



NZOAC and PI-TOA Newsletter

Next week the Commonwealth Blue Charter is offering a virtual training course for government officials: [Addressing the impacts of ocean acidification through mitigation, monitoring and policy](#). This course is being offered in partnership with University of Otago, SPREP, NIWA, OA Alliance, SPC, and The Ocean Foundation. [Registration](#) closes tomorrow (18 May).

The Young Pacific Leaders 2022 [Regional Workshop on Marine Sustainability](#) will bring together young leaders interested in contributing to a sustainable and secure Blue Pacific. [Applications](#) close on Monday (23 May).

PI-TOA is looking for a member to join the newsletter team. If you can spare 30 minutes each month to contribute news and ideas, please let us know by replying to this email.

Ocean acidification in the New Zealand and the Pacific

- A new [real-time marine monitoring system](#) at University of Otago's Portobello Marine Laboratory allows the public to view and download temperature, pH, O₂, chlorophyll-a, and salinity data from Otago Harbour.
- [Palau International Coral Reef Center's](#) (PICRC) Ikelau Otto and McQuinnley Mesengei have begun a fellowship in Chris Sabine's lab at University of Hawaii. This opportunity will significantly [expand Palau's capacity to study OA](#).

Acidification, fisheries, and aquaculture

- In [Ocean Futures for the World's Largest Yellowfin Tuna Population Under the Combined Effects of Ocean Warming and Acidification](#), researchers suggest that the combined effects of warming and OA will result in an eastward shift in the distribution of yellowfin tuna. They predict these changes will challenge the global fishing industry and the economies and food systems of Pacific Island Countries.
- In the last instalment of [The Alaska Ocean Acidification Network's](#) Spring Discussion Series, speakers discussed [OA adaptation and mitigation approaches](#).

Resources

- In [Have the oceans become 30% more acidic?](#), BBC's *More or Less: Behind the Stats* podcast discusses OA. Presenters explore the use of the logarithmic scale to describe pH and discuss common misconceptions around the term "ocean acidification".
- As part of their Pacific Conversation Series, SPREP has published a short [Growing our understanding of ocean acidification](#) document that highlights the importance of CO₂ vents as a natural OA laboratory and calls for more Pacific researchers to contribute to OA publications.
- [The Climate in our Hands](#) is a new teaching resource from the Office for Climate Education.

Upcoming webinars

- Interested in learning more about underwater acoustics? Check out DOSITS [four-part webinar series](#) for decision makers. **20 April - 12 October**
- [A High-resolution Ocean Reanalysis of the Northwest Atlantic in Support of the Climate Change Studies and Blue Economy](#), Ruoying He, North Carolina University, **24 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)

- OA Alliance's [Integrating OA Monitoring Across "Mainstream" Climate Policy And Priorities](#) features five speakers, including NZOAC member Kim Currie (NIWA). OA Alliance's [Accounting For OA Across Vulnerability And Risk Assessments](#) is also now available for streaming.
- [Development of Novel pH Glider Technology](#), Liza Wright-Fairbanks, Rutgers University
- [Using Regulatory Data to Inform Marine Spatial Planning Efforts](#), Deirdre Brannigan (ProtectedSeas)
- SPC's [Vaka Moana: Data Visualisation Tools for an Accessible Pacific Ocean](#) is now available online.

Selected recent articles from our members

- [Mangrove macroalgae increase their growth under ocean acidification: A study with Bostrychia \(Rhodophyta\) haplotypes from different biogeographic provinces](#), Borburema, H.D.S., Yokoya, N.S., Soares, L.P., et al, Journal of Experimental Marine Biology and Ecology
- [Seasonal ammonium uptake kinetics of four brown macroalgae: Implications for use in integrated multi-trophic aquaculture](#), Smart, J.N., Schmid, M., Paine, E.R., et al, Journal of Applied Phycology
- [Antibiotic Activity Altered by Competitive Interactions Between Two Coral Reef-Associated Bacteria](#), Mascuch, S.J., Demko, A., Viulu, S., et al, Microbial Ecology
- [Variable \[Mg\] in seawater forces mineralogy change in Spirobranchus cariniferus calcification](#), Dixon-Anderson, I.S., McGraw, C.M., Smith, A.M., Marine Chemistry

ECOPs (early career ocean professionals) and outreach happenings

- **Congratulations** to (Dr) Wayne Dillon, who just graduated from the University of Otago with a PhD "[Advancing analytical approaches for marine calcium carbonate saturation state characterisation](#)".
- There is an open call for applications for [Ocean Practices ECOP Ambassador Programme](#). Deadline **19 June 2022**.
- **Article:** [Time to rethink the scientific CV](#) by Chris Woolston

Conferences, events, and workshops

- [Workshop: Supporting Marine Earth Observation Educators](#) (virtual), **30 May - 17 June 2022**
- [4th World Small-Scale Fisheries Congress](#), **20 - 22 June 2022**
- [United Nations World Oceans Day](#) (virtual), **8 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**
- **NZOAC - 15th NZOAC Conference, November 2022 (TBC)**
- [International Seaweed Symposium](#), Hobart, Tasmania, Australia, **19 - 24 February 2023**

International opportunities

- Call for ship time to access the [Polar Expedition Ship “Le Commandant Charcot”](#) in the Arctic Ocean 2023. Deadline **15 June 2022**
- Call for abstracts for the ocean collection of [Frontiers for Young Minds](#). Deadline **31 July 2022**.

PhD opportunities

- [PhD Scholarship - Quaternary Environmental Change](#) at Griffith University in Brisbane, QLD, Australia.
- [PhD Scholarship - Coastal Water Quality, Coral and Seagrass](#) at James Cook University in Northern QLD, Australia.

Jobs

- [Senior Fisheries Analyst](#) with the Ministry for Primary Industries in Tauranga, New Zealand. Closes **18 May 2022**.
- [Research Technician](#) with the Australian Institute of Marine Science in Perth, WA, Australia. Closes **19 May 2022**.
- [Chief Scientist Liaison Policy Officer](#) with First People Recruitment Solutions in Canberra, ACT, Australia. Closes **19 May 2022**.
- [Senior Analyst](#) with the Ministry for Primary Industries in Nelson, New Zealand. Closes **20 May 2022**.
- [Principal Scientist - Environmental Monitoring](#) with the National Institute for Water and Atmospheric Research (NIWA) in Christchurch, New Zealand. Closes **22 May 2022**.
- [Senior Fisheries Management Officer \(Abalone\)](#) with the Dept. of Natural Resources and Environment Tasmania in Hobart, Tasmania, Australia. Closes **23 May 2022**.
- [Senior Fisheries Management Officer \(Scalefish\)](#) with the Dept. of Natural Resources and Environment Tasmania in Hobart, Tasmania, Australia. Closes **23 May 2022**.
- [Senior Advisor](#) with the Ministry for Primary Industries in Wellington, New Zealand. Closes **23 May 2022**.
- [Water Quality Technician](#) with the National Institute for Water and Atmospheric Research (NIWA) in Hamilton, New Zealand. Closes **29 May 2022**.
- [Research Associate - Water Quality](#) with the University of Technology Sydney (UTS) in Sydney, NSW, Australia. Closes **1 June 2022**.
- [Indigenous Facilitator National Environmental Science Program Marine & Coastal](#) with the University of Tasmania in Hobart, Tasmania, Australia. Closes **3 June 2022**.
- [Senior Kairanghau / Researcher](#) with Manaaki Whenua in Auckland, Hamilton, and Christchurch, New Zealand. Closes **14 June 2022**.
- [Marine Programme Coordinator](#) with Balanggarra Ventures in Broome & Kimberley, WA, Australia.
- [Research Scientist](#) with the Government of South Australia in Adelaide, SA, Australia.
- [Diver](#) with Pacific Marine Group in Northern Queensland, Australia.
- [Senior Aquatic Ecologist](#) with Cardno in Sydney, NSW, Australia.
- [Principal Ecologist](#) with Cardno in Sydney, NSW, Australia.
- [Senior Marine Ecologist](#) with Fortescue Future Industries in Perth, WA, 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.

- [Postdoc - Marine Biogeochemistry](#) with the University of Tasmania in Hobart, Tasmania, Australia. Closes **31 May 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 - 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.

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