

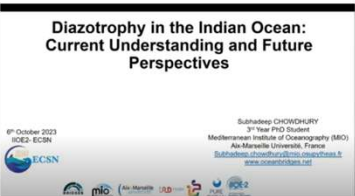
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### Ocean Insights Indian Ocean Seminar Series feat. ECRs

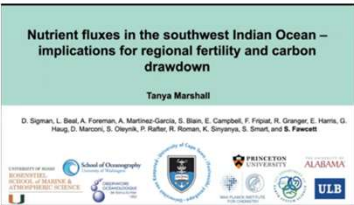
With us, explore the vast realm of the Indian Ocean research. Each seminar comprises a presentation by an ECR followed by a Q&A session, enabling participants to interact directly with the speaker and elevate their understanding.



Using multi-disciplinary approaches to study micronekton communities of the Indian Ocean



Diazotrophy in the Indian Ocean - Current understanding and future perspectives



Nutrient fluxes in the southwest Indian Ocean

Macrofaunal biodiversity research along the Eastern Arabian Sea

# OUTREACH

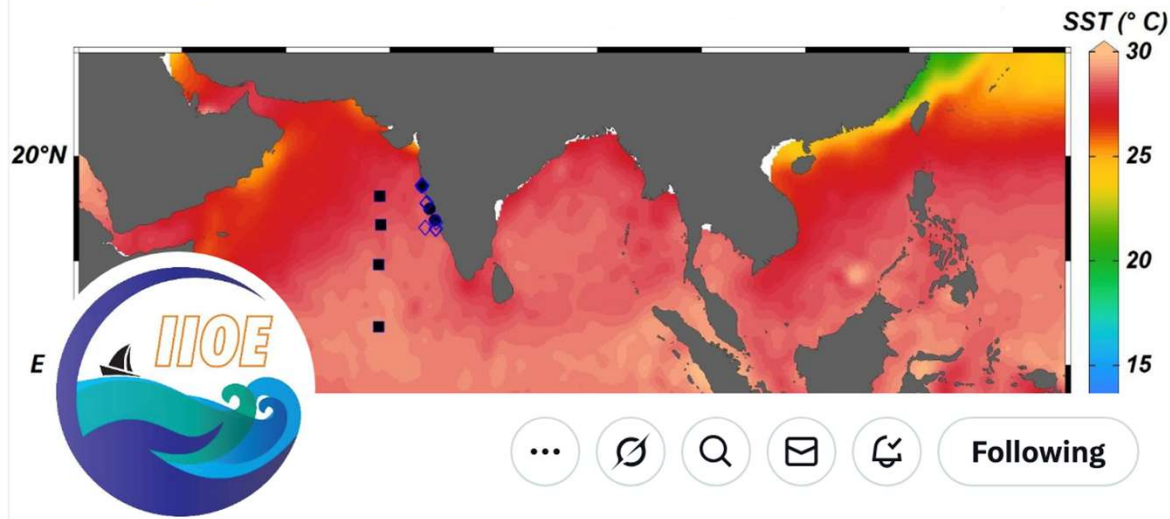
- Monthly contribution to IIOE-2 Newsletters in a dedicated early career section
- Regular contributions to IIOE-2 Bubble
- Announced every month in advance



# OUTREACH

## IIOE-2 Early Career Scientist Network

791 posts



### IIOE-2 Early Career Scientist Network

@iioe\_ecsn Follows you

Connecting the young oceanographers worldwide, with the Indian Ocean! Handler: @1nimitk.

[iioe-2.incois.gov.in/ecsn/about.jsp](https://iioe-2.incois.gov.in/ecsn/about.jsp) Joined May 2020

## SOCIAL MEDIA



### IIOE 2 Early Careers

1.2K likes · 1.2K followers



This page is to aid and facilitate the communication between early career scientists who conduct rese

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## ECSN IIOE

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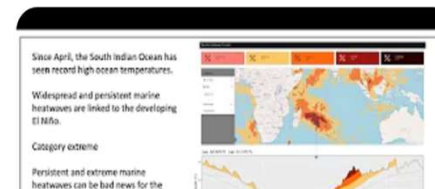
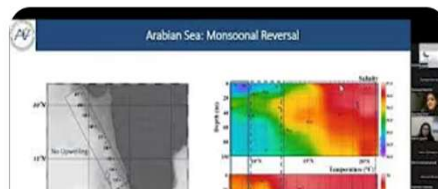
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# IIOSC 2022 ECSN WORKSHOP

Day 1 – Overview of the network and Introduction of new members

Day 2 – Interactions between new members, discussion about their expectations, and what contributions they may bring to this network

Day 3 – Introducing other groups - NANO (NF-POGO), PORSEC, WIO and UN Ocean Decade

## MAJOR ACTIVITIES PLANNED

- IMPROVE VISIBILITY
- HAVING A REGIONAL REPRESENTATIVE
- RECRUITING MORE MEMBERS WITH DIFFERENT BACKGROUND
- WHITE PAPER DISCUSSION – COVID CHALLENGES FOR ECS
- NEWSLETTER



## 14-16 MARCH 2022

### INTERNATIONAL INDIAN OCEAN SCIENCE CONFERENCE 2022

### IIOE-2 ECSN VIRTUAL WORKSHOP FOR EARLY CAREER SCIENTISTS

The aim is to provide a venue for early career scientists from the Indian Ocean Community to interact and to network – to address and synthesize key unknowns and novel findings from the Indian Ocean.

Want to build your **network**? Hoping to develop your **leadership and communication skills**? Well look no further!

We are currently accepting applications to join our IIOE-2 Early Career Scientist Network.

Go to [IIOE-2 ECSN Application](#) for more details.



International Indian Ocean  
Science Conference  
14-18 March, 2022  
Goa, India

**Come and Join us!!**  
**Indian Ocean Early Career  
Scientists**

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**SAVE THE DATES**  
**1 hour workshops**  
**over 3 days**

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**March 14 (3:30 pm-4:30 pm)**  
Introduction of IIOE-2 ECSN

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**March 15 (3:30 pm-4:30 pm)**  
Future Work Discussion

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**March 16 (4:45 pm-5:45 pm)**  
Presentations from Invited  
Early Career Scientists  
Networks

All times shown are in  
Indian Standard Time

**To learn more about IIOE-2 ECSN,  
visit:**







Photo: A glimpse of the Day-3 session of EC workshop (Courtesy: Lilian Anne Krug)

# WAY FORWARD

1. Election of new office bearers ( 2025 H2)
2. ECSN workshop during IIOE-2025, INCOIS, Hyderabad, India, Dec 2025
2. Promote research collaborations to exchange knowledge and improve multicultural teamwork
3. Capacity building through regional and international workshops
4. Increased outreach by including media professionals such as climate podcasters
6. Network-led projects



# HOW TO JOIN THE NETWORK

## JOIN THE NETWORK

Subscribe to receive our monthly notifications and updates

**Eligibility criteria: Researchers within 10 years of completing their MSc/PhD or under the age of 40, whichever comes first.**



Title:<sup>\*</sup>  

Choose one

Designation / Profession:

Email Address:<sup>\*</sup>

Choose Degree:<sup>\*</sup>  

Please choose degree

Whether the Research Area is within the Indian Ocean Region?<sup>\*</sup>  

Yes

No

Research Area:<sup>\*</sup>

Full Name:<sup>\*</sup>

Country:<sup>\*</sup>  

Please choose your country

Year of Passing:<sup>\*</sup>  

Please choose year

Upload passport size photograph  

Choose file

No file chosen

(Passport size photograph in .jpg format with file size limit between 10KB to 100KB)

Existing Mailing List

NO MEMBERSHIP  
FEE

**Membership ID: IIOE2-ECSN-XXX**



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**IIOE 2 Early Careers**



<https://www.youtube.com/@ECSN-IIOE>



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**Eligibility criteria:** Researchers within 10 years of completing their MSc/PhD or under the age of 40, whichever comes first.

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Title:*	Full Name:*	
<input type="text" value="Choose one"/>	<input type="text"/>	
Designation / Profession:*	Affiliation:*	
<input type="text"/>	<input type="text"/>	
Email Address:*	Country:*	
<input type="text"/>	<input type="text" value="Please choose your country"/>	
Choose Degree:*	Subject:*	Year of Passing:*
<input type="text" value="Please choose degree"/>	<input type="text"/>	<input type="text" value="Please choose year"/>
Whether the Research Area is within the Indian Ocean Region?*		Upload passport size photograph:*
<input type="radio"/> Yes <input type="radio"/> No		<input type="button" value="Choose file"/> No file chosen
Research Area:*		(Passport size photograph in .jpg format with file size limit between 10KB to 100KB)
<input type="text"/>		

**Membership ID: IIOE2-ECSN-XXX**