



NZOAC and PI-TOA Newsletter – February 2022

The New Zealand Ocean Acidification Community ([NZOAC](#)) is excited to start the new year by working with GOA-ON's [Pacific Islands & Territories Ocean Acidification Network](#) (PI-TOA) to produce a joint newsletter. NZOAC welcomes our Pacific partners and we look forward to expanding the newsletter's OA coverage.

Congratulations to PI-TOA and NZOAC members [Katy Soapi](#) (SPC) and [Aleluia Taise-Uili](#) (University of Victoria Wellington and National University of Samoa), who were recently elected to the [PI-TOA Steering Committee](#). As OA monitoring efforts in the Pacific increase, this Steering Committee works to promote collaboration and communication among members.

Congratulations also to NZOAC member [Di Tracy](#) (NIWA), who received the [Miriam Dell Award for Excellence in Science Mentoring](#) for "outstanding mentoring efforts to retain females in science, mathematics or technology". Di is an advocate for women in the workplace and has been passionate about increasing the number of women on research cruises and in decision-making roles.

Ocean acidification in the New Zealand and the Pacific

- Katy Soapi (SPC) was highlighted in ABC Radio's [Sistas, Let's Talk episode](#) and article on [Pacific Women in Stem](#).
- A Spinoff article discusses OA in [A threat to our identity: The impact of climate change on Māori](#).
- The 6-week [Ocean Acidification in the Pacific Islands](#) online training course kicks off next week (21 February). Over 500 Pacific Islanders will come together virtually to learn more about OA impacts, research, and monitoring. The course is jointly organised by SPC, USP, NOAA, IOC-UNESCO, University of Otago, NIWA, and University of Hawaii.

Acidification, fisheries, and aquaculture

- Nathan Kenny (University of Otago) discusses his work with mana whenua and Cawthron Institute to understand why [some green-lipped mussels are more resilient](#) than others.
- A recent review on [emerging trends in aquaculture and climate change adaptation](#) discusses the need for more research and increased public awareness of the impacts of climate change on aquaculture.

Resources

- A [Best Practice Data Standards for Discrete Chemical Oceanographic Observations](#) has been released. These guidelines aim to improve consistency, facilitate data synthesis, and lead to better interpretation of oceanographic data.
- The [OA Alliance](#) released their 2021 [Progress Report](#), which highlights another exciting year as membership grew to 22 countries and five new governmental [Action Plans](#) were released.

Upcoming webinars

- [Coastal acidification in estuaries: lessons of vulnerability and exposure from the Eastern oyster](#), Emily Rivest, VIMS, **16 February 2022**
- The Mid-Atlantic Fishery Management Council has a series of webinars to support their Climate Change Scenario Planning initiative for fishing communities and fishery managers. A [series of 3 webinars](#) will discuss drivers of change, including OA. **14 February - 2 March 2022**
- [How to use art and design in science](#), Nature Careers webcast, **3 March 2022**
- [Decision-relevant ocean science: the IPCC and other major synthetic reports](#), Sarah Cooley, Climate Science Ocean Conservancy (OAIE 2022 seminar series)

Recent webinars (now available for streaming)

- [A new blue curriculum: A toolkit for policy-makers](#) (UNESCO)
- [Ocean Carbon Dioxide Removal](#), Holly Buck, Nick Pidgeon, and Sarah Cooley
- [The Olympic Coast as a Sentinel – Tribal Communities at the Forefront of Ocean Change](#), Meg Chadsey, Washington Sea Grant (NOAA Ocean Acidification Program)
- Last year's [Hooked on Ocean Acidification](#) series included seminars for recreational anglers, educators, and natural resource managers interested in learning more about OA. Talk themes included [causes and risks of OA](#), [vulnerability of fisheries to OA](#), and [seagrasses and OA](#).
- [Think pink: Investigating the impacts of ocean acidification and warming on larval Oregon pink shrimp](#), Michelle Baotran Nguyen, University of Oregon (Young Scientist Webinar Series)
- [Oregon Shellfish in an Acidified Ocean](#), Steven Rumrill, Oregon Department of Fish and Wildlife
- [Ocean acidification crisis and global warming observations from tropical corals](#), Henry Wu, Leibniz Centre for Tropical Marine Research

Selected recent articles from our members

- **Cover article:** [Understanding coralline algal responses to ocean acidification: Meta-analysis and synthesis](#), Cornwall, C.E., Harvey, B.P., et al, Global Change Biology
- [pH variability at volcanic CO₂ seeps regulates coral calcifying fluid chemistry](#), Comeau, S., Cornwall, C.E., et al, Global Change Biology
- [Examining the effects of chemical cleaning, leaching, and partial dissolution on zinc and cadmium isotope fractionation in marine carbonates](#), Druce, M., Stirling, C.H., et al Chemical Geology
- [Overview of the Great Barrier Reef sea cucumber fishery with focus on vulnerable and endangered species](#), Wolfe, K. and Byrne, M., Biological Conservation
- [The Synergistic Impacts of Anthropogenic Stressors and COVID-19 on Aquaculture: A Current Global Perspective](#), Sarà, G., Mangano, M.C., et al, Reviews in Fisheries Science and Aquaculture
- [An empirical MLR for estimating surface layer DIC and a comparative assessment to other gap-filling techniques for ocean carbon time series](#), Vance, J.M., Currie, K., et al, Biogeosciences

ECOPs (early career ocean professionals) and outreach happenings

- The global ECOP program just launched their [new website](#).
- Applications for a [CLASS Early Career Researcher Fellowship](#) at the National Oceanography Centre (NOC) or the Scottish Association for Marine Science (SAMS) are open. Submit by **22 April 2022**
- The newsletter team thanks PhD student Habibeh Habibeh (University of Otago) for her contributions to the newsletter in 2021. If you are interested in joining [Rebecca Zitoun](#) (GEOMAR) in providing ECOP news and joining the newsletter team, please let us know.

Conferences, events, and workshops

- [Ocean Sciences Meeting 2022](#) (virtual), **27 February - 4 March 2022**
- [2022 Conference for Shellfish Growers](#), **7 - 8 March 2022**
- [Ocean Biogeochemistry: Biogeochemical Processes Across Space and Time \(Gordon Research Conference\)](#), **1 - 6 May 2022**
- [The 8th International Symposium on Gas Transfer at Water Surfaces](#) (hybrid), **17 - 20 May 2022**
- [4th World Small-Scale Fisheries Congress](#), Japan **10 - 13 May** and North America **20 - 22 June 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](#), **13 - 16 September 2022**
- [NZOAC - 15th NZOAC Conference](#), Nelson, New Zealand, **2 - 3 November 2022 (TBC)**

International opportunities

- The European Marine Board's [artist in residence program](#) applications are due **21 February 2022**
- The call for pre-proposal for the Ocean Vision [Ocean Alkalinity Enhancement Research Award](#) closes on **25 February 2022**
- The 2022 Call for [SCOR Working Groups](#) closes on **30 April 2022**

Jobs

- [Scientist - Climate Change & Water Policy](#) with ESR and locations in Auckland, Wellington, Christchurch, New Zealand and remote options. Closes **22 February 2022**.
- [RV Crew Person/Relief Skipper](#) with the University of Otago in Dunedin, New Zealand. Closes **23 February 2022**.
- [Scientist - Marine & Coast](#) with the Hawke's Bay Regional Council in Hawke's Bay, New Zealand. Closes **24 February 2022**.
- [Technical and Laboratory Officer \(Marine Science\)](#) with Southern Cross University in Coffs Harbour & North Coast, Australia. Closes **24 February 2022**.
- [Aquaculture Technical Support Advisor](#) with James Cook University in Northern Queensland, Australia. Closes **27 February 2022**.
- [Indigenous Partnership Coordinator](#) with the Australian Institute of Marine Science in Perth, WA, Australia. Closes **28 February 2022**.
- [National Sea Simulator Research Aquarist](#) with the Australian Institute of Marine Science in Northern Queensland, Australia. Closes **2 March 2022**.
- [Ocean Management Specialist](#) with the Pacific Community (SPC) in Suva, Fiji. Closes **10 March 2022**.
- [Marine & Freshwater Taxonomist](#) with SLR Consulting in Nelson, New Zealand.
- [Associate/Principal - Marine Science Consultant](#) with SLR Consulting in Nelson, New Zealand.
- [Marine & Environment Consultant](#) with RPS in Melbourne, Australia
- [Marine Technician](#) with the Australian NAVY in Hobart, Tasmania, Australia.
- [Postdoc - CICOES Sustainable Shellfish](#) with the University of Washington in Seattle, WA, 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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Cheers,

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