

Pacific Partnership on Ocean Acidification (PPOA)

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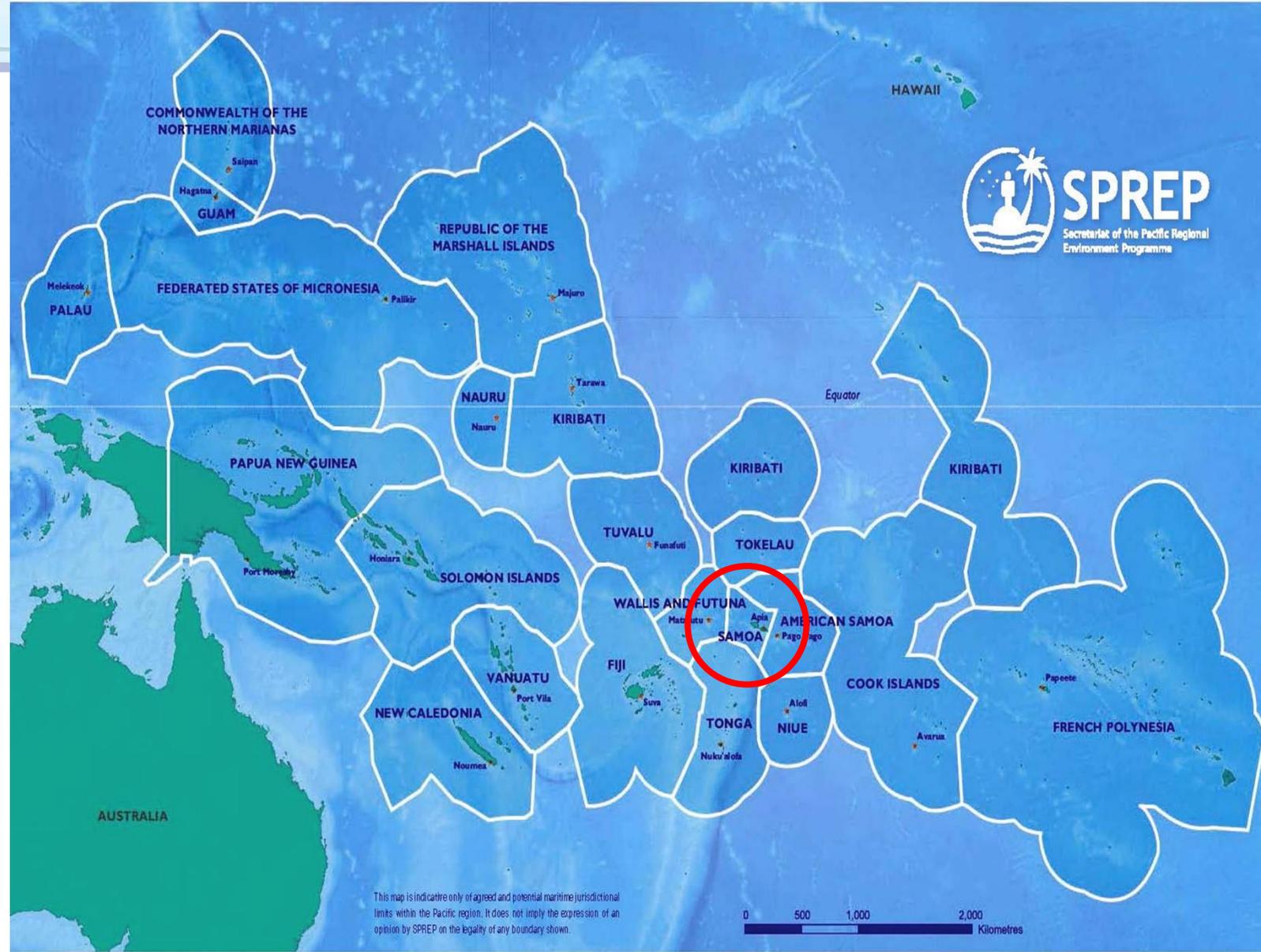
Intergovernmental org.
for protection of Pacific
islands environment

HQ: Apia, Samoa

**21 Pacific Island
Countries & Territories**

+

5 Metropolitan Members:
Aus., Fr., NZ, UK, USA



Background

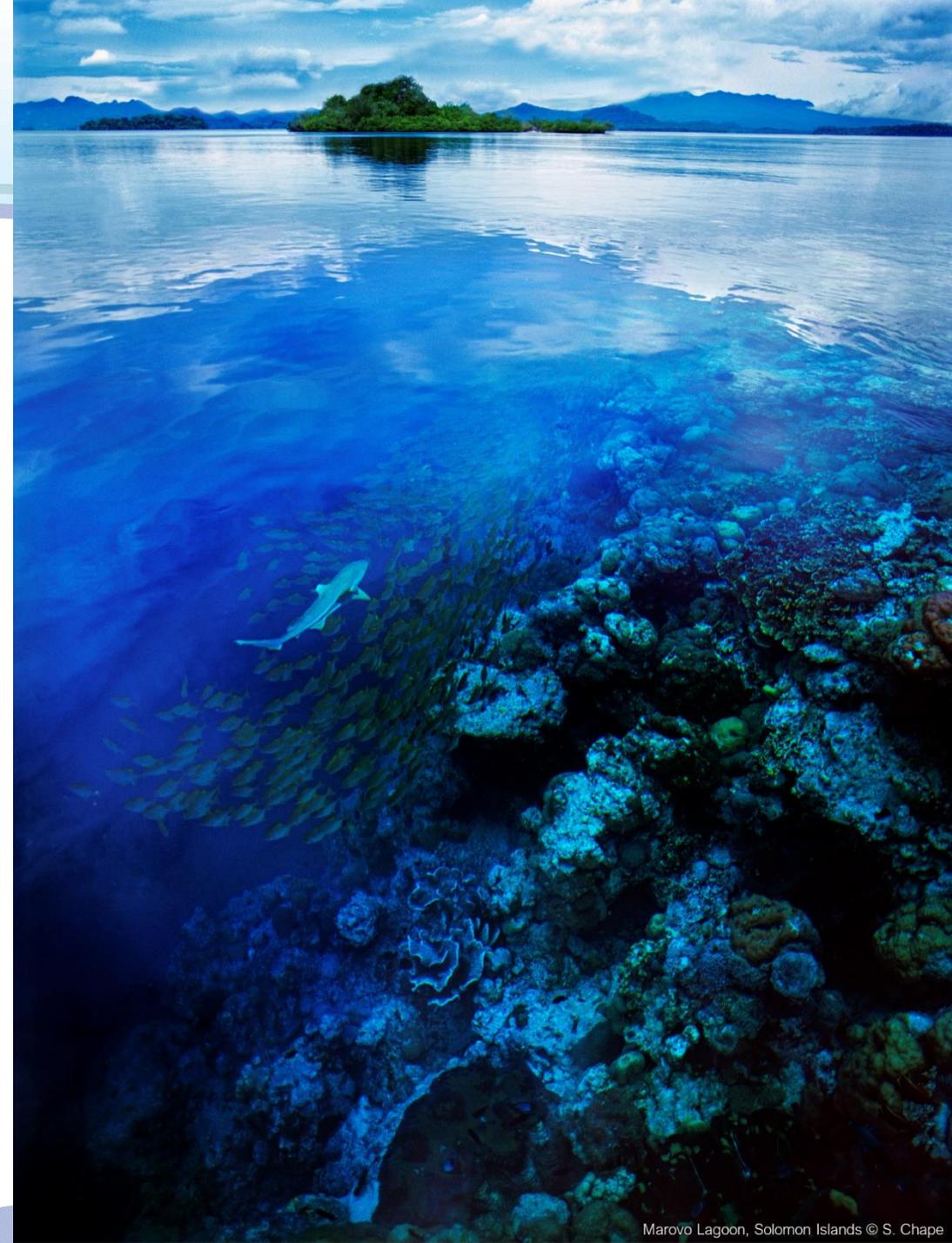
The 3rd UN SIDS Conference:

- **Identified need for:**

- Monitoring Ocean Acidification
- Building capacity & resilience
- Implementing adaptation strategies



UN Conference on
Small Island
Developing States
Apia, Samoa | 2014



Partnership

NZ Pacific Partnership on Ocean Acidification:

- Collaborative effort between:



- Financial support from:



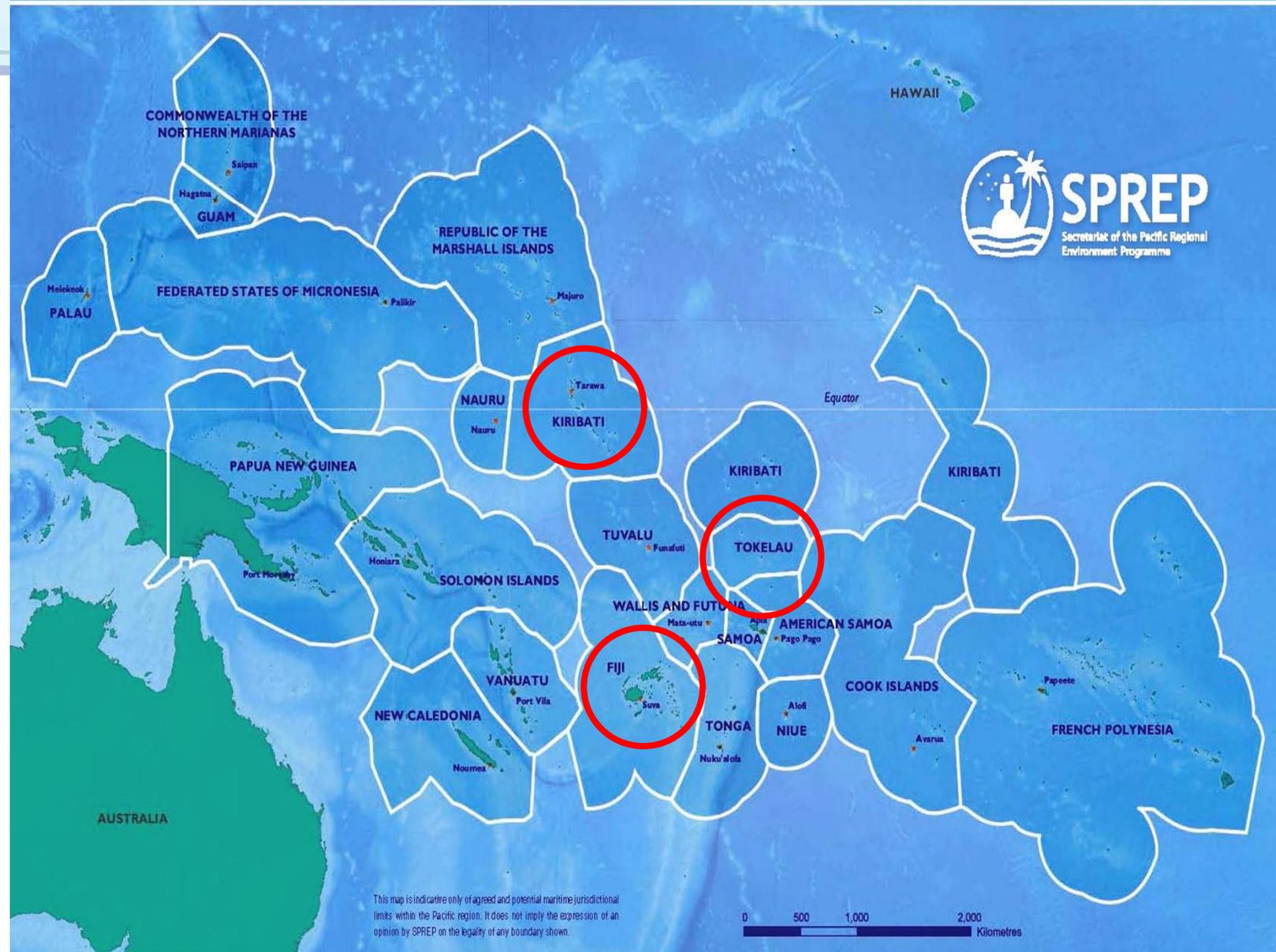


Design

Focus Areas:

1. Research and Monitoring
2. Capacity Building
3. Policy Support
4. Adaptation Actions

Pilot Sites: Fiji, Kiribati, Tokelau

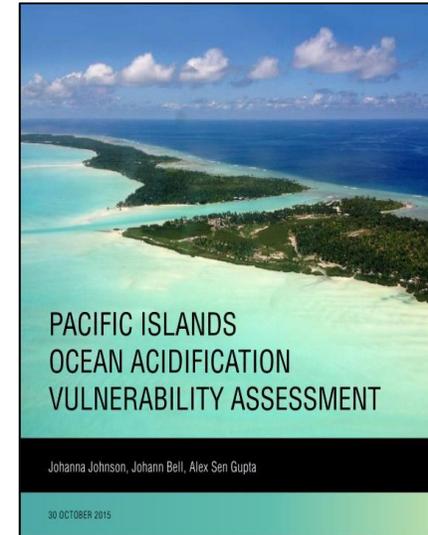


Regional OA Vulnerability Assessment:

- <http://www.sprep.org/attachments/Publications/CC/ocean-acidification.pdf>

Vulnerability Assessment of Pelagic Fisheries

- <https://www.wcpfc.int/node/29559>



PhD Scholarship with



- Student from PNG researching coral restoration & coral resilience to OA



Building capacity of Pacific Islanders to monitor and report **ocean acidification** data

Partnered with TOF to provide equipment & training to 8 Pacific island nations to monitor OA & report data to **SDG Indicator 14.3.1:**

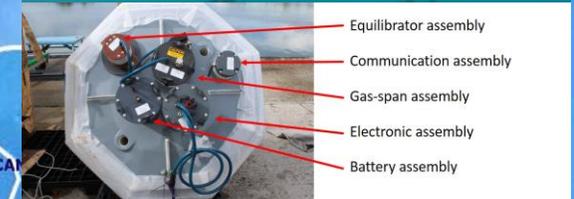
*Average **marine acidity (pH)** measured at agreed suite of representative sampling stations*



Pacific Island Countries Ocean Acidification Observation and Response Network

KIOST + SPREP
 establishing OA monitoring
 (MAPCO2) buoys in:

- Palau
- FSM (Chuuk)
- Samoa



Adaptation

Stakeholder consultations to plan adaptation actions

Taveuni, Fiji



Nanikai, Kiribati



Tokelau



Enhancing Primary Producers to Locally Buffer pH

Mangroves



Photo: USP



Photo: USP



Photo: TNC

Seagrass



Photo: malamamaunalua

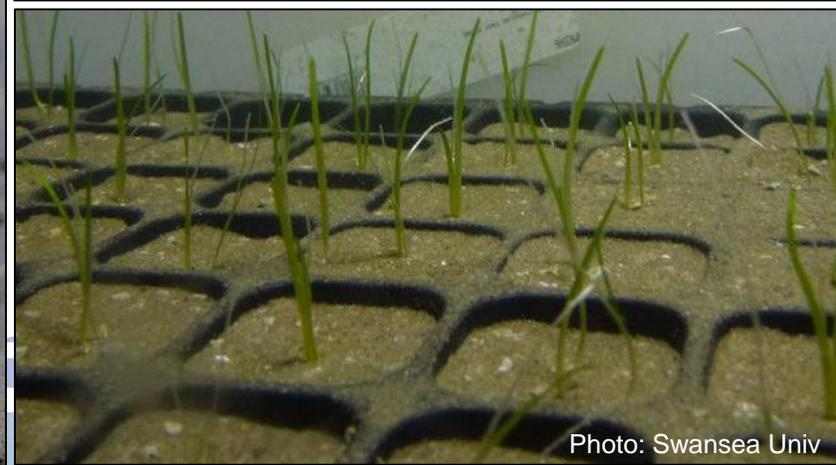


Photo: Swansea Univ

Coral Restoration to Enhance Reef Resilience

In situ Nursery

Ex situ Culture



Reducing Reef Stressors: Locally Managed Marine Areas (LMMA)

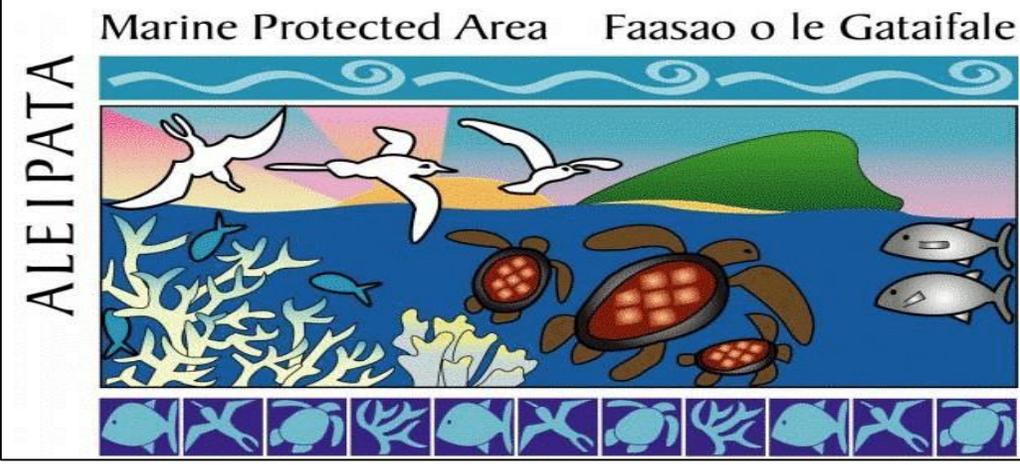
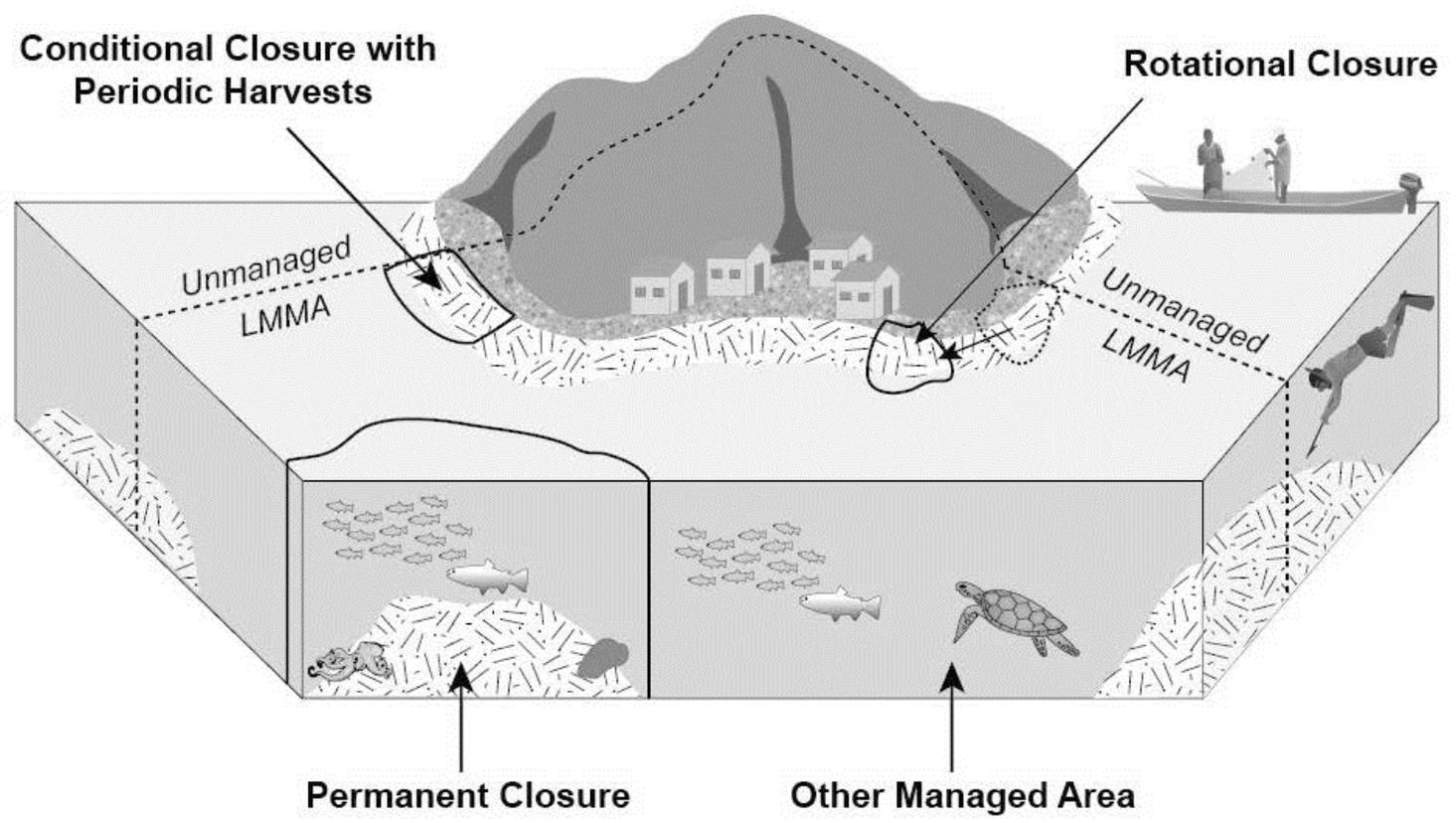


Fig: Jupiter et al 2014

Reducing Reef Fishing Pressure: Alternative Livelihood: Aquaculture



Photo: World Fish



Photo: www.farmingmethod.com



Photo: World Fish



Photo: www.farmingmethod.com



Photo: World Fish



Photo: World Fish

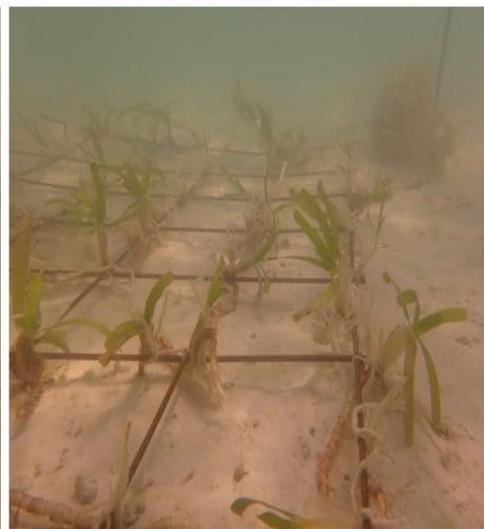
Stakeholder-Determined Priorities:

- Mangrove Restoration
- LMMA Development
- Alternative Livelihood

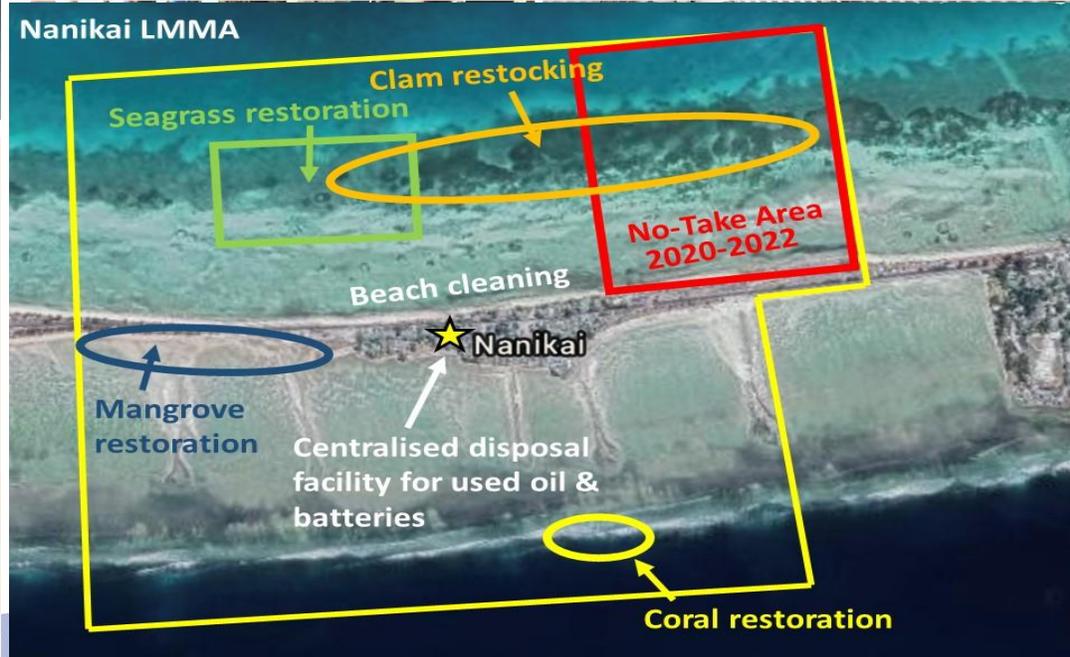
Partners:



Seagrass Restoration



LMMA Development



Mainstreaming Ocean Acidification into National Policies: A Handbook for Pacific Islands

Download (pdf):

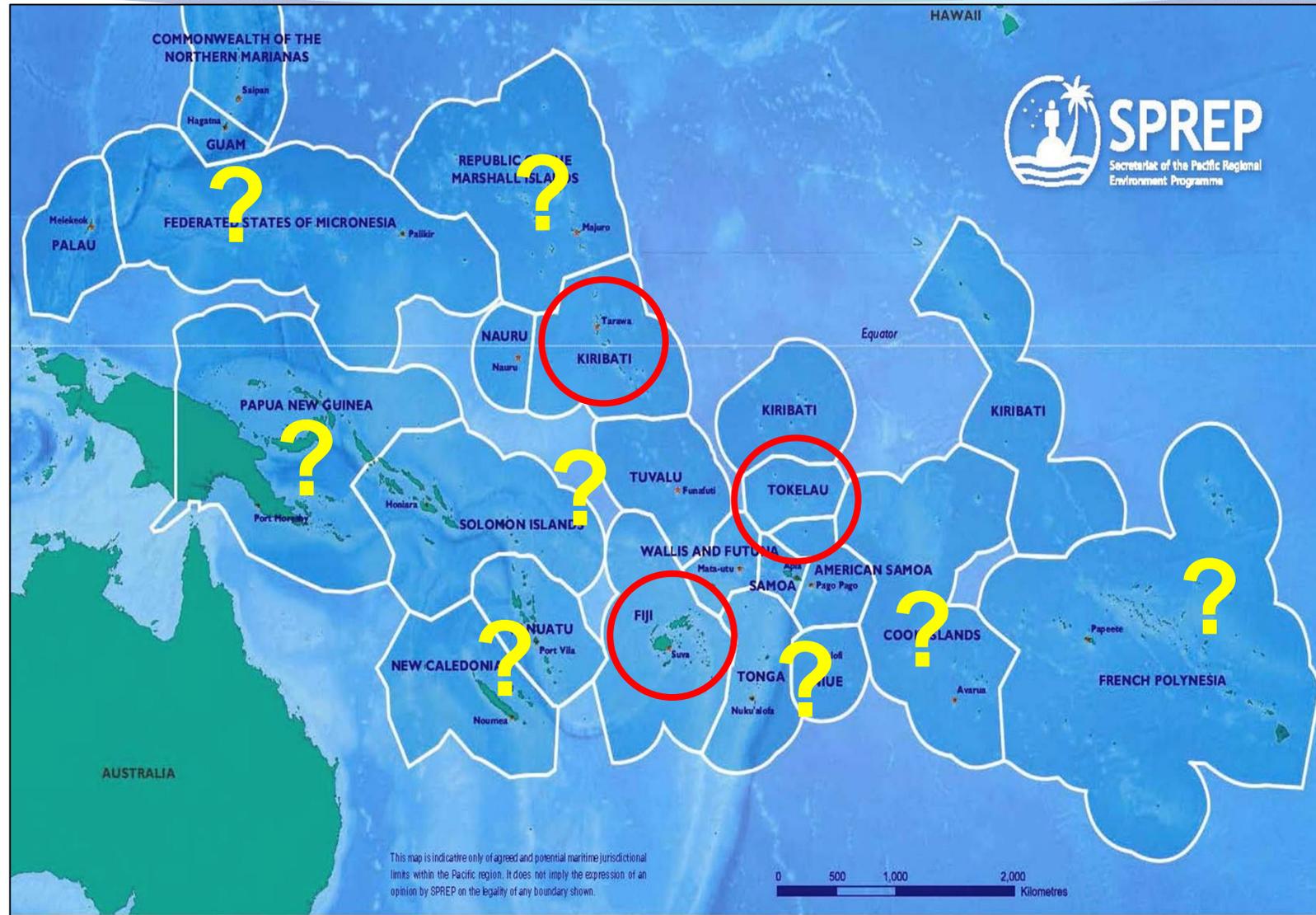
<https://www.sprep.org/publications/mainstreaming-ocean-acidification-into-national-policies-a-handbook-for-pacific-islands>

**MAINSTREAMING
OCEAN ACIDIFICATION
INTO NATIONAL POLICIES
A HANDBOOK FOR PACIFIC ISLANDS**

Next Steps: PPOA Project

Seek Additional Support

Expand Project to Other Pacific Island Sites



Muchas Gracias Fa'afetai Lava Thank You!



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