



NZOAC and PI-TOA April Newsletter

Congratulations to NZOAC member Rebecca Zitoun, who was recently appointed to the [Ocean Best Practice System](#) (OBPS) Steering Group. OBPS supports the development of ocean best practices and their [repository](#) contains over 1500 open access resources, including over 200 best practices related to ocean acidification.

Earlier this month, [Palau](#) hosted the [2022 Our Ocean Conference](#), which is the first time this conference has been held in a small island developing state. This conference brings together governments, NGOs, and the private sector who commit to “concrete action to advance ocean issues, including ocean-climate issues”. This year’s conference led to [410 commitments worth \\$16.35 billion USD](#).

For the second month in a row, Radio New Zealand has highlighted the work of NZOAC members. This month, they speak with our very own “[fangirl of the bryozoan](#)”, Professor Abby Smith.

We are happy to share that the abstract deadline for the [International Symposium on the Ocean in a High CO₂ World](#) has been extended to 7 May. This hybrid symposium, which happens every four years, is the largest international OA gathering. Organisers of the Symposium recently announced opportunities to make the event more accessible, including free virtual access for participants from developing nations.

Ocean acidification in the New Zealand and the Pacific

- SPC’s Dr Jérôme Aucan (Head of the Pacific Community Centre for Ocean Science, PCCOS) discusses ocean acidification and [the importance of traditional knowledge and collaboration in ocean science](#).
- A Spinoff article highlights the depletion of fish stocks due to sea temperatures, OA and overfishing. [Te Ohu Kaimoana](#) policy analyst Te Aomihia Walker (Ngāti Porou, Rongowhakaata) discusses [bringing tikanga to her research and the value indigenous knowledge adds to the management of fisheries](#).
- The recently released [Environment Aotearoa 2022](#) discusses the negative impacts of OA, ocean warming, and marine heat waves on our ability to gather kai moana.
- PI-TOA organised a side event during the Palau Our Ocean Conference on 14 April titled [Ocean Acidification in the Pacific Islands: From Local to Global Scales](#) with IOC-UNESCO, GOA-ON, SPREP, and SPC. Concrete examples of country-level OA monitoring projects, regional capacity building activities and resources, and global initiatives were shared.

Acidification, fisheries, and aquaculture

- Researchers from the Pacific Northwest National Laboratory prepared an open access review on [Ocean Deacidification Technologies for Marine Aquaculture](#).
- As part of their Spring Discussion Series, [The Alaska Ocean Acidification Network](#) has shared two webinars relevant to fisheries and aquaculture: [Mariculture and subsistence](#) and [What does ocean acidification mean for commercial species in Alaska?](#)

Resources

- The [Allan Coral Atlas](#) has a new feature that allows users to [monitor coral reefs within specific national maritime boundaries](#).
- The new [Copernicus Marine Service web portal](#) makes ocean science accessible to all through their [Ocean Explainers](#) educational web pages.
- The Deep-Ocean Stewardship Initiative (DOSI) has created a list of [open access marine science journals](#). You can suggest an edit or addition to the list [here](#).

Upcoming webinars

- [Using Regulatory Data to Inform Marine Spatial Planning Efforts](#), Deirdre Brannigan (ProtectedSeas), **29 April**
- [Vaka Moana: Data Visualisation Tools for an Accessible Pacific Ocean](#) (SPC), **11 May**
- [The ONo Index: Detecting novel ocean conditions for MPA management](#), Steven Mana'oakamai Johnson (Arizona State University), **10 June**

Recent webinars (now available for streaming)

- All live discussions from the recent [Pacific Island Ocean Acidification Online Training](#) are now available online.
- [IPCC Sixth Assessment Report: An overview of Impacts, Adaptation and Vulnerability for the Pacific](#), This SPREP-led panel discussion featured Mark Howden (ANU), Luteru Tauvale (MNRE), Jonah Auka (PNG), Filomena Nelson (SPREP), and Yvette Kerlake (PCCC).
- [Seagrass restoration helps mitigate ocean acidification](#), Christopher Moore, US Geological Survey
- [Ocean Acidification and Harmful Algal Blooms](#), Hans Paerl (University of North Carolina, Institute of Marine Sciences) and Tristyn Berceel (Mote Marine Laboratory, Florida).
- [Knowledge Exchange on National Ocean Policies and Youth-Led Initiatives in the Pacific](#), virtual talanoa organised by the Pacific ECOP Network (SPC)

Selected recent articles from our members

- [No evidence of altered relationship between diet and consumer fatty acid composition in a natural plankton community under combined climate drivers](#), Meyers, M., Décima, M., Law, C.S., et al, Journal of Experimental Marine Biology and Ecology
- [Vulnerability to Food Insecurity in a Telecoupled World: Insights From Vanuatu](#), Nef, D.P., Kotra, K.K., et al., Frontiers in Sustainable Food Systems
- [Crown of thorns starfish life-history traits contribute to outbreaks, a continuing concern for coral reefs](#), Deaker, D.J. and Byrne, M., Emerging Topics in Life Sciences

- [Impacts of ocean warming and acidification on calcifying coral reef taxa: Mechanisms responsible and adaptive capacity](#), Cornwall, C.E., Comeau, S., et al., Emerging Topics in Life Sciences
- [How can a new UN ocean treaty change the course of capacity building?](#), Harden-Davies, H., Amon, D.J., et al, Aquatic Conservation: Marine and Freshwater Ecosystems

ECOPs (early career ocean professionals) and outreach happenings

- Be part of the [2022 UN Ocean Conference Youth and Innovation Forum](#) in Lisbon, Portugal. Application deadline **25 April 2022**.
- The [Ocean Best Practice System](#) is looking for 2-3 ECOPs to be part of the public relations committee (i.e. help promote the workshop) for the upcoming OBPS [Workshop VI](#) in October 2022. Contact [Rebecca Zitoun](#) for more info.

Conferences, events, and workshops

- [The 8th International Symposium on Gas Transfer at Water Surfaces](#) (hybrid), **17 - 20 May 2022**
- [Workshop: Supporting Marine Earth Observation Educators](#) (virtual), **30 May - 17 June 2022**
- [4th World Small-Scale Fisheries Congress](#), Japan **10 - 13 May** and North America, **20 - 22 June 2022**
- [United Nations World Oceans Day](#) (virtual), **8 June, 2022**
- [United Nations Ocean Conference](#) (hybrid), Lisbon, Portugal, **27 June-1 July, 2022**
- [Integrating Environmental, Organismal and Community Complexity into Ocean Global Change Research \(Gordon Research Conference\)](#), New Hampshire, USA, **17 - 22 July 2022**
- [The 5th International Symposium on the Ocean in a High CO₂ World](#), Lima, Peru, **13 - 16 September 2022**
- **NZOAC - [15th NZOAC Conference](#), November 2022 (TBC)**

International opportunities

- The call for new [Ocean Voluntary Commitments](#) to support the implementation of SDG 14 is now open.
- Register your [ocean-related event](#) to feature on the [UN World Oceans Day](#) website.
- Call for Decade Actions No. 03/2022 is open. Submit your Action via the [Global Stakeholder Forum](#)

Jobs

- [Intermediate Marine Ecologist](#) with Tonkin+Taylor in Wellington, New Zealand. Closes **29 April 2022**.
- [Research Associate - Antarctic/Southern Ocean Modelling](#) with the University of Tasmania in Hobart, TAS, Australia. Closes **15 May 2022**.
- [Principal Ecologist](#) with Cardo in Sydney, NSW and Brisbane, QLD, Australia.
- [Ecologist / Water Quality Scientist](#) with Stantec in Auckland, New Zealand.
- [Principal Aquaculture Consultant](#) with BMT in Perth, WA, Australia.
- [Marine Surveyor](#) with SGS in Auckland, New Zealand.
- [Senior Ecologist](#) with Boffa Miskell in Dunedin, New Zealand.

- [Marine & Freshwater Taxonomist](#) with SLR Consulting in Nelson, New Zealand.
- [Marine Technician](#) with the Australian NAVY in Hobart, Tasmania, Australia.
- [Senior Technical Officer](#) with Petuna Aquaculture in Launceston, Tasmania, Australia.
- [Postdoc - Fisheries Simulation Modeling](#) with Saltwater, Inc. at the NOAA Northeast Fisheries Science Center at the Woods Hole Laboratory in Woods Hole, MA, USA.
- [Postdoc - Marine Microbial Biogeochemistry](#) with the University of New Hampshire at the Ocean Process Analysis Lab in Durham, NH, USA.
- [Postdoc - Responses of Farmed Shellfish to Multiple Stressors](#) with Rutgers University at the Haskin Shellfish Research Laboratory in Port Norris, NJ, USA.
- [Postdoc - Institute of Global Change Biology \(IGCB\)](#) with the University of Michigan in Ann Arbor, MI, USA.
- [Postdoc - Marine Global Change Ecology Lab](#) with the University of Massachusetts Amherst in Amherst, MA, USA.
- [Postdoc - Dept. of Rosenstiel School of Marine and Atmospheric Science](#) with the University of Miami in Miami, FL, USA.
- [Postdoc - MAP Shellfish Stock Assessment](#) with the Virginia Institute of Marine Science in Gloucester, VA, USA.
- [Postdoc - San Francisco Bay River Plume](#) with Rutgers University, Dept. of Marine & Coastal Science in New Brunswick, NJ, USA.

If you have news, opportunities, resources, or a published article you'd like included in the next newsletter, let us know by replying to this e-mail.

If you would like to subscribe to the NZOAC / PI-TOA newsletter mailing list, reply with "Subscribe" in the subject line. If you would like to unsubscribe from this mailing list, reply with "Unsubscribe" in the subject line.

Cheers,

Christina McGraw (Otago), Pierre-Yves Charpentier (SPC), Jesse Vance (Otago), and Rebecca Zitoun (GEOMAR)