

## REPORTING FORM 2024

Gulf of Trieste – Time-series (GoTTs)

Bruno Cataletto

---

### 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*

Add text...

### 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).

<b>Publication with DOI</b>	<b>Class 1, 2, 3</b>	<b>Activity*</b>
Celussi M., Manna V., Banchi E., Fonti V., Bazzaro M., Flander-Putrlle V., Klun K., Kralj M., Orel N, Tinta T. (2024) Annual Recurrence of prokaryotic climax communities in shallow waters of the North Mediterranean. <i>Environmental Microbiology</i> , doi: 10.1111/1462-2920.16595	3	Time series multivariate analyses on 16S rRNA amplicon sequencing data
Giani M., Pavlidou A., Kralj M., Varkitzi I., Borja A., Menchaca I., Lipizer M., Partescano E., Urbini L., Francé J., Magaletti E.,	3	Setting common methods for the



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**

#### **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. Changes to data management

*Please note this will be placed on the endorsed project webpage*

Name and e-mail of the person in charge of data management:

Name of the data centre where your project data are stored:

Direct web link where the project data are available:

---

## 8. Changes to Organisational Structure and/or funding sources

*Add text...*

---

## 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).\*\*\**

---

## 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...*