

## MSEAS 2024

June 3-7, 2024  
Yokohama, Japan



2021 United Nations Decade  
2030 of Ocean Science  
for Sustainable Development

A UN Ocean Decade Event  
#MSEAS2024





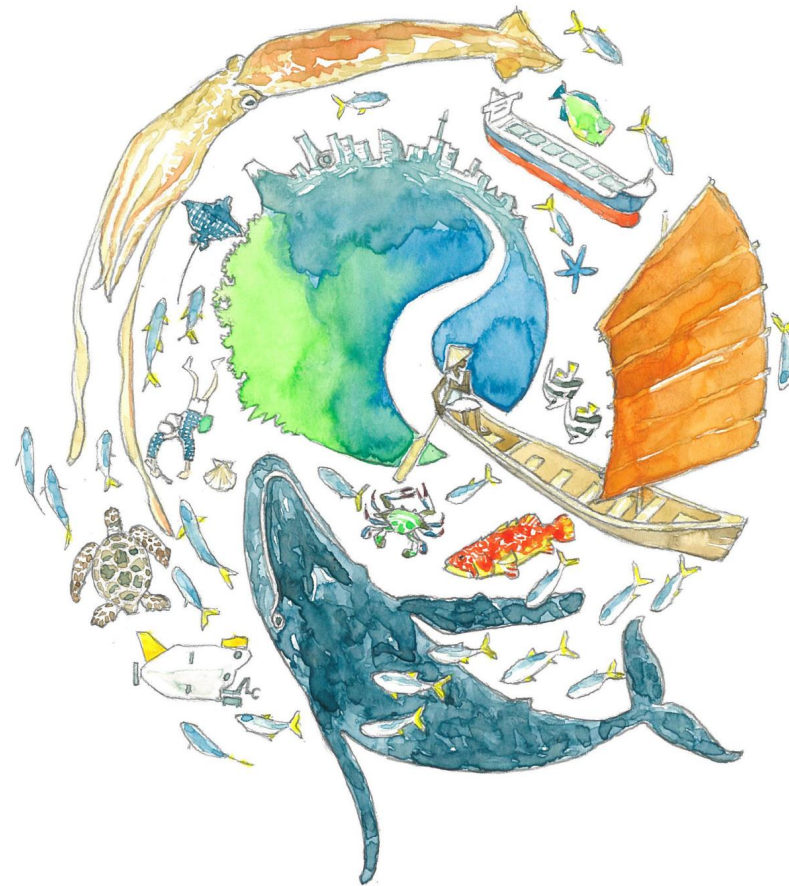
# MSEAS Welcome message

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Japan Fisheries Research  
and Education Agency

President  
Ichiro Nakayama





# MSEAS Welcome message

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North Pacific Marine  
Science Organization

Executive Secretary  
Sonia Batten







# MSEAS Welcome message - PICES



**PICES is an intergovernmental science organization, established in 1992, to promote and coordinate marine scientific research in the North Pacific Ocean and its adjacent seas in order to advance scientific knowledge of the area.**

## **PICES has:**

Six member countries

a Secretariat

Governing Council

a Science Board

Permanent discipline-based Committees



A mix of government and academic scientists, in short and medium-term Expert Groups, with specific terms of reference or objectives

**~350-390** member scientists



# MSEAS Welcome message – Early Career Ocean Professionals

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PICES and ICES work together on many activities including co-organized symposia, joint expert groups, the United Nations Decade of Ocean Science (UNDOS).



One cross-cutting activity of the Decade is the inclusion and support for ECOP.

At this conference we are pleased to announce that a little over 50% of attendees are ECOP, from 30 countries, and they are giving over 100 presentations this week!



# ECOP in ICES and PICES



## Key needs & goals of PICES ECOPs



- ✓ Networking & collaboration
- ✓ Better understanding of PICES & how to get more involved
- ✓ Mentorship by experienced PICES members
- ✓ Engagement in PICES related to: interdisciplinary science collaboration, policy, science communication, and diversity, equity, and inclusion

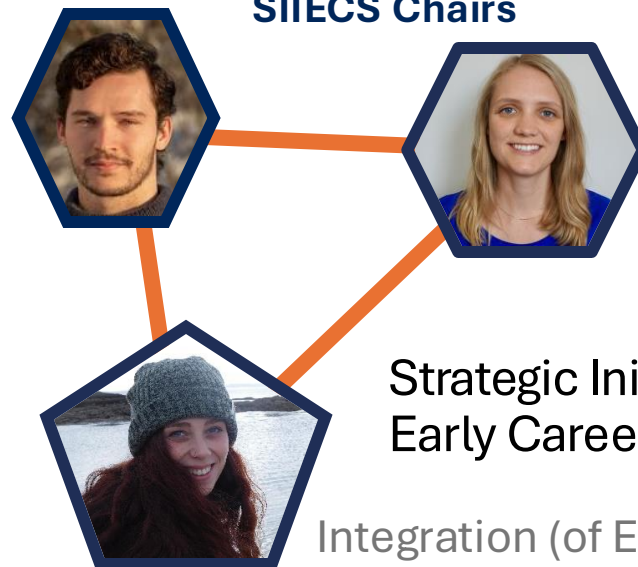
## Advisory Panel on ECOP (AP-ECOP)

To facilitate the incorporation and engagement of diverse ECOPs, across regions, sectors, disciplines, and other axes of diversity into the PICES scientific activities and organizational structure.

- Co-Chair: Minkyong Kim
- Co-Chair: Hannah Lachance
- Co-Chair: Hana Matsubara
- Co-Chair: Raphael Kevin Roman



## SIIIECS Chairs



## Strategic Initiative on the Integration of Early Career Scientists (SIIIECS)

- Integration (of ECS knowledge and expertise into ICES activities - not tokens!)
- Interdisciplinarity (SIIIECS group is interdisciplinary by design)
- Empowerment (of ECS in ICES)
- Connections (of ECS to one another and to other experts)
- Contributions (to ICES and its WGs)



# MSEAS Welcome message - ICES



**ICES**  
**CIEM**

International Council for the  
Exploration of the Sea

General Secretary  
Alan Haynie





# International Council for the Exploration of the Sea

Intergovernmental organization leading marine science cooperation since 1902



## Join us!

**Expert group participation, training courses, become an observer**

<http://ices.dk/Join-us/Pages/default.aspx>

**Events: Annual science conference, symposia, webinars**

<http://ices.dk/events/Pages/default.aspx>





ICES and PICES have fully embraced human dimensions work

## **ICES Human Dimensions Steering Group**

*Leading social sciences and humanities related expert groups at ICES.*

*Chair: Dr. Nathalie Steins, the Netherlands*

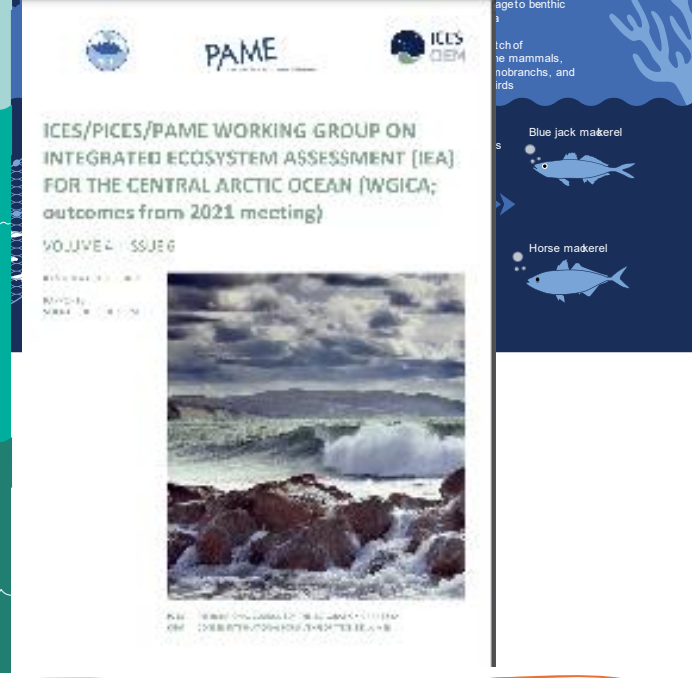
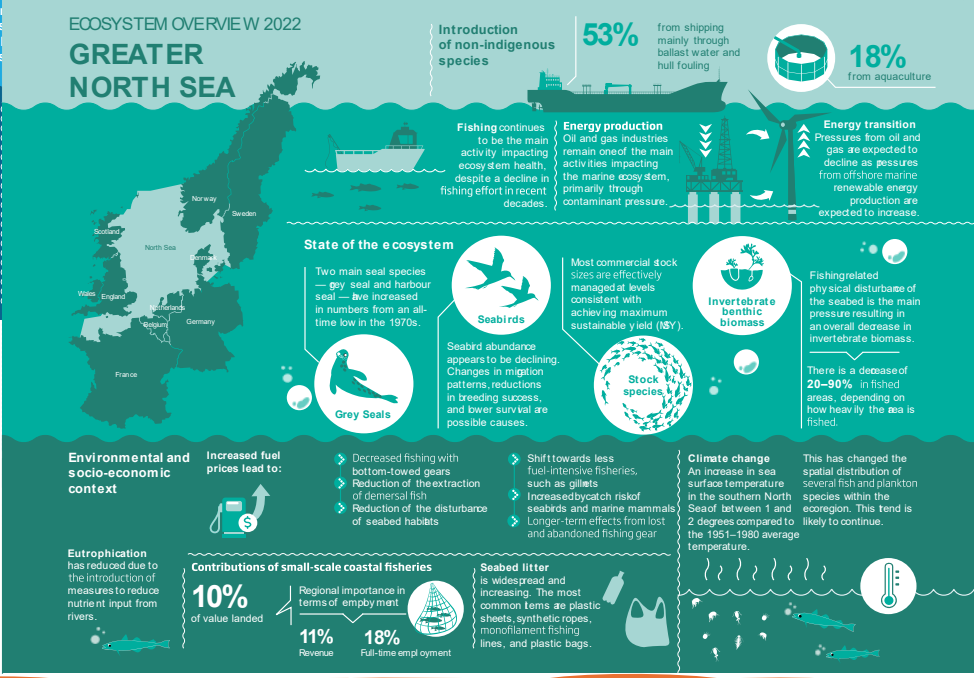
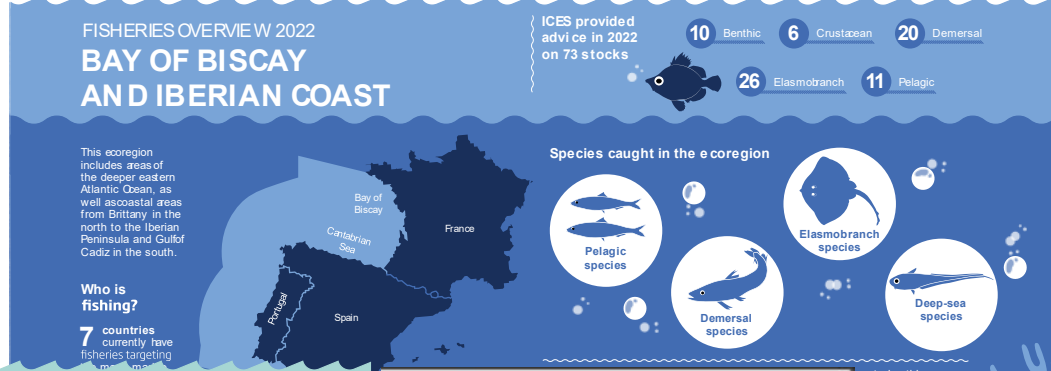
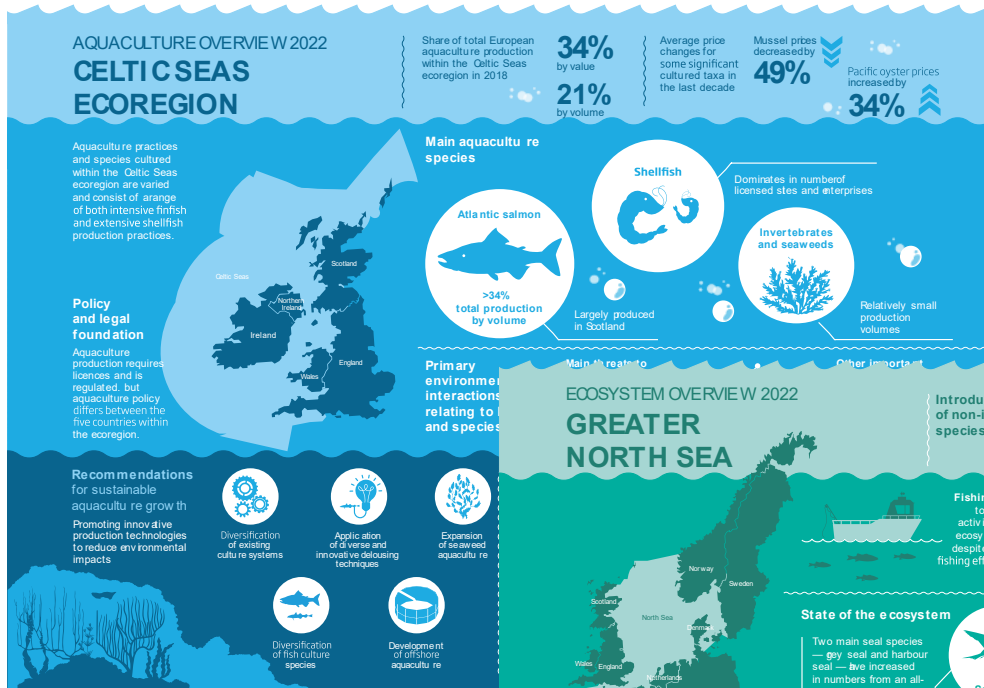
## **PICES Human Dimensions Committee**

*...to promote and coordinate interdisciplinary research...*

**Chair: Dr. Mitsutaku Makino, Japan**



# MSEAS Welcome – ICES Overviews and ICES (and ICES/PICES) IEA groups are interdisciplinary – and policy makers are listening





# Our challenge is to make MSEAS2024 as important as MSEAS2016

## Brest

France

Understanding marine  
socio-ecological systems

Including the human dimension in  
integrated ecosystem assessment

May 30 - June 3, 2016

[www.ices.dk/mseas2016](http://www.ices.dk/mseas2016)



## MSEAS 2024

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2021 United Nations Decade  
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#MSEAS2024

*Marine Socio-Ecological Systems Symposium*





# MSEAS Welcome message



**NOAA  
FISHERIES**

Senior Research  
Scientist for  
Economics

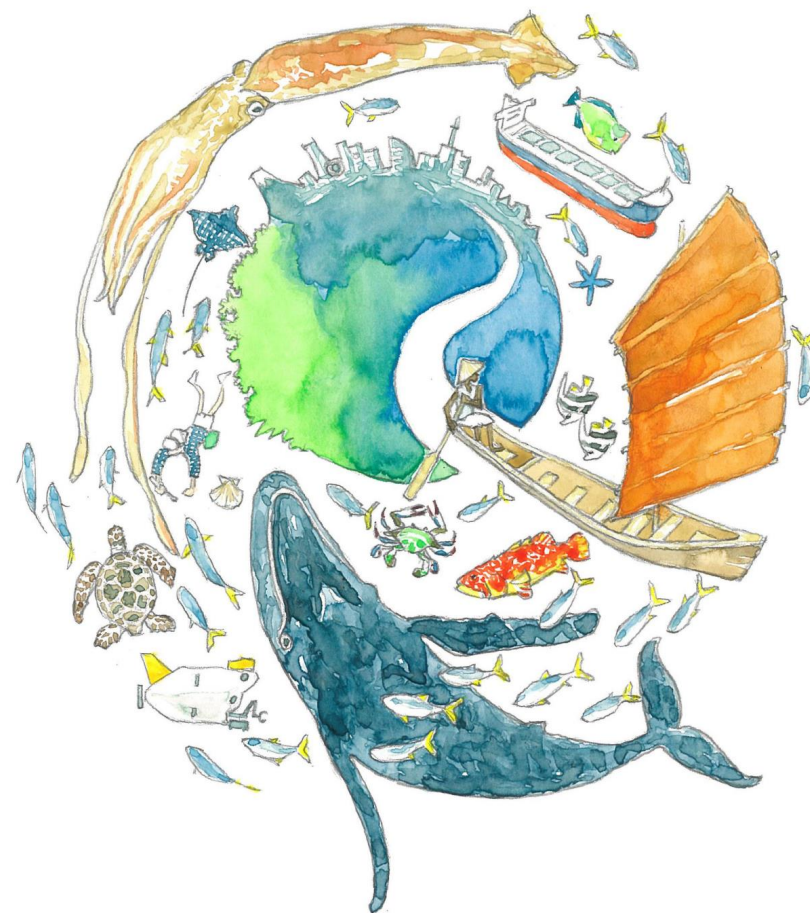
Doug Lipton

## NOAA Welcomes You to MSEAS 2024

### Senior Research Scientist for Economics

### Douglas Lipton

June 4, 2024







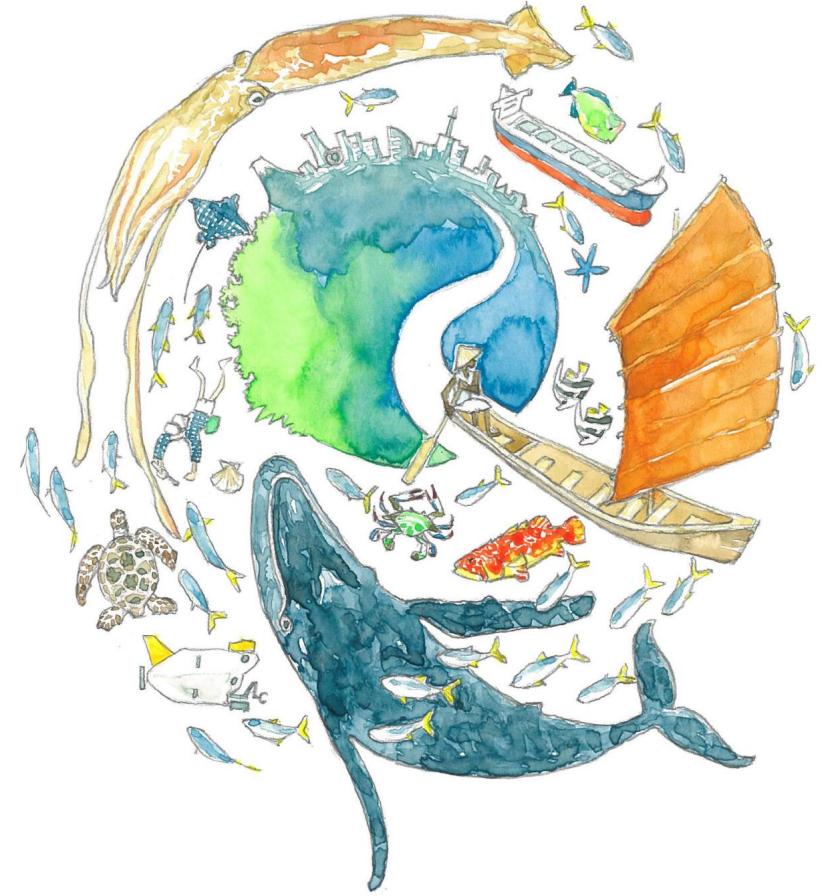
# MSEAS Welcome message

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Atmosphere and Ocean  
Research Institute,  
The University of Tokyo

Professor  
Mitsutaku Makino





MSEAS

# Atmosphere and Ocean Research Institute (AORI), University of Tokyo, Japan



東京大学 大気海洋研究所  
Atmosphere and Ocean Research Institute, The University of Tokyo



Naya  
Sena  
(Post Doc  
Researcher)



Hajime  
Tanaka  
(Post Doc  
Researcher)



Takumi  
Maruyama  
(M2 Student)

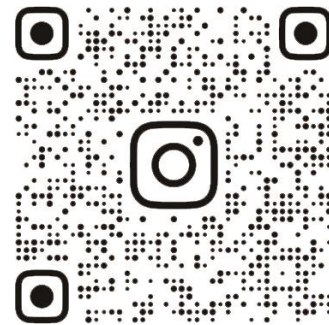


## Graphical Recording at MSEAS 2024



### Tomita Mary

- 2014: Graduated with a Master of Fine Arts from Kyoto City University of Arts
- Worked as a designer at an IT company
- 2020: Became a freelance illustrator



- Active in books, magazines, advertisements, apps, websites, and CD covers

**\* Currently holding  
a solo exhibition in Tokyo**









## Please contribute your insights to the Graphical Recording!

### Session/workshop convenors

- Brief interviews after each session  
Two ECOPs will come for information collection



Hana



Abigayil



### Participants

- Access to online survey to contribute
  - main impressions from talks/ presentation
  - take-home message you received
  - any new insights





# MSEAS Welcome – Alistair Hobday

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Australia's National Science Agency



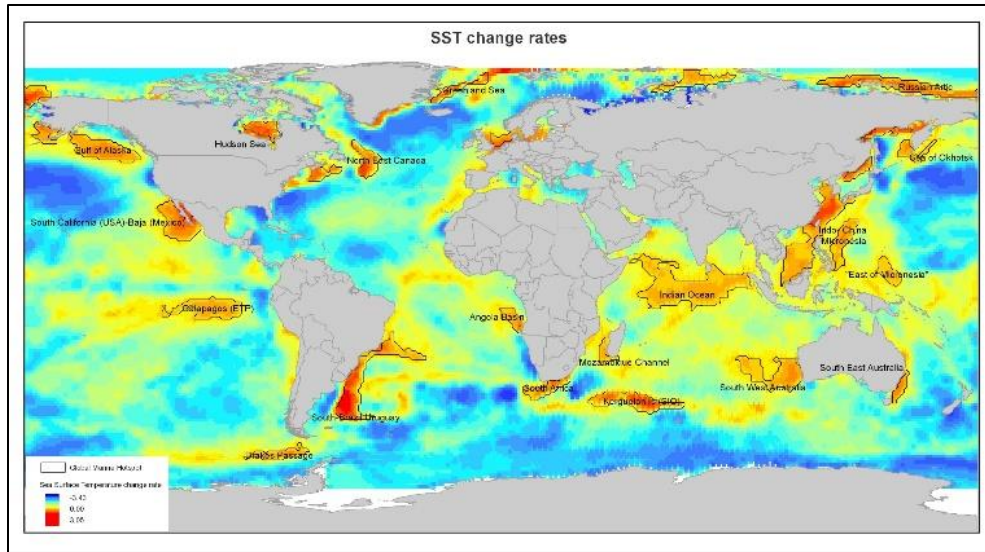
# Conference sponsorship benefits

- Brand Visibility and Awareness
  - we recruit great people
- Networking Opportunities
  - Helps our people
- Social Responsibility & Community Engagement
  - Without a community we are less
- Inject our views into collective minds
  - We are in a time of rapid change

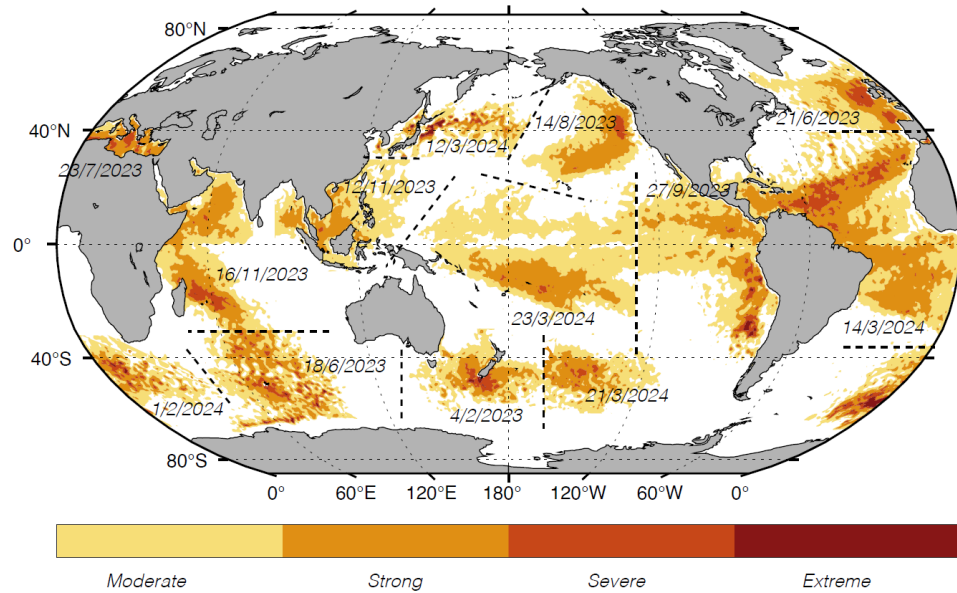




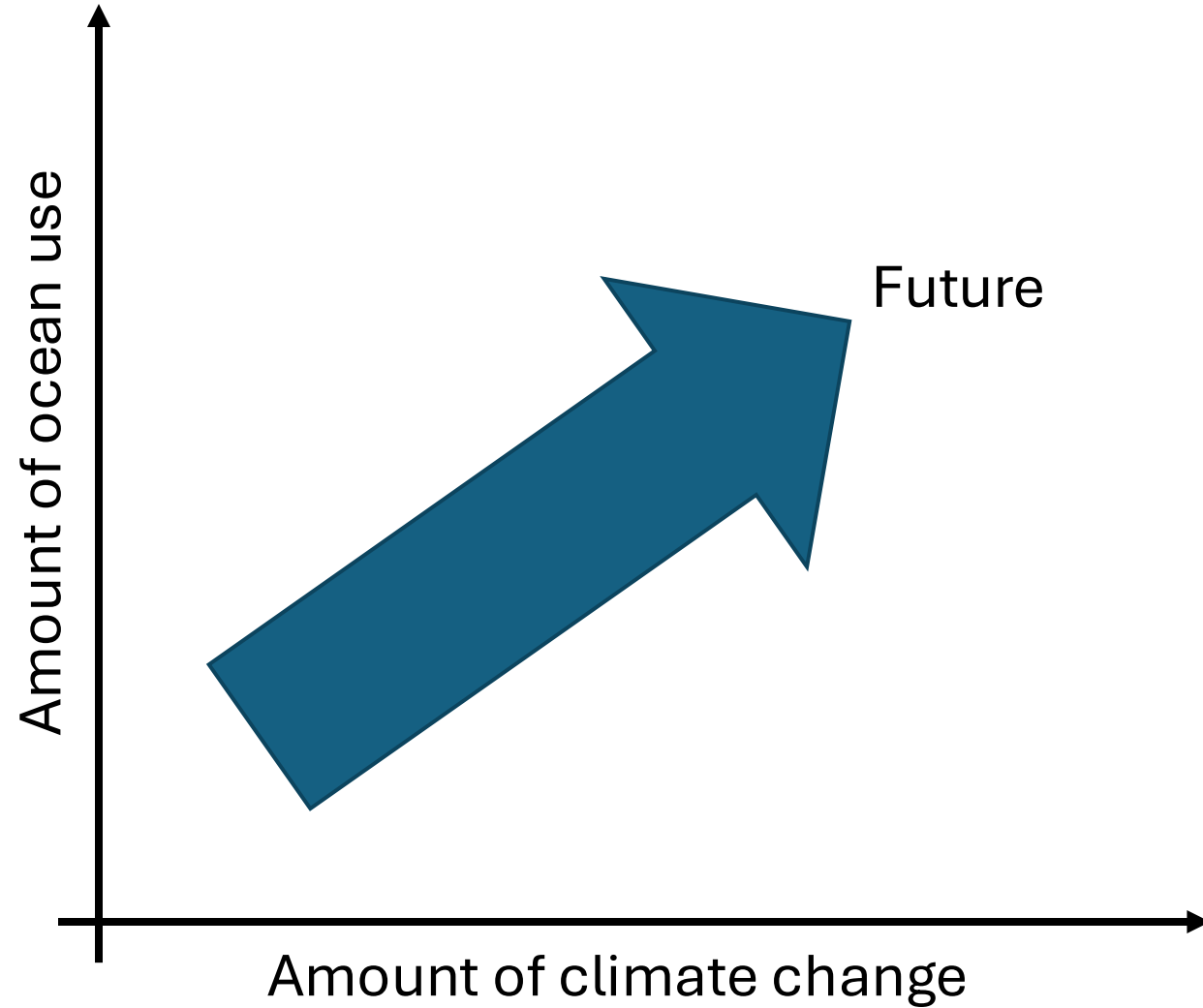
## Rapid warming

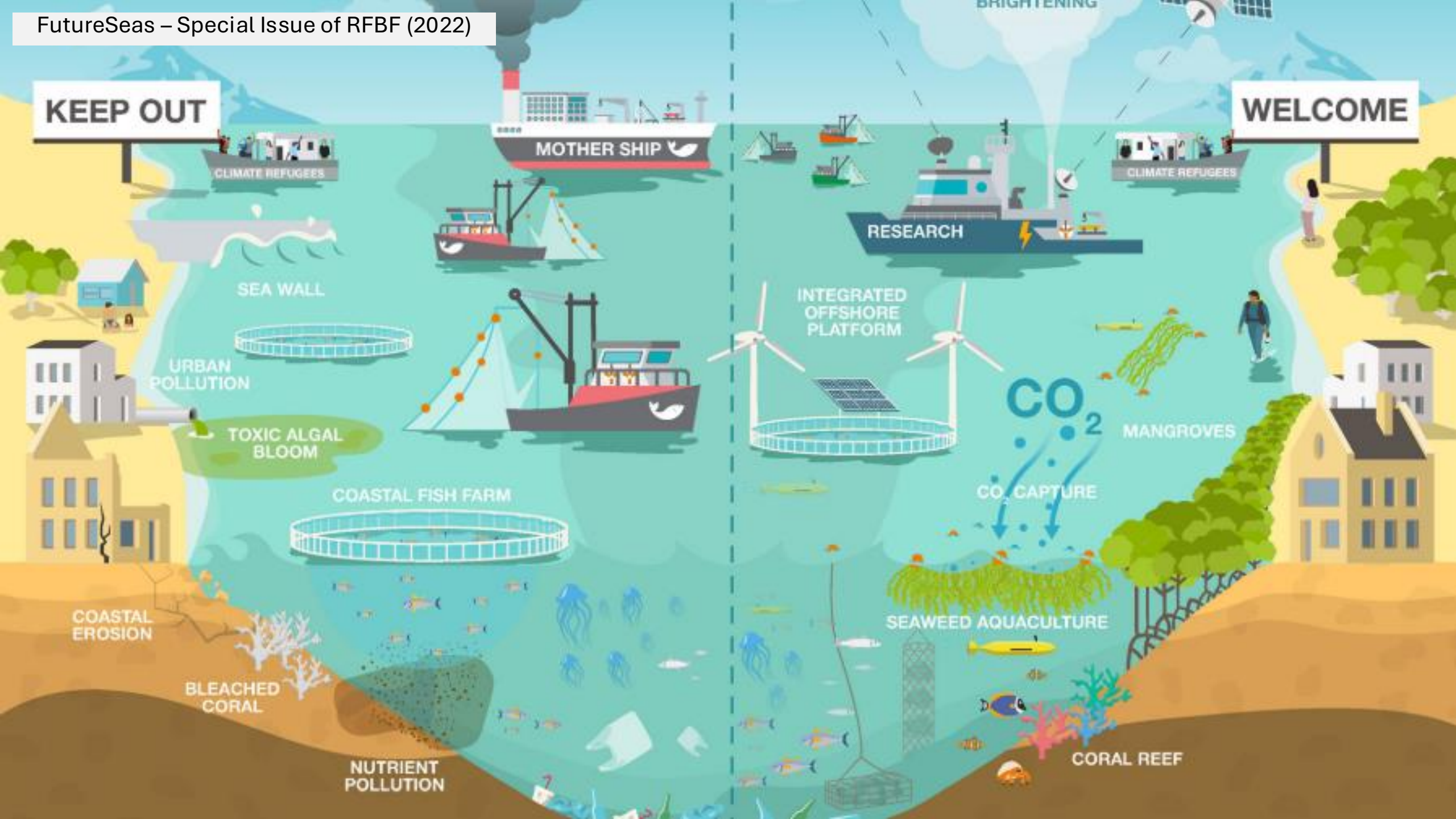


## Extreme events



# Ocean crowding





KEEP OUT

WELCOME

CLIMATE REFUGEES

MOTHER SHIP

RESEARCH

CLIMATE REFUGEES

SEA WALL

URBAN POLLUTION

TOXIC ALGAL BLOOM

COASTAL FISH FARM

INTEGRATED OFFSHORE PLATFORM

CO<sub>2</sub>

MANGROVES

CO<sub>2</sub> CAPTURE

SEAWEED AQUACULTURE

COASTAL EROSION

BLEACHED CORAL

NUTRIENT POLLUTION

CORAL REEF

BRIGHTENING

# The ocean is rapidly changing & crowding



Critical that marine research is faster.

- Data collection
  - e.g. technology boost)
- Processing, analytics and data handling
  - e.g. ML/AI uplift)
- Information delivery to decision-makers
  - Flexible and explorable

## **Socio-ecology is critical**

- Because delivering information is not enough

At this conference,  
please...

- Think about links
- Be curious and open
- Share information that helps decision makers
- Plan research that has impact in decision making





# MSEAS 2024

## Housekeeping Information







# MSEAS Housekeeping Information

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Your name tag is a passport





# MSEAS Housekeeping Information

**4F**

## PACIFICO North 4F Floor Map

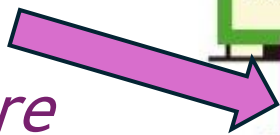
*You are here*



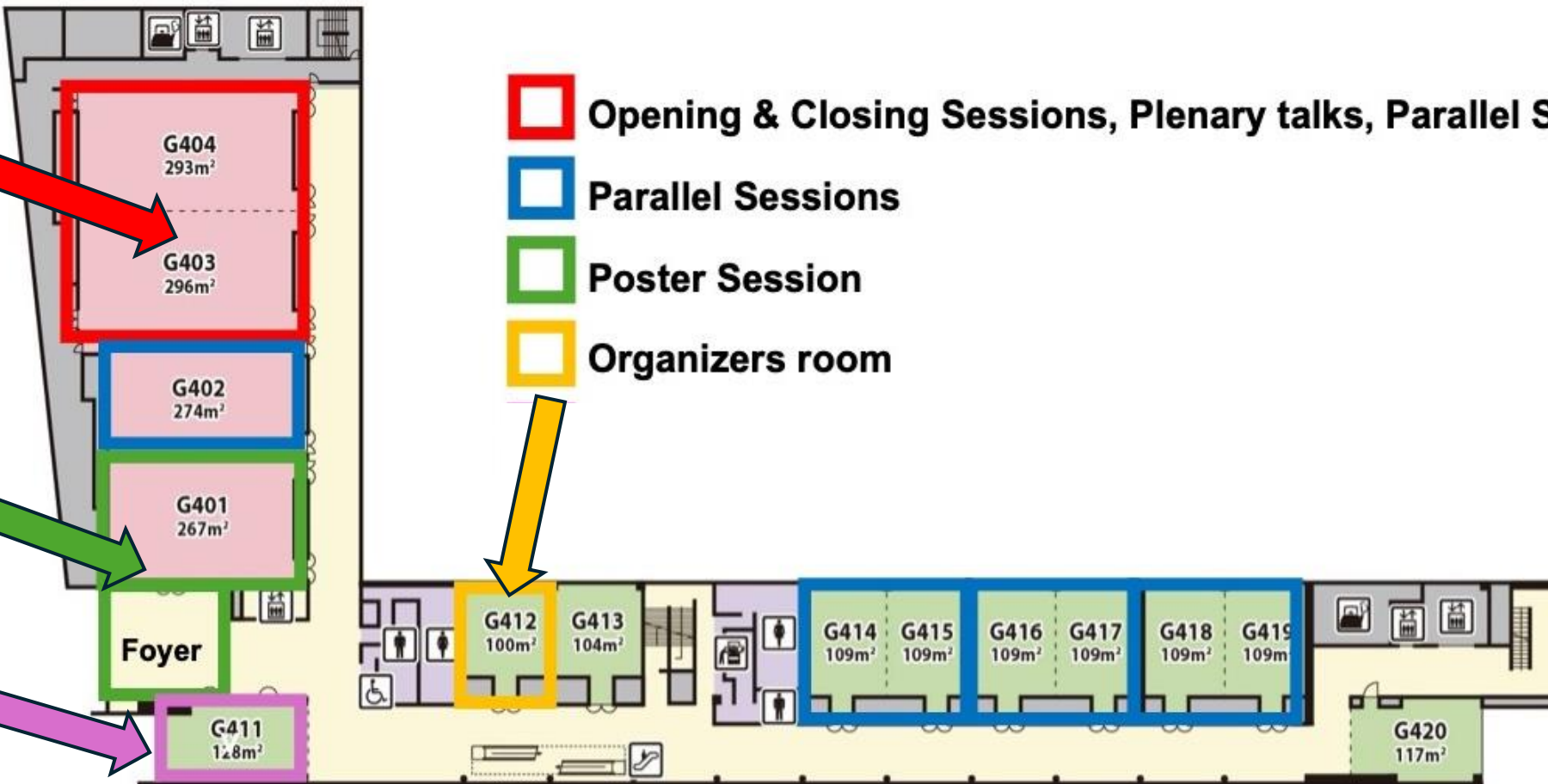
*Poster area*



*Registration/  
Coffee  
served here*



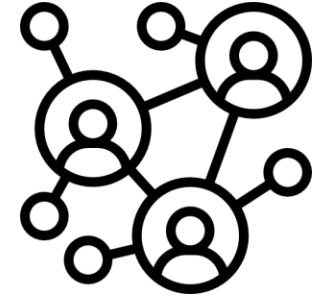
-  Opening & Closing Sessions, Plenary talks, Parallel Sessions
-  Parallel Sessions
-  Poster Session
-  Organizers room



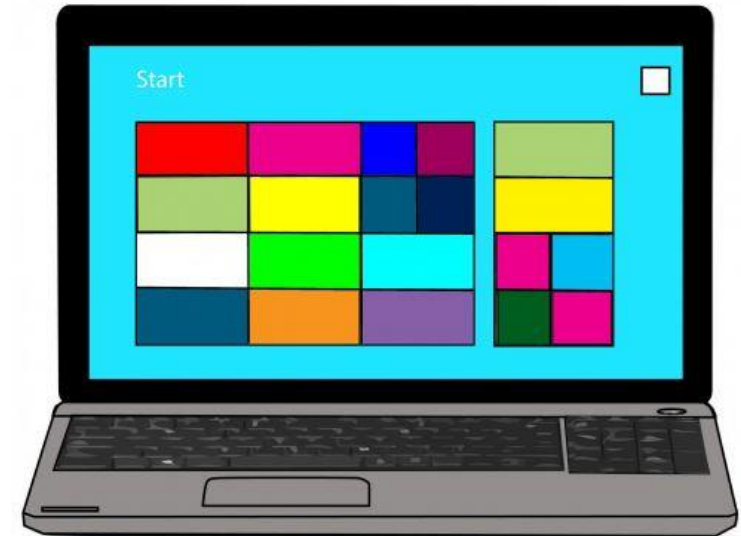


# MSEAS Housekeeping Information

Use **Whova** for checking schedules, social events information, networking, session poll etc.



Or





# MSEAS Housekeeping Information

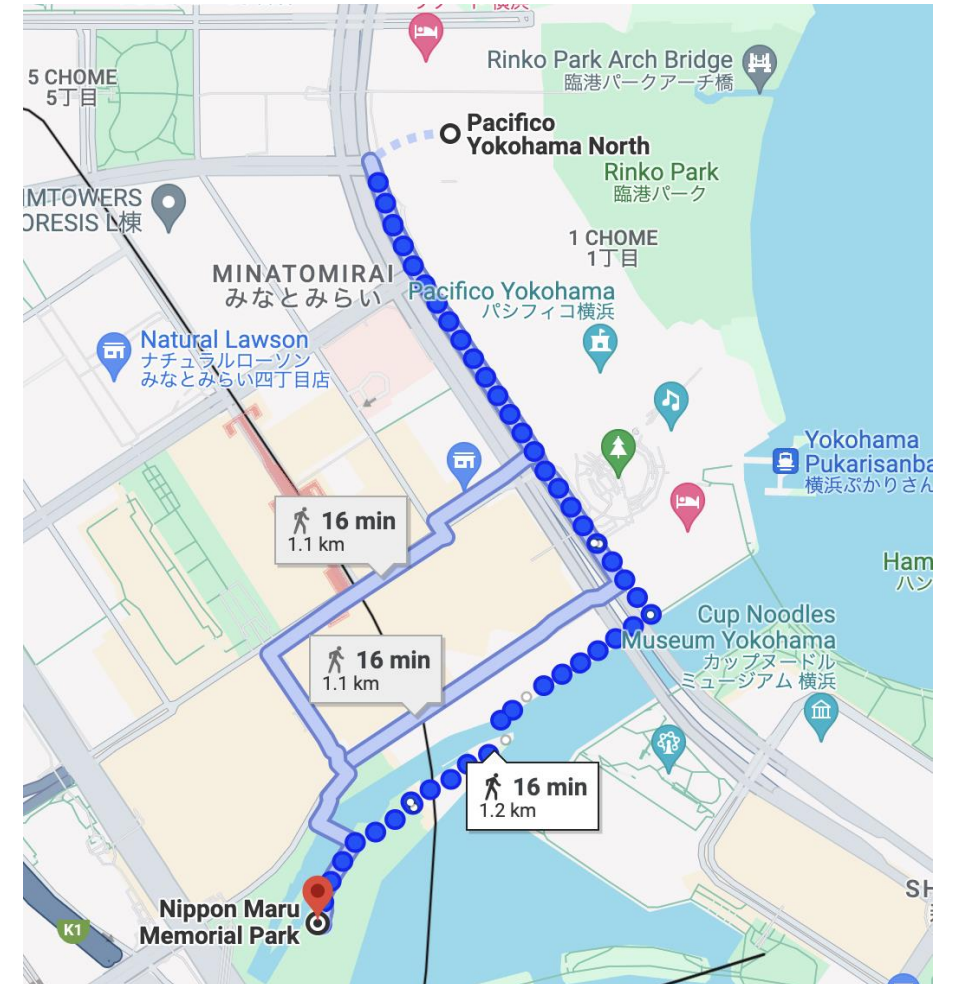
## June 4 (Tue): Evening Workshop for ECOPs

Nippon Maru Memorial Park

6:00 PM – 8:30 PM



*Registration closed: Pre-registered participants only*







# MSEAS Housekeeping Information

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## June 5 (Wed): Poster Session

PACIFICO North, Foyer & G401  
5:30 PM – 8:00 PM

- Put up your poster on **PM June 4**
- Attend at your poster for **6 -7 PM**  
**during Poster Session**
- Take down the poster at the **end**  
**of Poster Session**



*see*





# MSEAS Housekeeping Informatic

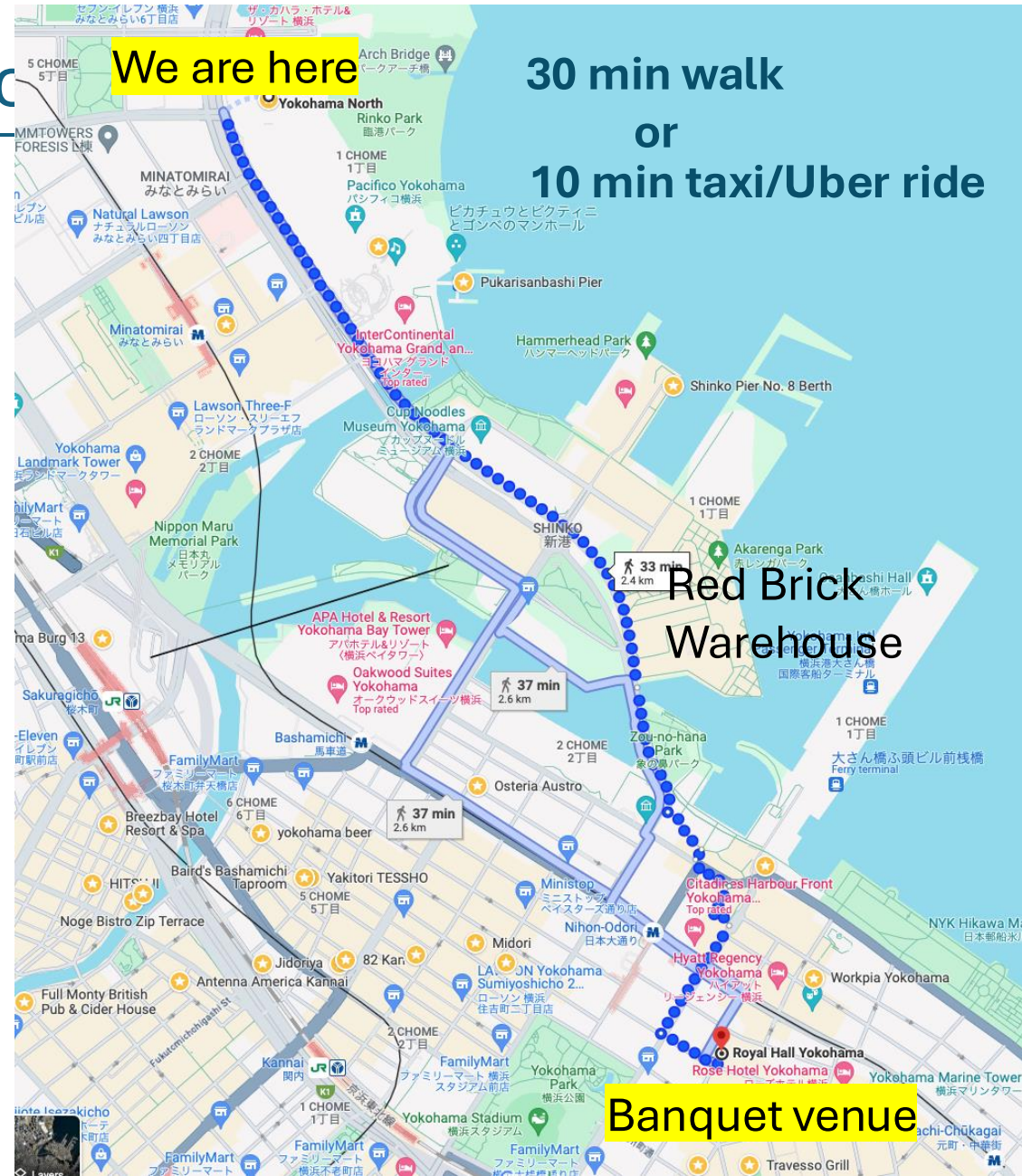
## June 6 (Wed): Symposium Banquet

### Royal Hall Yokohama

### 7:00 PM – 9: 00 PM



see





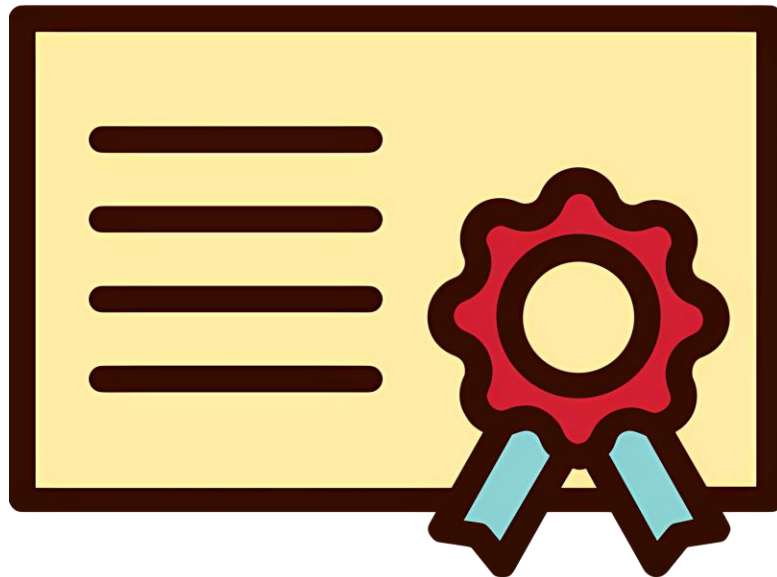
# MSEAS Housekeeping Information

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## June 7 (Fri): Closing Session

PACIFICO North, G403/404

14:30 PM – 3:00 PM



**Don't miss!**

ECOP  
Presentation  
Awardees will  
be announced.





# MSEAS Housekeeping Information

## Special Event “Art for MOTHER OCEAN” – Join and inspire yourself!

### Part 1: Ocean theme artwork exhibition

June 6 (Thurs) – 7 (Fri): all-day  
Near Registration desk

### Part 2: Art & Science Workshop

June 7 (Fri): 3:15 PM – 4:50 PM (G403/404)

**Every participant is welcome \*No sign-up required**

Interactive dialogue on Arts and Zen with local artists and citizens invited to join the MSEAS.

### Part 3 and 4: Excursion to Kamakura and Hayama, Artwork creation

June 8 (Sat) and June 9 (Sun)

Pre-registrants only (registration is closed)



see







# MSEAS Housekeeping Information

Be Punctual!



Tue – Thurs : 900 - 1200  
Fri : 1300 - 1700

Tue – Thurs :  
900 - 1700

Tue – Thurs : 1300 - 1700  
Fri : 900 - 1200





# MSEAS Housekeeping Information

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Enjoy!





# MSEAS Day 1 Plenary Speaker

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**Jason Link**  
**Senior Scientist,**  
**NMFS, NOAA, USA**

*Session 1: Running the Gamut Gauntlet: Socio-ecological modelling in a complex world*

“A brief overview of modeling to operationalize ecosystem-based management of marine socio-ecological systems”



# MSEAS Day 1 - Plenary Speaker

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## **Jess Melbourne-Thomas** **CSIRO Environment,** **Australia**

*Session 4: Risk perception and assessment for marine ecosystem-based management*

“Collaborative approaches to navigating different risk perspectives in decision making for marine social-ecological systems”



## Coffee time ☺



*Please return to the  
rooms G403/404 or  
G402 by 11 AM*