

# Pacific Islands Ocean Acidification Centre

## Building Monitoring Capacity in the Pacific Region

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# PIOAC

Pacific Islands Ocean Acidification Centre



**PIOAC**

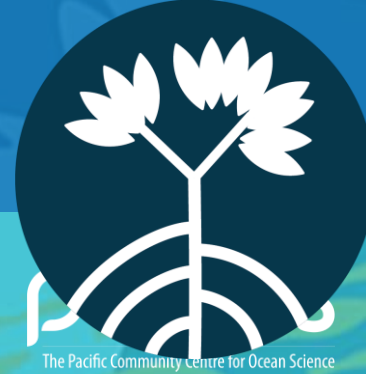
Pacific Islands Ocean Acidification Centre

# Vulnerability to Ocean Acidification

Projected cost per year to the world economy is 1.2 trillion by 2100

For coastal communities (PICTs) - livelihoods, security, health and wellbeing of the people

Need data!





# Pacific Islands and Territories Ocean Acidification (PITOA) Network

14 countries



Pacific Community  
Communauté du Pacifique



Pacific Community  
Communauté du Pacifique



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# OA Research and Monitoring: Challenges and lessons learned

Equipment breakdown  
and difficulty in  
accessing or ordering  
spare parts

Limited support for  
ongoing training needs  
and assistance and  
maintenance of  
equipment

No regional space for  
shared learning and  
experiences

Staff turnover and  
limited capacity

QC on data,  
management and  
submission (ongoing  
issue)

Lack of funding for  
ongoing monitoring,  
staff and equipment  
replacement





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# Pacific Islands Ocean Acidification Centre (PIOAC)

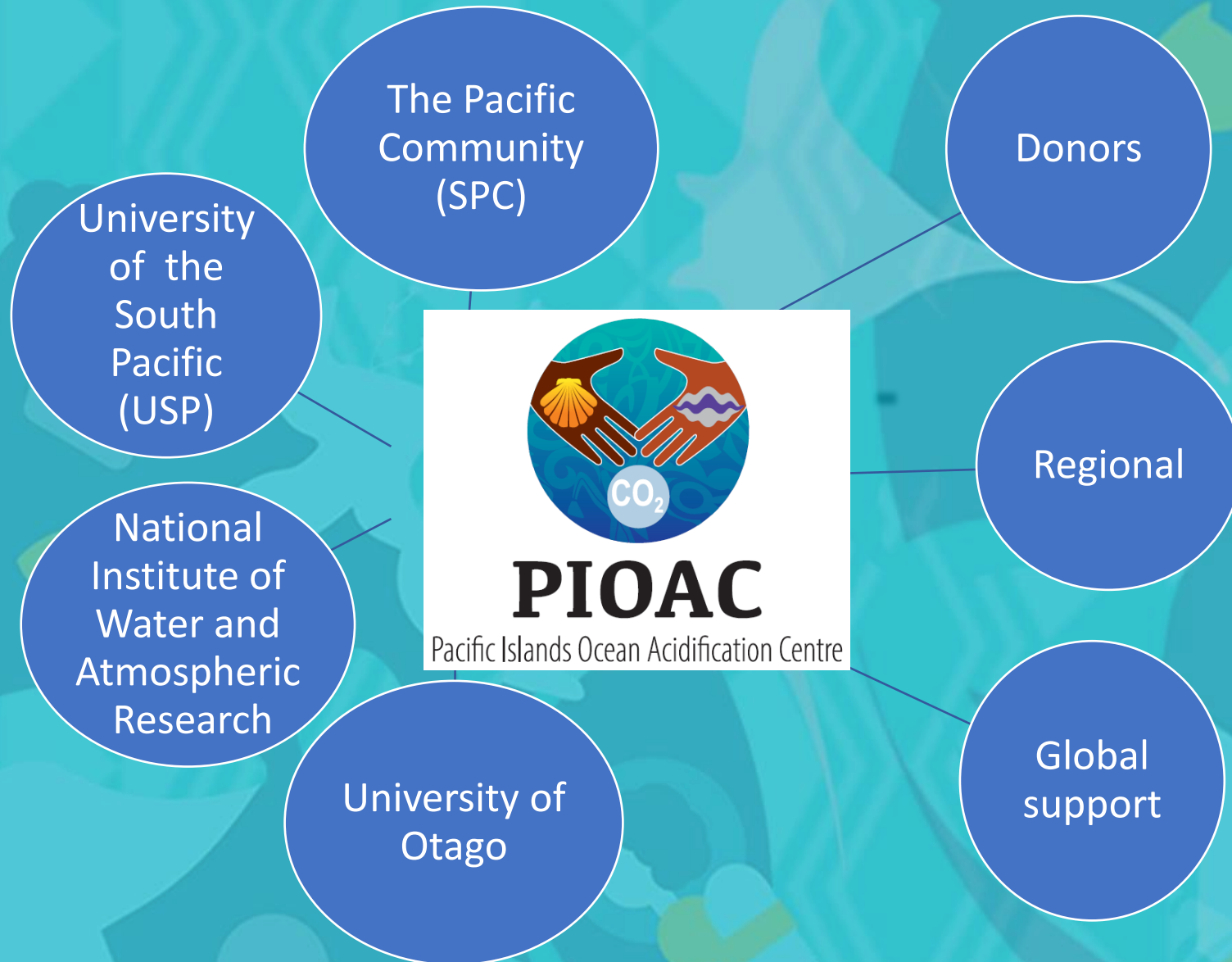
Established in 2021, a combined international and localized effort to:

- House, maintain and distribute research equipment tailored to regional needs
- Host regional training activities in order to develop monitoring expertise
- Support new and ongoing OA monitoring activities,
- Ensure regional OA data are accessible
- Provide training support and technical assistance through an international community of practice.



**pcc**  
The Pacific Community Centre

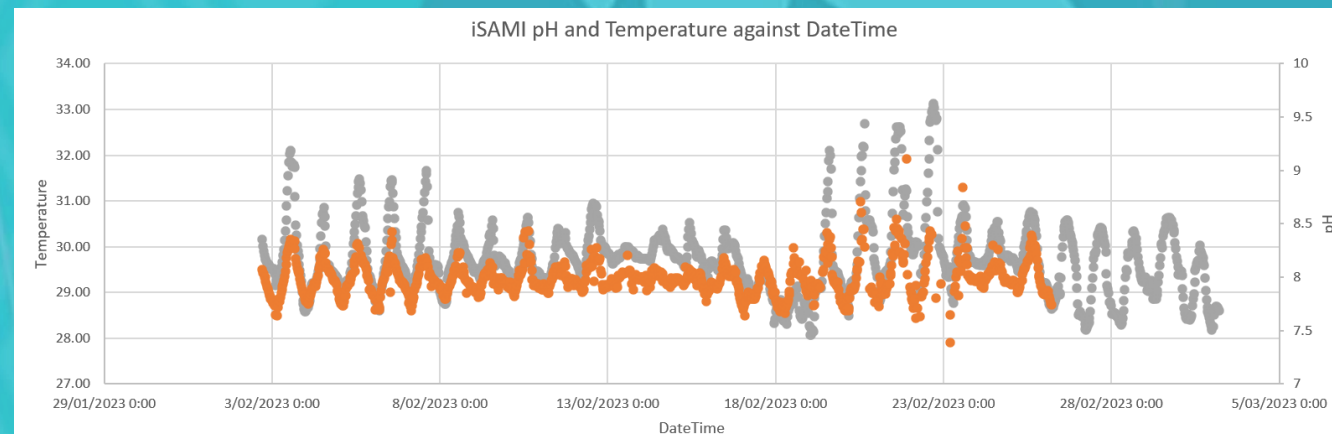
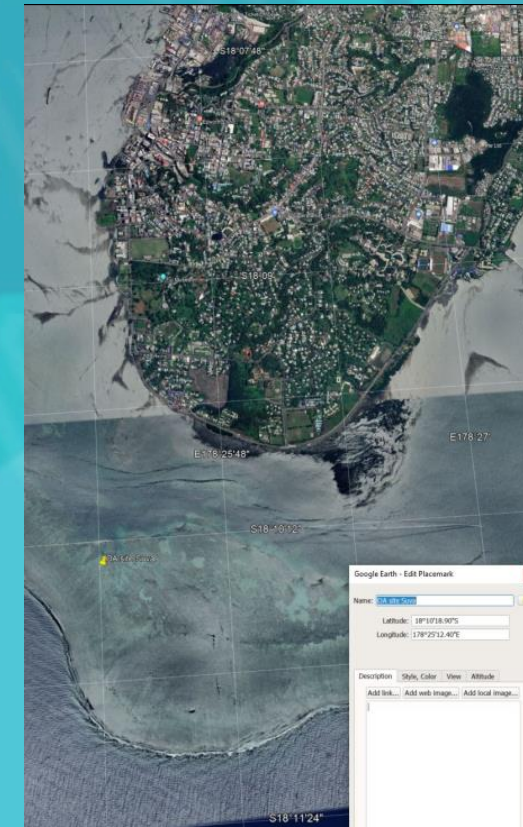
# Strength in partnership, collaboration and community



- NOAA
- The Ocean Foundation
- Pacific Islands and Territories Ocean Acidification (PITOA) Hub
- Global Ocean acidification Observing network (GOA-ON),
- Ocean Acidification Research and Sustainability (OARS)
- UN Decade of Ocean Science

# Activities to date

- 4 Regional training courses held (online and face-to-face training)
- 19 Pacific Island Scientists from nine Pacific Islands countries were given hands-on training
- Awarded GOA-ON in a Box kits (9 kits in the regions with more new kits to be awarded)
- Started Suva OA Monitoring program
- Regional Talanoa Session
- Participated in a number of International meetings, conferences, symposiums





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# Looking forward.....

## PIOAC plans to expand to further meet the needs of Pacific OA scientists and stakeholders



Seek funding for the sustainability of PIOAC (OA a priority but no funding)



Expansion of monitoring and research activities including to biological parameters



Increase collaboration with other organisations with an OA interest in the Pacific



PIOAC Peer mentoring support



Support PICT and Suva Notch Monitoring Program





Ruler

Line Path Polygon Circle 3D path 3D polygon

Measure the distance between multiple points on the ground

Length: 5.00 Kilometers

Show Elevation Profile

Mouse Navigation

Save Clear

Google Earth