



## NZOAC and PI-TOA Newsletter

The Ocean Foundation has announced a new grant opportunity: [Pacific Islands Collaboration and Learning Grants to Strengthen Ocean Acidification Research Capacity](#) (23 February deadline). Visit the website to learn more about this programme and support available.

The [SOLAS Climate Intervention team](#) is building a global network of ocean experts to develop standards for marine Carbon Dioxide Removal (mCDR) initiatives, with a focus on Monitoring, Reporting, and Verification (MRV). If you are interested in participating or have questions, please contact [Linn Hoffmann](#).

### Ocean acidification in the New Zealand and the Pacific

- [Back to Blue](#), an initiative of Economist Impact and The Nippon Foundation, hosted a wide-ranging OA event: [Ocean acidification: a threat to marine ecosystems and economies in the Commonwealth and beyond](#). The video includes presentations and panel discussions that cover OA and its impacts, international targets and frameworks related to OA, OA action plans, and the Commonwealth Blue Charter's OA Action group's [A Policymakers' Handbook for Addressing the Impacts of Ocean Acidification](#).
- Back to Blue also recently published [Ocean Acidification: Time for Action](#). This report highlights government efforts to address OA and the importance of [OA Action Plans](#) in these efforts.
- NIWA's [Kim Currie](#) and University of Otago's [Linn Hoffmann](#) talk about OA in the new [The Ocean of Tomorrow](#) video series. This series complements them [OA resources](#) for secondary schools developed by University of Otago.
- Each month we'll highlight a different series of webinars from GOA-ON's 2023 OA week. This month check out the [PI-TOA Hub webinar](#), which features Azaria Pickering, Katy Soapi, and Kim Currie (Pacific Island Ocean Acidification Centre); Abby Smith (University of Otago); Cliff Law (NIWA); and Aleluia Taise (National University of Samoa).
- The PI-TOA committee welcomes two new members: Azaria Pickering (Pacific Island Ocean Acidification Centre, Fiji) and Wycliff Tupiti (Office of the Prime Minister and Cabinet, Solomon Islands). Azaria and Wycliff join Aleluia Taise (National University of Samoa), and three ex-officio members: Kim Currie (New Zealand), Katy Soapi (Fiji) and Antoine N'Yeurt (Fiji). Watch this space for news on planned activities for 2024.

### Resources

- Visit the [GOA-ON website](#) to see OA-related activities at COP28, including links to recordings of 10 events.
- COP28 also featured the new collection of art films to support Pacific efforts to drive action on climate change: [Mana Moana Pasifika Voices: Our Call for Climate Action](#)
- In December, the US released the [The United States Ocean Acidification Action Plan](#) and called on other countries to develop their own [Action Plans](#).
- The OA Alliance, Aquarium Conservation Partnership, and NOAA's Ocean Acidification Program have a launched a new programme - [Exploring Our Changing Ocean: Impacts and](#)

[Response to OA](#) - with a focus on storytelling and regionalizing information. You can view the StoryMap collection [here](#).

- The [Inter-American Institute for Global Change](#) is offering a free, self-paced course: [Science Communication for researchers and social actors](#).
- The OA Alliance has released a new [OA Communication Pack](#) to support the efforts of Alliance members to take action on OA.
- The final version of the open-access [Guide to Best Practices in Ocean Alkalinity Enhancement Research](#) is now available.
- **Webinar:** NOAA is hosting [Mud matters: Understanding the role of ocean sediments in storing carbon](#) (16 February)
- **Streaming:** [Ocean Acidification in the National Marine Sanctuary of American Samoa](#), SOARCE webinar series
- **Streaming:** [Ocean Carbon Dioxide Removal: Science, Governance and Policy for safe and transparent implementation](#) at COP28
- **Streaming:** [A Closer Look at Ocean Alkalinity Enhancement](#), Ocean Science Trust

#### Selected recent articles from our members

- [Calcification in the coralline red algae: a synthesis](#), McCoy S.J.; Poeschel C.M.; et al., Phycologia
- [Physiological responses of Caulerpa spp. \(with different dissolved inorganic carbon physiologies\) to ocean acidification](#), Taise A.; Krieger E.; et al., New Zealand Journal of Botany
- [Interactive effects of ocean acidification and water flow on growth and recruitment of early successional coralline algal communities](#), Kluibenschedl A.; Cornwall C.E.; et al., Phycologia
- [Management of saltwater intrusion using 3D numerical modelling: a first for Pacific Island country of Vanuatu](#), Sharan A.; Datta B.; et al., Environmental Monitoring and Assessment
- [Primary production of the kelp \*Lessonia corrugata\* varies with season and water motion: Implications for coastal carbon cycling](#), Nardelli A.E.; Visch W.; et al., Journal of Phycology
- [Risk classification of low-lying coral reef islands and their exposure to climate threats](#), Fellowes T.E.; Vila-Concejo A.; et al., Science of the Total Environment
- [Responses of the New Zealand green-lipped mussel, \*Perna canaliculus\*, to acute environmental changes designed to depress metabolism](#), Cheng M.C.F.; Zamora L.N.; et al., Aquaculture
- [Evidence of nitrate-based nighttime atmospheric nucleation driven by marine microorganisms in the South Pacific](#), Chamba G.; Rissanen M.; et al., Proceedings of the National Academy of Sciences
- [Air-sea carbon dioxide equilibrium: Will it be possible to use seaweeds for carbon removal offsets?](#), Hurd C.L.; Gattuso J.-P.; et al., Journal of Phycology
- [Dual-Lifetime Referencing \(t-DLR\) Optical Fiber Fluorescent pH Sensor for Microenvironments](#), Chen W.-H.; Armstrong E.; et al., Sensors

#### ECOPs (early career ocean professionals) and outreach happenings

- International Climate Protection [Fellowship](#), deadline **1 February 2024**.

#### Conferences, events, and workshops

- [Ocean Sciences](#), New Orleans, USA, **18 - 23 February 2024**
- [2024 UN Ocean Decade Conference](#), Barcelona, Spain, **10 - 12 April 2024**
- [XI SCAR Open Science Conference](#) (Antarctic Science: Crossroads for a New Hope), Pucón, Chile, **19 - 23 August 2024**
- [IMBIZO 7](#) (Transitioning towards sustainable ocean governance by 2030: Commitments and Challenges), Rabat, Morocco, **23 - 26 September 2024**

### International opportunities

- Ifremer (French Research Institute for Exploitation of the Sea) has opened applications for two [at-sea on-board training opportunities](#) for candidates from developing States. Deadline **9 February 2024**
- The Kelp Forest Alliance has just launched the first [Kelp Forest Photo Awards](#). Deadline **14 February 2024**

### Jobs

- [Senior Fisheries Scientist](#) with the Pacific Community (SPC) in Nouméa, New Caledonia. Closes **28 January**.
- [Water Quality Scientist](#) with Seqwater in the Sunshine Coast, QLD. Closes **28 January**.
- [Marine Conservation Officer – Planning](#) or [Whaleshark](#) with the Department of Biodiversity Conservation and Attractions in Kensington, Perth WA. Closes **30/31 January**.
- [Climate Services Scientist](#) with NIWA in Wellington, New Zealand. Closes **4 February**.
- [RRAP Projects Coordinator](#) with the Australian Institute of Marine Science in Townsville, QLD. Closes **11 February**.
- [Program Leader Marine and Coastal Programs](#) with Parks Victoria in Melbourne, VIC. Closes **11 February**.
- [Fisheries Biologist](#) with IPA Personnel in Cairns, QLD.
- [Senior Marine Scientist](#) with RPS in Melbourne, VIC.
- [Fish Specialist](#) with RPS in Melbourne, VIC.
- [Marine Research Equipment Technician](#) with JASCO Applied Sciences in Brisbane, QLD.
- [Phycologist Lab Technician](#) with ALS Life Sciences in Newcastle, NSW.
- [Senior Biosecurity Officer](#) with Primary Industries and Regions SA in Adelaide, SA.
- [PhD - Development and validation of next generation microalgae growth systems for high-value product development from wastewater](#) with the Southern Cross University in Lismore, NSW. Closes **18 February**.
- [PhD - Blue Carbon Footprints and the impacts of sediment resuspension for climate change](#) with the University of Auckland in Auckland, New Zealand. Closes **24 March**.

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 (IMOS), Kim Currie (NIWA), Lea Muetzel (University of Otago)