

REPORTING FORM 2024

Please return completed form to imber@ecnu.edu.cn by **26th 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.

Insert name of Grand Challenge: GCIII: Improving and achieving sustainable ocean governance

List authors: Derek Armitage

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*

Add text...

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*

Add text...

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*

The following activities were undertaken:

- 1. Completion of a special issue on best practices for multilevel governance approaches to ocean climate adaptation and mitigation (<https://ecologyandsociety.org/feature/128/>)*
- 2. Various preparations for the IMBIZO workshop initiative in Morocco (workshop focal activities and questions; potential outcomes and planning facilitation). This involved a visit from Dr. Mica Trimble to the University of Waterloo for a planning session. (*IMBIZO7 workshop cancelled).*

1.d. Innovation Challenge 3

To advance understanding of ecological feedbacks in the Earth System

Add text...

1.e. Innovation Challenge 4

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

Add text...

1.f. Innovation Challenge 5

Interventions to change the course of climate impacts

Add text...

1.g. Innovation Challenge 6

Sustainable management of Blue Carbon ecosystems

Add text...

2. Selected highlights

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

Last report was submitted to SSC meeting, April 2023

Add text...

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).

Publication with DOI	Class 1, 2, 3	Activity*
Muhl, E.-K., D. Armitage, K. Anderson, C. Boyko, S. Busilacchi, J. Butler, C. Cvitanovic, L. A. Faulkner, J. A. Hall, G. Martynuik, K. Paul-Burke, T. Swerdfager, H. Thorpe, and I. E. van Putten. 2023. Transitioning toward “deep” knowledge co-production in coastal and marine systems: examining the interplay among governance, power, and knowledge. <i>Ecology and Society</i> 28(4):17. https://doi.org/10.5751/ES-14443-280417	3	
Dias, A.C.E., Armitage, D., Nayak, P.N. et al. 2023. From vulnerability to viability: A situational analysis of small-scale fisheries in Asia and Africa. <i>Marine Policy</i> . 152: 105731.	3	
Galappaththi, M., Weeratunge, N., Armitage, D. and A.M. Collins. Gendered dimensions of social wellbeing within dried fish value chains: insights from Sri Lanka. <i>Ocean & Coastal Management</i> . 240: 106658.	3	
Castillo, T.I., Baigún, C. & Trimble, M. An Assessment of Small-scale Fisheries of the Paraná River Delta Through the Sustainable Livelihoods Approach. <i>Hum Ecol</i> 51 , 1071–1083 (2023). https://doi.org/10.1007/s10745-023-00454-5	3	
Gianelli, I., M. Trimble, S. Juri, N. A. Beretta, D. Torena, M. Acosta, R. Acosta, M. Del Bó, J. A. Fuster, V. González, D. Kurta, M. Kurta, T. López, M. E. Marfetán, P. Montes de Oca, A. Morales, V. Pardo, J. Sandoval, N. Schuch, C. Taroco, A. V. Norström, L. M. Pereira, and S. Villasante. 2024. Envisioning desirable futures in small-scale fisheries: a transdisciplinary arts-based co-creation process. <i>Ecology and Society</i> 29(1):20. https://doi.org/10.5751/ES-14869-290120	3	
Cisneros, P., Solorio, I. & Trimble, M. Thinking climate action from Latin America: a perspective from the local. <i>npj Clim. Action</i> 3 , 5 (2024). https://doi.org/10.1038/s44168-023-00081-2	3	

[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.

Add text...

3. International collaboration and links

Add text...

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*

Add text...

5. Education, outreach and Capacity Development

Add text...

6. Planned activities

In relation to Research Objective 8, GC III participants are continuing to focus on understanding key ingredients for transformation towards more sustainable, equitable and inclusive governance approaches to fisheries and aquaculture. We will be hosting a session on SSF transitions linked to GCIII priorities at the Program on Ecosystem Change Conference in Montreal (August 12-16, 2024). The session will be co-led by Trimble and Armitage.

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

Add text...

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

Add text...

7. Funding

7.a. Funding from external sources

7.b. Funding proposals in progress or planned

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

Include a brief budget and justify requests

8. Changes to Organisational Structure

We are pleased to have Dr. Marta Ballesteros join GCIII; We thank Dr. David VanderZwagg who completed his position as Chair/co-chair of GCIII

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.****

10. Anything not covered above

Add text...

11. How to improve this form

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

Add text...

12. Appendices

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

Add text...