



NZOAC and PI-TOA January/February 2023 Newsletter

Happy 2023 from the newsletter team. We caught up with many of you at [Waiti Waitā](#), the 2022 New Zealand Marine Science Society's (NZMSS) conference. OA research was well represented at [Waiti Waitā](#), including during NZOAC's *Ocean Acidification* session, where we heard talks on OA science, policy and outreach.

During the conference dinner, NZOAC and PI-TOA member [Dr. Kim Currie](#) (NIWA) was presented with the 2022 NZMSS medal for her OA research and mentoring efforts. Currie's work includes the establishment of the Munida Time Series, which is Southern Hemisphere's longest-running OA time series and is the [index of New Zealand's ocean pH](#).

Ocean acidification in the New Zealand and the Pacific

- Stuff highlighted [NIWA's recent voyage to Antarctica](#) to study the impacts of climate change and OA on the region.
- Last year, SPC's Pacific Community Centre for Ocean Science ([PCCOS](#)) held its first [Ocean Science Retreat](#). This retreat identified pathways to improve the use of data, models and traditional knowledge in ocean science, including OA.
- Fisheries New Zealand's [Review of Sustainability Measures for pāua \(PAU 2\) for 2023/24](#) identifies the susceptibility of coralline algae to OA a threat to pāua food and habitat.
- New Zealand Herald highlighted [Ngāi Tahu's collaboration with scientists](#) to understand the local effects of OA.
- A recent study across the U.S. Pacific Islands demonstrated that [carbonate accretion in coral reefs tracks seawater carbonate](#).
- Researchers at the Palau International Coral Reef Center ([PICRC](#)) received training on how to use their new titrator to [accurately measure seawater alkalinity and better understand OA in the region](#).

Resources

- The OA Alliance's [Report from COP27](#) summaries OA- and ocean-related outcomes and discussions at COP27.
- [Advancing best practices for assessing trends of ocean acidification time series](#) discusses trend analysis techniques to improve comparisons of global OA time series.
- **Webinar:** [Ocean acidification: a crisis in the making](#) will explore how scientists, governments, and business leaders can work together to avoid the worst OA impacts. 2 February 2023
- **Streaming:** GOA-ON's December webinar, [Carbon cycle monitoring in the extreme latitudes, the Southern Ocean and Arctic Ocean](#), Dr. Margaret Ogundare and Dr. Mohamed Ahmed

Selected recent articles from our members

- [Reanalysis shows there is not an extreme decline effect in fish ocean acidification studies](#), Munday, P.L., PLOS Biology
- [Water motion and pH jointly impact the availability of dissolved inorganic carbon to macroalgae](#), James, R.K., Hepburn, C.D., et al., Scientific Reports
- [Factors governing seawater carbonate dynamics in a macroalgal habitat](#), Kim, J.-M., Lee, K., et al., Frontiers in Marine Science
- [Developing a Multiple Driver Research Strategy Using Multiple Environmental Driver Design Lab for Experiments](#), McGraw, C.M., Krieger, E.C., et al., Limnology and Oceanography Bulletin
- [Reproduction, hatchery and culture applications for the giant kelp \(*Macrocystis pyrifera*\): a methodological appraisal](#), Le, D.M., Desmond, M.J., et al., Applied Phycology
- [Fatty acid profiles of more than 470 marine species from the Southern Hemisphere](#), Nichols, P.D., Pethybridge, H.R., et al., Ecology
- [Moving environmental DNA \(eDNA\) technologies from benchtop to the field using passive sampling and PDQeX extraction](#), Jeunen, G.-J., von Ammon, U., et al., Environmental DNA

ECOPs (early career ocean professionals) and outreach happenings

- Are you looking for an intern? Ocean Science student Jenny Thomas (Wellington), who has research and science communication experience, is looking for OA internship opportunities throughout New Zealand. Please [email Jenny](#) directly.
- Nominations are open for the [international scientific Dr Edouard Delcroix Incentive Award](#), deadline **5 February 2023**.
- [Mário Ruivo Memorial Lecture Application](#). The winning applicant will present her/his research at the UNESCO Headquarters in Paris, France, at the 32nd Session of the IOC/UNESCO Assembly (June 2023), deadline **15 February 2023**.
- This [practical guide for successful research expeditions at sea](#) includes tips for those planning their first oceanographic expeditions.

Conferences, events, and workshops

- [Coastal Futures Conferences 2023](#) London, **25 - 26 January 2023**
- [International Seaweed Symposium](#), Hobart, Australia, **19 - 24 February 2023**
- **New Zealand - 11th International Abalone Symposium**, Auckland, New Zealand, **27 February - 2 March 2023**.
- [UN 2023 Water Conference](#), New York, **22-24 March 2023**
- [Symposium on the Effects of Climate Change on the World's Ocean \(ECCWO5\)](#), Norway, **17-21 April 2023**
- **New Zealand, abstract deadline extended - 10th International Crustacean Congress**, Wellington, **22 - 26 May 2023**.
- [Southern Ocean in a Changing World](#) (SOOS inaugural Symposium), Hobart, Australia. **14 - 18 August 2023**

International opportunities

- Contribute to the Synthesis Report of the IPCC Sixth Assessment Report by contacting your [national focal point](#) (Georgia Sharp, Ministry of Environment).
- Connecting people to the ocean: the call for artists for the [2023-2024 EMBracing the Ocean](#) artist-in-residence programme is now open. Deadline **20 February 2023**.
- [2nd Call for EMSO ERIC Physical Access](#) is now open! EMSO offers physical access to their facilities where users' devices can be installed, including sensors, instruments, systems, and new technologies. Users can then test new procedures and carry out experiments. Deadline **28 February 2023**.

Jobs

- [Culture Collection Lab Assistant](#) with Cawthron Institute in Nelson, New Zealand. Closes **24 January 2023**.
- [Chief Scientist - High Performance Computing and Data Science](#) with the National Institute for Water and Atmospheric Research in Wellington, New Zealand. Closes **27 January 2023**.
- [Senior Scientist](#) with the NSW Department of Planning in Sydney, NSW, Australia. Closes **27 January 2023**.
- [Climate Applications Scientist](#) with the National Institute for Water and Atmospheric Research in Wellington, New Zealand. Closes **29 January 2023**.
- [Biodiversity Administrator](#) with the Department of Conservation in Hamilton, New Zealand. Closes **29 January 2023**.
- [Coastal Scientist/Modeller](#) with the National Institute for Water and Atmospheric Research in Hamilton, New Zealand. Closes **30 January 2023**.
- [Seaweed Technician](#) with Sea Forest in Triabunna, Tasmania, Australia. Closes **30 January 2023**.
- [Climate Data Technician](#) with the National Institute for Water and Atmospheric Research in Wellington, New Zealand. Closes **31 January 2023**.
- [Fisheries Scientist](#) with the Department of Regional NSW in Taylors Beach, NSW, Australia. Closes **31 January 2023**.
- [Marine Mammal Observer](#) with MMA Offshore Limited in Perth, WA, Australia. Closes **2 February 2023**.
- [Fisheries Data Manager](#) with the National Institute for Water and Atmospheric Research in Wellington, New Zealand. Closes **3 February 2023**.
- [Research Assistant](#) with Victoria University in Wellington, New Zealand. Closes **5 February 2023**.
- [Project Office - Healthy Rivers to Reef Partnership](#) with Reef Catchments Limited in Mackay, QLD, Australia. Closes **6 February 2023**.
- [Academic Staff - Marine](#) with TOI-OHOMAI in Tauranga, New Zealand. Closes **6 February 2023**.
- [Communications Advisor - Sustainable Seas National Science Challenge](#) with the National Institute for Water and Atmospheric Research in Wellington, New Zealand. Closes **6 February 2023**.
- [Environmental Information Technician](#) with the National Institute for Water and Atmospheric Research in Christchurch, New Zealand. Closes **6 February 2023**.
- [General Manager](#) with the Sydney Institute of Marine Science in Sydney, NSW, Australia. Closes **6 February 2023**.
- [Senior Analyst / Principal Advisor - Primary Sector Policy](#) with the Ministry for Primary Industries in Wellington, New Zealand. Closes **7 February 2023**.
- [Senior Research Officer](#) with the University of Western Australia, in Perth, WA, Australia. Closes **8 February 2023**.
- [Project Coordinator](#) with the National Institute for Water and Atmospheric Research in Hamilton, New Zealand. Closes **12 February 2023**.
- [Research Associate - Southern Ocean Physics and Biogeochemistry](#) with the University of Tasmania in Hobart, TAS, Australia. Closes **19 February 2023**.
- [Research Manager - Sustainable Fisheries](#) with Minderoo Foundation in Perth, WA, Australia. Closes **20 February 2023**.
- [Principal Marine Scientist](#) with RPS Group in Wellington, New Zealand.
- [Marine Engineering & Automation](#) with the Minderoo Foundation 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.
- [Postdoc - Spatial Ecology and Remote Sensing](#) at Deakin University in Melbourne, VIC, Australia. Closes **3 February 2023**.
- [Postdoc - Coral Reef Health Assessment](#) at the University of Queensland in Brisbane, QLD, Australia. Closes **12 February 2023**.
- [Postdoc - Modelling Coastal Dynamics](#) at the Australian Institute of Marine Science in Townsville, QLD, Australia. Closes **16 February 2023**.
- [Postdoc - Marine Mammal Distribution in California Current using eDNA](#) at the University of Washington in Seattle, WA, USA.
- [Postdoc - Remote Sensing and GIS](#) at the College of Earth & Ocean Environment with the University of Delaware in Newark, DE, 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 - 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 (University of Otago), Rebecca Zitoun (GEOMAR), Pierre-Yves Charpentier (SPC), and Jesse Vance (University of Otago)