

## REPORTING FORM 2024

Please return completed form to [imber@ecnu.edu.cn](mailto:imber@ecnu.edu.cn) by 20<sup>th</sup> July

**REPORTING PERIOD: WHAT YOU HAVE DONE** since the annual report submitted for the SSC meeting held in Paris in April 2023 ([Link to past annual reports](#))

and **PLANNED ACTIVITIES** over the next year (and beyond if details available)

**N.B.** The form focuses reporting on the research objectives (2022-2025) of the Grand Challenges (in order to align with how we are addressing IMBeR's commitments defined in the 5-year review process to SCOR and Future Earth).

**Thank you.**

IMECaN

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### 1. Ongoing activities, in line with the IMBeR Grand and Innovation Challenges

*(Among other uses, information will be used to update the [IMBeR Annual Report to SCOR](#))*

#### 1.a. Grand Challenge I

*Understanding and quantifying the state and variability of marine ecosystems - with focus on Research Objectives 1 to 3:*

**Research Objective 1.** *Evaluate and predict the cumulative effect of multiple stressors*

**Research Objective 2.** *Integration of climate change and climate variability*

**Research Objective 3.** *Impacts on society – preparation for a changed future*

NA

#### 1.b. Grand Challenge II

*Improving scenarios, predictions and projections of future ocean-human systems at multiple scales - with focus on Research Objectives 4 to 6:*

**Research Objective 4.** *Development of integrated data systems and approaches for predictions and projections*

**Research Objective 5.** *Development of predictive models and projections for use at regional scales*

**Research Objective 6.** *Development of alternative scenarios to bridge the gap between physical climate sciences and humanities*

NA

### 1.c. Grand Challenge III

*Improving and achieving sustainable ocean governance - with focus on Research Objectives 7 to 9:*

***Research Objective 7.** Develop knowledge on best practices for multilevel governance approaches to ocean climate adaptation and mitigation*

***Research Objective 8.** Develop understanding on key ingredients for transformation towards more sustainable, equitable and inclusive governance approaches to fisheries and aquaculture*

***Research Objective 9.** Support implementation of post-2020 biodiversity targets for marine spatial planning and marine protected areas*

NA

### 1.d. Innovation Challenge 3

*To advance understanding of ecological feedbacks in the Earth System*

NA

### 1.e. Innovation Challenge 4

*To advance and improve the use of social science data for ocean management, decision making and policy development*

NA

### 1.f. Innovation Challenge 5

*Interventions to change the course of climate impacts*

NA

### 1.g. Innovation Challenge 6

*Sustainable management of Blue Carbon ecosystems*

NA

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## 2. Selected highlights

### 2.a. Selected scientific highlights since last report (1-5)

*Last report was submitted to SSC meeting, April 2023*

**(14) EDI - IMECaN - Regional Programmes**, Paper & guidelines, co-chair Laura Kaikkonen is the leader of perspective papers and guidelines.

- IMECaN convened an online workshop on fostering Diversity, Equity and Inclusion in interdisciplinary marine sciences. The workshop outcomes were used as a basis of a collaborative perspective paper led by the IMECaN organising committee and co-authored by all workshop participants. The manuscript is now under review by njp Ocean Sustainability since 29th February 2024.

**(21) Policy brief/protocol** on best practices in integrating social and natural sciences in marine research & **(22) Session on dissemination** of best practices in integrating social and natural sciences in marine research

- IMECaN convened two online workshops in January-February 2024 for representatives of marine and polar science early career networks to develop guidelines for how to better engage early career researchers in scientific collaborations and processes. A manuscript to accompany the guidelines is currently being developed with the co-author group (n=27).

## 2.b. Publications since last report

Please add all publications since last report to the table below (see notes for details on “Class” and “Activity” fields).

<b>Publication with DOI</b>	<b>Class 1, 2, 3</b>	<b>Activity*</b>
Preprint: Fostering diversity, equity, and inclusion in interdisciplinary marine science, 10.22541/au.171052473.32741331/v1	1	IMECaN DEI workshop
[Add more rows if needed]		

*\*If appropriate, please list the IMBeR activity through / by / from / during which the publication arose*

**\*\*\*\*Notes on publications\*\*\*\***

Publications are logged in the IMBeR Zotero library which is publicly accessible online –

[Publications since 2016](#) | [Publications prior to 2016](#)

Publications are categorised by “Class” and linked to “Activities”:

**Class 1 publications** are specifically generated through/by/from/during **IMBeR activities** - for example, arising from IMBIZOs and IMBeR conferences such as the IMBeR open science meeting and the IMBeR West Pacific symposia and from the activities of the working groups, regional programmes and the SPIS scoping teams.

**Class 2 publications** are on topics relevant to the IMBeR Science Plan that benefitted from some interaction with IMBeR or **IMBeR activities**, for example by IMBeR symposium attendees, past and present SSC members, working group, regional programme and endorsed project members, or national contacts.

**Class 3 publications** are on topics relevant to the IMBeR Science Plan but for which there is no direct link to or benefit from an IMBeR activity. These might include publications by SSC members, working group, regional programme or endorsed project members or members of the IMBeR international community that were written as part of the normal scientific activity of the authors and would have occurred irrespective of IMBeR's existence. You can report Class 3 publications, but they will no longer be logged in the IMBeR database.

[See "[What is an IMBeR publication?](#)" for further information]

**Why list 'Class' and 'Activity'?** This helps us to declare authentically which publications IMBeR has helped to generate, and it makes it easier for us to demonstrate the value of the Regional Programmes, the Working Groups, and IMBeR in general, and it helps us to justify support for IMBeR activities when we can list tangible outputs.

## 2.c. Events, Meetings, and Workshops

*List all international and national events, meetings and workshops. Describe the level of participation: e.g. chairing session/workshop, organising meeting. Include Endorsed Projects committee meetings and workshops.*

*Format: Title of event. Date. Location. Description of participation. Any other pertinent details.*

- (1) **5th International Symposium on Effects of Climate Change on the World's Oceans, April 17 to 21 of 2023, Bergen, Norway**, participation of several IMECaN members, *Kat Maltby, Kelly Ortega-Cisneros, Stephanie Brodie, Sara Garcia-Morales Hurtado, Juliano Palacios Abrantes, and Samiya Selim.*
- (2) **2024 UN Ocean Decade Conference, 8th April 10, 2024 - April 12, 2024, Barcelona, Spain**, participation of several IMECaN members, *Shenghui Li, Sara Garcia-Morales Hurtado and Samiya Selim.*
- (3) **2nd UN Ocean Decade Regional Conference & 11th WESTPAC International Marine Science Conference "Accelerating Ocean Science Solutions for Sustainable Development", 22-25 April 2024, Bangkok, Thailand**, *Shenghui Li, oral presentation in and expert dialogue in Scientific Sessions and Ocean Action Workshops.*
- (4) **ICES Annual Science Conference, 11 September 2023 - 14 September 2023, Bilbao, Spain.** *IMECaN work on "Fostering Diversity, Equity, and Inclusion in interdisciplinary marine science" presented by co-chair Laura Kaikkonen.*

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## 3. International collaboration and links

- (1) *IMECaN was added as one of the partnerships of ECOP Asia and China in March 2024, here is the link: <https://www.ecopdecade.org/china/>*

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## 4. Input to management, policy and SOCIETY\* over the last year

*Add anything that is not covered under "1.c. Grand Challenge III"*

*\*As previous reporting forms requested 'input to management and policy' only, please add any 'input to society' not captured in previous reports*

NA

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## 5. Education, outreach and Capacity Development

- (1) IMECaN collates a newsletter to its members every 3 months, highlighting content from our members, interesting reads, job opportunities and upcoming events. In addition, IMECaN has a strong online presence on Twitter (@IMECaN4), where we share events, papers, and opportunities and communicate with both our network's members and other ECR initiatives and associated projects. As per IMECaN's terms of reference, IMECaN activities are focused on capacity development for marine ECRs. To improve our activities, IMECaN conducted an online survey and a series of twitter polls to its members to learn more about what IMECaN members hope to see from IMECaN in the future.
- (2) IMECaN monthly webinar on science communication in partnership with the Ocean Frontier Institute, lead by Ariel Smith, April 24, 2024.

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## 6. Planned activities

### 6.a. Activities and Outreach and how they link to the Challenges (including, but not limited to convening sessions, meetings, summer schools, workshops, etc)

- (1) ECR DAY was planned to happen at IMBIZO in Morocco but had to be moved to another workshop session. IMECaN plans to continue to support IMBeR events in delivering activities, content, and outreach to early career marine researchers. The focus area for the upcoming year is furthering IMECaN work on diversity, equity and inclusion, as well as capacity building for ECRs to work in interdisciplinary projects. In addition, we are increasing our focus on career development, a topic that has been highly demanded by our members based on our membership surveys.
- (2) IMECaN co-chair (Shenghui Li) and ECOP-China coordinators (Yuntao Wang and Chunhua Jiang) will co-convene ECOP Engagement Workshop entitled "Advancing Ocean Sustainability: The Role of Early Career Ocean Professionals in Capacity Building, Ocean Literacy and Collaborative Leadership" in 2025 Xiamen Symposium on Marine Environmental Sciences, January 14-17, 2025, Xiamen, China.
- (3) More on-site and online activities (such as monthly webinars) will be organised to achieve three key goals of IMECaN: to develop collaborations, to provide trainings and to provide leadership opportunities

### 6.b. Upcoming papers (Community-Position-Review-etc)

- (1) *Fostering diversity, equity, and inclusion in interdisciplinary marine science*, submitted to *njpe Ocean Sustainability*, preprint in March 2024, DOI: 10.22541/au.171052473.32741331/v1

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## 7. Funding

### 7.a. Funding from external sources

NA

### 7.b. Funding proposals in progress or planned

NA

## 7.c. Funding requested from IMBeR for 2024-2025

*Include a brief budget and justify requests*

US\$ 3000 to cover potential travel, logistic or event organisation expenses carried by the IMECaN Executive Committee.

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## 8. Changes to Organisational Structure

*Since last April we have welcomed several new members to the IMECaN steering committee. In 2023 Kat Maltby, a postdoc at the Gulf of Maine Research Institute in Maine, US and Juliano Palacios Abrantes, a postdoc at the Institute for the Oceans and Fisheries of the University of British Columbia, joined the committee. In 2024, the committee welcomed Alex Smith, the Project Coordinator at the Ocean Frontier Institute in Halifax, Canada; Priyatma Singh, a lecturer and researcher at the University of Fiji; Mia Strand, a marine social scientist at Nelson Mandela University in South Africa and Gabriella Akpah Yeboah, a PhD student at the University of Ghana. The chairs have also changed, with Samiya Selim stepping down in December 2022, and Laura Kaikkonen, Shenghui Li, and Rebecca Shellock taking the lead in January 2023. In July of 2024, Laura and Rebecca are stepping down and the leadership will fall upon Shenghui Li and Juliano Palacios Abrantes. During the same time, Carl Peters, Shan Jiang, stepped down from the steering committee. To date, the IMECaN steering committee comprises 12 members, including two chairs.*

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## 9. Images / Figures

*\*\*\*\*It is always good to have some recent photos / figures / infographics to create more exposure for the Regional Programmes, Working Groups, etc. These can range from those suitable for a very scientific audience, to those that would engage the general public. IMBeR would use these, on the website (e.g. <http://www.imber.info/> and <http://www.imber.info/en/news>), in tweets (@imber\_ipo), in presentations, etc. In addition, Future Earth (one of our sponsors) regularly asks us to provide high quality images for their glossy reports. These can highlight the activities of IMBeR and their other Global Research Projects (see pdfs of past Future Earth reports here <https://futureearth.org/publications/annual-reports/>)*

*So, please provide any images that you might think are useful. These can be pasted in this document or emailed as an attachment to [imber@ecnu.edu.cn](mailto:imber@ecnu.edu.cn).\*\*\*\**



Current and past members of the IMECaN organising committee at the 5th International Symposium on Effects of Climate Change on the World's Oceans, April 17 to 21 of 2023, Bergen, Norway. From left



to right: Kat Maltby, Kelly Ortega-Cisneros, Stephanie Brodie, Sara Garcia-Morales Hurtado, Juliano Palacios Abrantes, and Samiya Selim.



*Current members of the IMECaN organising committee at the 2024 UN Ocean Decade Conference, 8th April 10, 2024 - April 12, 2024, Barcelona, Spain. From left to right: Shenghui Li and Sara Garcia-Morales Hurtado.*

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## 10. Anything not covered above

NA

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## 11. How to improve this form

*Please give suggestions on how to improve this form and make it better next time.*

NA

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## 12. Appendices

*Add appropriate meeting / workshop reports and include URLs (this helps to track where online content is missing)*

NA