



NZOAC and PI-TOA September/October Newsletter

This year, the annual NZOAC conference is being replaced with a one-day meeting ([OA Day](#)) on 21 November. OA Day is a chance to reconnect with the OA community and participate in small-group discussions on current topics in OA research. Attendees should [register for OA Day](#) before 1 November.

Formal NZOAC talks will be part of the 2022 New Zealand Marine Science Society Conference ([Waiti Waitā](#)), which starts on 22 November (the day after OA Day). [Early bird registration](#) for the NZMSS conferences closes on 31 October.

Last month, many of our members participated in the Ocean in a High-CO₂ World Symposium, which highlighted consequences of OA and potential responses. Symposium talks will be available [online](#) before the end of the month. However, they will only be available for one week, so we suggest you check the site regularly. For a broad overview of OA community goals for the next 10 years - and how you can get involved - we recommend Stephen Widdicombe's talk on [OARS](#), GOA-ON's UN-Endorsed Ocean Decade Programme.

Ocean acidification in the New Zealand and the Pacific

- StatsNZ's recent [press release](#) highlighted a 8.6% increase in acidity of New Zealand's Subantarctic surface water between 1989 and 2020.
- SPC highlighted the [recent OA monitoring training](#), which was held at USP in collaboration with NIWA and University of Otago.
- A recent [open access review article](#) explores the implications of coral loss due to ocean acidification, warming, and sea level rise on the legal maritime zones of SIDS.
- A Q&A with OA Support Officer [Raymond Schuster](#) highlights SPREP's OA work throughout the Pacific.
- On Friday, Christina McGraw will be speaking about OA, The Decade, and SDG 14.3 at University of Auckland. NZOAC and PI-TOA members are invited to attend this New Zealand Institute of Chemistry event at 11 am in room G20, building 302 (23 Symonds St).

Resources

- GOA-ON's booth at the [COP27 Virtual Ocean Pavilion](#) is open from 29 August - 18 November 2022. Visit the Pavilion to learn about live events and rising visibility for ocean action.
- The Pacific Islands Ocean Observing System ([PacIOOS](#)) provides coastal and ocean information.
- The [OACIS](#) initiative's work to identify ocean-based solutions to OA is briefly summarised in this new [video](#).

Webinars

- Streaming: GOA-ON's August webinar, [Ocean Acidification Monitoring and Scientific Research in the PI-TOA Region](#), highlights PI-TOA research
- Streaming: [Rise of the turfs: the simplification of marine ecosystems under ocean acidification](#), Ben P Harvey (Tsukuba University)

Selected recent articles from our members

- [Thermotolerance of Greenshell™ mussel spat \(Perna canaliculus\) improved by prickly pear \(Opuntia ficus indica\) treatments](#), Ravishankar, S., Ragg, N.L.C., et al., Aquaculture
- [Within-population variability in coral heat tolerance indicates climate adaptation potential](#), Humanes, A., Lachs, L., et al., Proceedings of the Royal Society B: Biological Sciences
- [Effects of seawater temperature and acute Vibrio sp. challenge on the haemolymph immune and metabolic responses of adult mussels \(Perna canaliculus\)](#), Ericson, J.A., Venter, L., et al., Fish and Shellfish Immunology
- [Potential Short-Term Effects of Mine Tailings on Phytoplankton Assemblages in the Open Ocean](#), Choi, D.H., Yoo, J., et al., Journal of Marine Science and Engineering
- [Stability of coral reef islands and associated legal maritime zones in a changing ocean](#), Fellowes, T.E., Anggadi, F., et al., Environmental Research Letters
- [Editorial: Influence of environmental variability on climate change impacts in marine ecosystems](#), Pansch, C., Raatz, M., et al., Frontiers in Marine Science

ECOPs (early career ocean professionals) and outreach happenings

- Congratulations to Jodi Thomas (James Cook University) who recently submitted her PhD thesis: [The neurobiological effects of ocean acidification on a cephalopod!](#)
- **Workshop:** [CE2COAST Winter School](#) “Downscaling Climate and Ocean Change to Coastal Services”, Lisbon (Portugal), **13-17 February 2023**
- **Article:** [“Ten simple rules for getting and giving credit for data”](#) by Wood-Charlson et al. 2022
- **Article:** [“Mental anguish and mistreatment are rampant in marine science”](#) by Gewin 2022
- **Article:** [“Productivity, pressure, and new perspectives: impacts of the COVID-19 pandemic on marine early career research”](#) Schadeberg et al. 2022.

Conferences, events, and workshops

- [6th Ocean Practices Workshop](#) (virtual), **5 - 19 October 2022**
- [4th World Small-Scale Fisheries Congress \(4WSFC\)](#), **24 - 27 October 2022**
- **NZOAC** - [15th NZOAC Conference](#), Auckland, **21 November 2022**
- **New Zealand** - [New Zealand Marine Science Society Conference](#) (hybrid) Auckland, **22 – 24 November 2022**
- [5th International Marine Science Communication Conference](#) (hybrid) France, 30 November – 1 December 2022
- [18th International Meiofauna Conference](#) (online only), **5 - 9 December 2022**
- [Coastal Futures Conferences 2023](#) London, **25 - 26 January 2023**
- [International Seaweed Symposium](#), Hobart, Tasmania, Australia, **19 - 24 February 2023**

- [New Zealand - 11th International Abalone Symposium](#), Auckland, New Zealand, 27 February - 2 March 2023.
- [Symposium on the Effects of Climate Change on the World's Ocean \(ECCWO5\)](#), Norway, **17-21 April 2023**
- [Southern Ocean in a Changing World](#) (SOOS inaugural Symposium), Hobart, Australia. 14-18 August 2023

International opportunities

- Join the new [Ocean Decade Expert Roster](#).
- Call for applications for the [Ocean Decade Strategic Communications Group](#), deadline **15 October 2022**.

Jobs

- [Fisheries Scientist](#) with the National Institute for Water and Atmospheric Research (NIWA) in Auckland, New Zealand. Closes **9 October, 2022**.
- [Fisheries Technical Coordinator](#) with the Department of Regional NSW in Taylors Beach, Newcastle, Maitland and Hunter NSW Australia. Closes **9 October, 2022**.
- [Oceanographer](#) with Cawthron Institute in Nelson, New Zealand. Closes **9 October, 2022**.
- [Pou Arahi - Maori Development Leader](#) with the National Institute for Water and Atmospheric Research (NIWA) in Wellington, New Zealand. Closes **12 October, 2022**.
- [Data Manager for Seabed 2030 Centre](#) with the National Institute for Water and Atmospheric Research (NIWA) in Wellington, New Zealand. Closes **12 October, 2022**.
- [Natural Hazards Risk Scientist](#) with the National Institute for Water and Atmospheric Research (NIWA) in Wellington, New Zealand. Closes **13 October, 2022**.
- [Researcher/Senior Researcher - Environmental Social Science](#) with Manaaki Whenua in Auckland, Hamilton, Palmerston North, Wellington and Christchurch, New Zealand. Closes **16 October 2022**.
- [Climate Applications Scientist](#) with the National Institute for Water and Atmospheric Research (NIWA) in Wellington, New Zealand. Closes **16 October, 2022**.
- [Aquatic Pollution Mitigation Scientist](#) with the National Institute for Water and Atmospheric Research (NIWA) in Hamilton, New Zealand. Closes **16 October, 2022**.
- [Benthic Ecologist - Long-term Monitoring Program](#) with the Australian Institute for Marine Science in Townsville, QLD. Closes **16 October 2022**.
- [Fish Farm Technician](#) with the National Institute for Water and Atmospheric Research (NIWA) in Bream Bay, New Zealand. Closes **19 October, 2022**.
- [Associate/Principal Marine Consultant](#) with SLR in Auckland, Nelson, and 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.
- [Aquaculture Systems Operator](#) with CH4 Global in Arno Bay, Whyalla and Eyre Peninsula, SA, Australia.

- [Research Associate](#) with Curtin University in Perth, WA, Australia. Closes **15 November 2022**.
- [Postdoc - Regional Ocean Modelling for marine ecosystem management applications](#) with the University of Washington in Seattle, WA, USA. Closes **14 October 2022**.
- [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 - 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), Rebecca Zitoun (GEOMAR), Pierre-Yves Charpentier (SPC), and Jesse Vance (Otago)