



August 19, 2022

Annual Report of the International Association for Biological Oceanography (IABO)

Activities summary for 2021 - 2022

The International Association for Biological Oceanography (IABO) continues to advance the Association's goals with the support of the current and past Presidents, Secretary, and Executive Committee, and Task Group Members.

During this performance cycle, IABO activities focused on five key areas: 1) plans for the upcoming 6th WCMB meeting planned for 2023; 2) reviewing of SCOR Working Group proposals; 3) progress toward implementing the *PeerJ-IABO Hub*; 4) formalizing IABO's membership; and 5) selection of Carlo Heip awardee. Details about each of these activities are provided below.

1. 6th WCMB meeting planned for 2023 and collection of selected papers from the 5th WCMB

IABO is currently supporting the organization of the upcoming 6th WCMB conference in 2023 in collaboration with the Centre for Marine & Coastal Studies (CEMACS) of Universiti Sains Malaysian (USM). The 6th WCMB is planned to be held in Penang, Malaysia. The conference bid proposal is available on IABO's [website](#).

In collaboration with PeerJ Publishing Group, a collection of selected papers from the 5th WCMB was launched. This collection contains four articles on the discovery of extensive fields of



Malaysia's Bid to Host

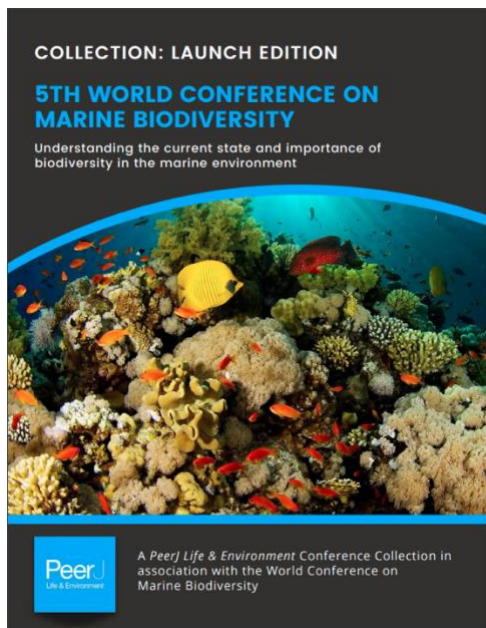
World Conference On Marine Biodiversity
2023, Penang

Presented by:



Supported by:





cyanobacteria-like mats that threaten coral health off Rapa Nui (Easter Island), a study of the distribution of 71,108 amphipods from 355 species across the Icelandic seabed, a model to predict distribution of sponge and coral species in unexplored seamounts off South America, and an study about dispersal and connectivity of coral reef-dwelling species in the South China Sea. Additional articles are still under consideration at *PeerJ Life & Environment* and will be added to this collection upon acceptance. More information about the collection is available on the [web](#).

2. Review of SCOR Working Group Proposals

IABO's Executive Committee and the Science Task Group completed the evaluation of the following

Working Group proposals submitted to SCOR in 2021:

- Towards best practices for Measuring and Archiving Stable Isotopes in Seawater ([MASIS](#))
- Developing resources for the study of Methylated Sulfur compound cycling PROCesses in the ocean ([DMS-PRO](#))
- Foraminifera in Extreme and Rapidly Changing Environments ([FIERCE](#))
- Reducing Uncertainty in Soluble aerosol Trace Element Deposition ([RUSTED](#))
- DEveloping Repositories for carbon FLUX quantification: Th-234 as a case study ([DEPOFLUX](#))
- DYNamic Approaches for assessing Marine biota responses to fluctuating Oceans ([DYNAMO](#))
- Impact of biotoxins on marine apex predators in Upwelling Systems ([ToxMAP](#))

3. Progress toward implementing the *PeerJ-IABO Hub*

IABO continues to advance a partnership with *PeerJ* to enable access to their portfolio and online platform and infrastructure to lower publishing costs in their open-access journals (including discounts and full fee waivers for selected countries). This collaboration will lead to the development of the *PeerJ-IABO Hub*, an online platform for IABO members to submit their contributions to *PeerJ* open access journals. This online interface will drive membership growth of IABO, highlight social media feeds for the current and prospective members of the Association, promote IABO announcements (e.g. Carlo Heip Excellence Award notifications, WCMB conferences, community workshops), and collect funding in the form of tokens that can be used toward publishing fees of submissions from registered IABO members from developing and least developed nations. More information about the *PeerJ-IABO* partnership can be found on the [web](#).

IABO's Executive Committee has formally approved this partnership, and the President and Secretary have signed a Memorandum of Understanding and Partnership Agreement with *PeerJ*. The MoU is available below.

The launch of the *PeerJ-IABO Hub* is planned for September of 2022.

4. Formalizing IABO's membership

To fulfill its mission of promoting and advancing knowledge of the biology of the sea, IABO is now collecting membership information to better serve its community. A 'Join IABO' [tab](#) has been added to website for people interested in joining the Association to input their affiliation information and request to become active members of IABO. The list generated by this [Google Form](#) will be used to verify membership for benefits of travel grants, notification information about fellowships, job opportunities, international collaborations, and publishing benefits of the *PeerJ-IABO Hub*.

5. Selection of Carlo Heip awardee 2021

In this cycle, IABO received four nominations to the Carlo Heip Award. The [Recognition Task Group](#) was responsible for coordinating the selection process. The selected candidate for the 2021 Carlo Heip Award is Prof. Pablo Penchaszadeh. The award ceremony is planned to be at the 6th World Conference on Marine Biodiversity in Penang, Malaysia, during the IABO's General Assembly.

Pablo Penchaszadeh is a Senior Research Scientist at the Argentinian Museum of Natural History (MACN) leading the Marine Ecology Division and the Coastal, Shelf and Deep-Sea Laboratory, and a retired professor from the Department of Environmental Studies at Simon Bolivar University in Caracas, Venezuela.

Pablo is an exceptionally productive scientist, professor, mentor, and inspiring artist who for more than 55 years of continuous work has applied modern methods and tools to problems in the physiology, functional morphology, and natural history of marine invertebrates of Molluscs, Echinoderms, Coelenterates and Dicyemids which resulted in more than 260 publications. Pablo pioneered the study of invertebrate diversity in South Atlantic and South Caribbean environments, as well as in the abyssal fauna off the Argentinean coast. He mentored the most productive research group in marine biodiversity and conservation



in Argentina and Venezuela, which over the years launched his many students into productive and distinguished careers resulting in a quantum leap in a region where knowledge was very limited.

Pablo has received several international highly prestigious awards, the most notable being the Chevalier de l'Ordre des Palmes Académiques of France in 2006 for pioneering research and writing books on French naturalists Alcides d'Orbigny and Aimé Bonpland, as well as Alexander von Humboldt in South America. He also received the Honor Diploma in 2003 by the Internationaler Wettbewerd of Leipzig for his contributions to the book Biodiversity of Venezuela. In 2015 he also received the Consecration Award by the Argentinian Academy of Exact, Physics and Natural Sciences for his prolific production in the study of marine biodiversity.

Pablo has strongly fostered collaboration between various institutions in the Americas and the Caribbean. He created ALICMAR, the organization hosting the Latin American Marine Sciences conferences (COLACMAR); he chaired Unitas Malacologica; he helped establish the Caribbean Commission of the Intergovernmental Oceanographic Commission of UNESCO (IOCARIBE), and he helped to build the Caribbean Coastal Marine Productivity (CARICOMP) network aimed at monitoring the diversity, distribution, and abundance of coral reefs, seagrass beds and mangrove forests in the Caribbean.

In addition to his scientific work, Pablo has promoted the communication of scientific knowledge in ecology and conservation to the public. He was in the Editorial Committee of the popular journal Ciencia Hoy for 22 years and its director for 9 years; and authored the wonderful books Underwater Patagonia, Alexander von Humboldt and Aimé Bonpland in South America, and Invaders.

Finally, as a notably talented artist with a unique blending of science and arts in his career, Pablo's paintings have been exhibited in many places, including the Grand Palais in Paris where he participated in the Centenaire du Salon des Indépendants.

PeerJ-IABO Hub MoU

Project to Co-develop “PeerJxIABO”

Memorandum of understanding between PeerJ Inc (PeerJ) and The International Association for Biological Oceanography (IABO).

This memorandum of understanding (MOU) is intended to define a project to co-develop “PeerJxIABO”. It is not a legally binding contract but outlines the project activities and deliverables.

Both parties agree in good faith to work together and co-develop PeerJxIABO with the shared intention of benefitting the research community of IABO.

PeerJxIABO

This MOU establishes the intention of both PeerJ and IABO to co-develop “PeerJxIABO”, a publication portal specifically for members of IABO, built on PeerJ’s journal publishing and technology infrastructure.

PeerJxIABO will be represented online by a co-branded landing page(s) hosted by PeerJ, which will display relevant research articles and information about both parties and the partnership. Both parties will develop and agree on the features and design of the landing page(s) as part of this project.

Submission of research articles to PeerJxIABO will be limited to members of IABO. A subset of IABO members chosen by IABO - the PeerJxIABO Editorial Team - will be involved in the assessment of research articles submitted to the portal. See “Editorial Model” below.

PeerJ and IABO will also develop and agree on a “Benefit Model” (see below).

Editorial Model

PeerJ and IABO will develop a “Curation Model”, whereby a PeerJxIABO Editorial Team, made up of IABO members, will assess the eligibility of research article pre-submissions made to PeerJxIABO based on scope (i.e. the topic of the research article would be of specific interest to the IABO community) and membership (i.e. one or more of the co-authors of the submission is a member of IABO).

Approved pre-submissions will be submitted to one of PeerJ’s journals (in this instance, *PeerJ*, PeerJ’s journal of life and environmental sciences) for peer review by the journal’s Editorial Board. Submissions must meet the editorial and peer review standards of the journal to be accepted for publication.

Members of IABO will be invited to apply to join the *PeerJ* Editorial Board. In this role they may be invited to handle the peer review of full submissions to PeerJxIABO and general submissions to the journal.

Articles submitted to PeerJxIABO and accepted for publication will be published in *PeerJ* and indexed accordingly. Articles will be published online and displayed on the PeerJxIABO landing page. Articles will be co-branded to denote their affiliation with PeerJxIABO.

On a regular basis, IABO and PeerJ will assess the Editorial Model of PeerJxIABO and may agree to change the model to alternative PeerJx options.

Benefit Model

PeerJ and IABO will work together to define a Benefit Model for the partnership. This model may include:

- A revenue share paid to IABO based on Article Processing Charges received by PeerJ for the publication of research articles affiliated with PeerJxIABO.
- A discounted Article Processing Charge for IABO members.
- A fixed-term PeerJxIABO membership with publishing rights for subscribed members.
- The use of PeerJ Tokens to create a funding pool that can be accessed by IABO members who cannot afford to pay Article Processing Charges in their entirety.

PeerJ and IABO will also work together to define promotion of PeerJxIABO, including but not limited to:

- promotion at WCMB conferences, via social channels and newsletters
- IABO encouraging its members to submit to PeerJxIABO
- PeerJ promoting membership of IABO

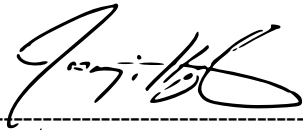
Any agreed Benefit will be reviewed on a regular basis after launch.

Both parties agree that, upon signing this MOU, they may publicise the partnership and the intention to co-develop PeerJxIABO for launch in 2022.

Both parties agree that before the launch of PeerJxIABO they will create a Partnership Agreement based on the outcomes of this project.

Both parties agree that either party may withdraw from this project without consequence.

For PeerJ Inc.



Jason Hoyt, CEO

Date: 8th March 2022



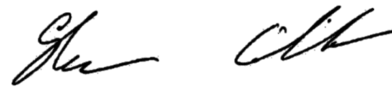
Nathaniel Gore, Director of Communities

For IABO



Enrique Montes, President

Date:



Suchana Chavanich, Secretary