



NZOAC and PI-TOA June Newsletter

This year, the [New Zealand Marine Science Society Conference \(NZMSS\)](#) (hosted by AUT) has shifted to 22 – 24 November. Many of our NZOAC members will find it difficult to attend two conferences so close together, so the NZOAC Council has decided to cancel their 2022 conference and instead work with NZMSS to organise an OA session within the NZMSS conference.

Mary Sewell has offered to host a one-day, pre-conference event for NZOAC members at University of Auckland (21 November). As we plan for these events, we would like to know your views on the one-day NZOAC meeting and the OA session within the NZMSS conference. We would appreciate it if you could **answer the 3 short questions in this [Google Form](#) by Sunday**, so the NZOAC Council can consider your preferences at their Monday meeting.

In other conference news, Mary Sewell is also co-organising the 2022 [Ocean Global Change Biology](#) Gordon Research Conference (applications due **19 June**). ECRs may be interested in attending the [2-day forum](#) prior to the Conference.

Finally, please save the date for PI-TOA's GOA-ON Webinar on **25 August** (11 - 12 am Fiji/NZ Time). If you are interested in giving a short talk about your research, please let PI-TOA know by replying to this email.

Ocean acidification in the New Zealand and the Pacific

- The Commonwealth Blue Charter released a new Pacific Islands case study: [Building Local and Regional Resilience through the Pacific Partnership on Ocean Acidification](#)
- There is a lot of OA news out of Victoria University of Wellington this month. James Bell's [work in PNG](#) showed that tropical sponges were able to survive near low-pH CO₂ vents. The team made a [short video](#) showing the vents and the underwater experimental system.
- Also out of Wellington, Chris Cornwall was highlighted in a [Stuff article](#) about the [Love Rimurimu](#) project, which is working to understand how OA and warming affects seaweed, and how to stop their decline.
- In late May, NZOAC and PI-TOA members from University of Otago, NIWA, OA Alliance, SPC, SPREP and The Ocean Foundation partnered to create a two-part course for policymakers and government officials through the Commonwealth Blue Charter: *Addressing the impacts of ocean acidification through mitigation, monitoring, and policy*.

Acidification, fisheries, and aquaculture

- A recent [study out of California](#) worked with shellfish farm growers and managers to understand the industry's perception of OA and identify industry-driven adaptive strategies. A general summary of the paper can be found at [The Fish Site](#).
- Kelp + Aquaculture continues to be a hot topic. Newswise [summarises](#) a [laboratory and field study](#) showing that growing oysters with kelp mitigated the impacts of OA and led to faster oyster growth.

Resources

- The OA Alliance just released another great OA infographic. Their latest poster shows how [OA action supports international frameworks](#), including SDGs, UNFCCC, UNCLOS, and Aichi Targets.
- [Ocean Teacher Global Academy](#) (OGTA) has a new course: Creating a best practice. This course takes you through the seven steps required to develop an ocean best practice. Once you complete the free OGTA registration, you can find the course by searching for "Ocean Best Practices".

Upcoming webinars

- [Measuring progress towards effective MPAs – Indicators and tools](#), range of speakers from OCTO, IUCN WCPA Marine, and NOAA National MPA Center, 21 June.
- [Integrating Climate Change into Marine Protected Area \(MPA\) Management Plans](#), Vincenzo Corelli (INRS, l'Institut national de la recherche scientifique), 7 July.

Recent webinars (now available for streaming)

- [Advancing OA Actions Across United Nations Frameworks](#), hosted by the OA Alliance, this webinar included speakers from The Ocean Foundation, Ocean and Climate Platform, UNFCCC Secretariat, and PML.
- [Coordination and collaboration on Ocean-based climate actions towards sustainable development](#), features eleven speakers at this Bonn Climate Change Conference side event. Moderated by GOA-ON's Steve Widdecombe.
- [From Pteropods to Oysters: Linking Biological Indicators with Chemical Observations to Understand Impacts of Ocean Acidification in the Mid-Atlantic](#), Amy Maas (BIOS) and Emily Rvest (VIMS)

Selected recent articles from our members

- [The Diel and Seasonal Heterogeneity of Carbonate Chemistry and Dissolved Oxygen in Three Types of Macroalgal Habitats](#), Li, H., Moon, H., Kang, et al, *Frontiers in Marine Science*
- [Natural Analogues in pH Variability and Predictability across the Coastal Pacific Estuaries: Extrapolation of the Increased Oyster Dissolution under Increased pH Amplitude and Low Predictability Related to Ocean Acidification](#), Bednaršek, N., Beck, M.W., et al, *Environmental Science and Technology*
- [Acclimation to low pH does not affect the thermal tolerance of *Arbacia lixula* progeny](#), Foo, S.A., Munari, M., et al, *Biology Letters*
- [Oceanic phytoplankton are a potentially important source of benzenoids to the remote marine atmosphere](#), Rocco, M., Dunne, E., et al, *Communications Earth and Environment*

ECOPs (early career ocean professionals) and outreach happenings

- **Congratulations** to (soon to be Dr) Alexia Saint-Macary, whose PhD thesis was just accepted by the University of Otago: [Dimethylsulfoniopropionate \(DMSP\) and dimethyl sulfide \(DMS\) dynamics in the surface ocean](#).
- There is an open call for applications for [Ocean Practices ECOP Ambassador Programme](#). Deadline **19 June 2022**.
- **Paper:** Lessons from bright-spots for advancing knowledge exchange at the interface of marine science and policy. Read [here](#).

Conferences, events, and workshops

- [4th World Small-Scale Fisheries Congress](#), **20 - 22 June 2022**
- [United Nations Ocean Conference](#), 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](#) (hybrid), Lima, Peru, **13 - 16 September 2022**
- [6th Ocean Practices Workshop](#) (virtual), **5 and 19 October 2022**
- **NZOAC - 15th NZOAC Conference**, Auckland, **November 2022 (TBC)**
- [International Seaweed Symposium](#), Hobart, Tasmania, Australia, **19 - 24 February 2023**

International opportunities

- If you plan to attend the upcoming The Ocean in a High CO₂ World Symposium in Lima, consider attending the free, post-Symposium workshop: [Designing Multiple Driver Experiments](#). Registration deadline **30 June 2022**.
- New Call for [Decade Actions No. 03/2022](#) is now open. Deadline **August 2022**.
- Call for Abstracts! [Frontiers for Young Minds: The Ocean Collection](#). Deadline **31 July 2022**

PhD opportunities

- [PhD Scholarship - tropical pearl oysters](#) at the University of South Australia in Adelaide, SA, Australia. Closes **28 June 2022**.

Jobs

- [Data Engineer](#) with the Cawthron Institute in Nelson, New Zealand. Closes **19 June 2022**.
- [Government Relations Manager](#) with the Australian Institute of Marine Science in Canberra, Australia. Closes **19 June 2022**.
- [Technical Officer - Microbiology/Molecular Biology](#) with the Australian Institute of Marine Science in Townsville, Australia. Closes **19 June 2022**.
- [PMO Data Analyst](#) with the Australian Institute of Marine Science in Townsville, Perth, or Darwin, Australia. Closes **19 June 2022**.
- [Technologist - Environmental Chemistry](#) with the University of Auckland, in Auckland, New Zealand. Closes **21 June 2022**.
- [Biosecurity Officer](#) with the Northland Regional Council in Whangarei, New Zealand. Closes **23 June 2022**.
- [Coastal Hazard Scientist](#) with the National Institute for Water and Atmospheric Research (NIWA) in Hamilton, New Zealand. Closes **26 June 2022**.
- [Research Associate - Ocean-ice Biogeochemistry](#) with the University of Tasmania in Hobart, Tasmania, Australia. Closes **26 June 2022**.

- [Moorings Deck Technician](#) with the National Institute for Water and Atmospheric Research (NIWA) in Wellington, New Zealand. Closes **26 June 2022**.
- [Wave Modeller](#) with the National Institute for Water and Atmospheric Research (NIWA) in Wellington, New Zealand. Closes **26 June 2022**.
- [Aquaculture Technician](#) with the Cawthron Institute in Nelson, New Zealand. Closes **27 June 2022**.
- [Data Engineer](#) with the National Institute for Water and Atmospheric Research (NIWA) in Auckland, Hamilton, Wellington, and Christchurch, New Zealand. Closes **3 July 2022**.
- [Water Quality Catchment Modeller](#) with the National Institute for Water and Atmospheric Research (NIWA) in Hamilton, New Zealand. Closes **3 July 2022**.
- [Senior Aquaculture Technician](#) with the Cawthron Institute in Nelson, New Zealand. Closes **4 July 2022**.
- [Senior Marine Population Dynamicist](#) with CSIRO in Brisbane, QLD, Australia. Closes **5 July 2022**.
- [Lecturer - Physical Oceanography](#) with the Institute for Marine and Antarctic Studies at the University of Tasmania in Hobart, Tasmania, Australia. Closes **20 July 2022**.
- [Senior Aquatic Ecologist](#) with Cardno in Sydney, NSW, Australia.
- [Principal Ecologist](#) with Cardno in Sydney, NSW, Australia.
- [Senior Scientist - Aquatic Engineering](#) with Plant & Food Research in Nelson, New Zealand
- [Marine Surveyor](#) with SGS in Auckland, New Zealand.
- [Principal Ecologist](#) with Cardo in Sydney, NSW and Brisbane, QLD, 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 Policy Analyst](#) with Hays Recruiting in Wellington, New Zealand.
- [Regional Manager](#) with Tangalooma EcoMarines in Northern Queensland, Australia.
- Technical
- [Postdoc - Physical Oceanography](#) with the University of Massachusetts in Dartmouth, MA, USA. Closes **25 October 2022**.
- [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 - 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.

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)

