

# LEVERAGING GEOSPATIAL TECHNOLOGY FOR IMPROVED PROTECTED AREA (PA) MANAGEMENT AND AWARENESS THROUGH REGIONAL PLATFORMS SUCH AS PACIFIC ISLANDS PROTECTED AREA PORTALS (PIPAP)

THEME: “SUSTAINABLE MANAGEMENT FOR COASTAL AREAS THROUGH  
REMOTE SENSING AND GIS”

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**PRESENTER**

**KASAQA TORA- SASPA, SPREP**

# Global and Regional Context



Kunming-Montreal  
**GLOBAL BIODIVERSITY FRAMEWORK**

## 2030 Targets Quick Access

Target 1

Target 2

Target 3

Target 4

Target 5

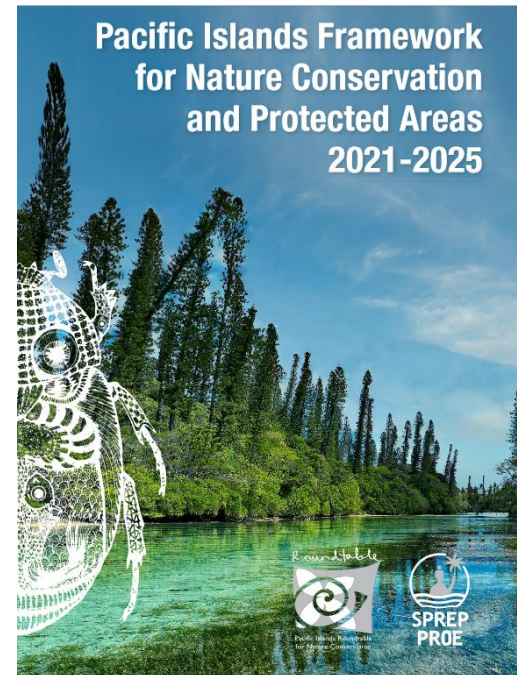
Target 6

Target 7

Target 8

**Conserve 30% of Land,  
Waters and Sea by 2030.**

23 action-oriented global targets for urgent action over the decade to 2030



# TARGET 3

- Ensure and enable that by 2030 at least 30 per cent of terrestrial and inland water areas, and of marine and coastal areas, especially areas of particular importance for biodiversity and ecosystem functions and services, are effectively conserved and managed through ecologically representative, well-connected and equitably governed systems of protected areas and other effective area-based conservation measures, recognizing indigenous and traditional territories, where applicable, and integrated into wider landscapes, seascapes and the ocean, while ensuring that any sustainable use, where appropriate in such areas, is fully consistent with conservation outcomes, recognizing and respecting the rights of indigenous peoples and local communities, including over their traditional territories.

# MANDATE & VISION

## Mandate

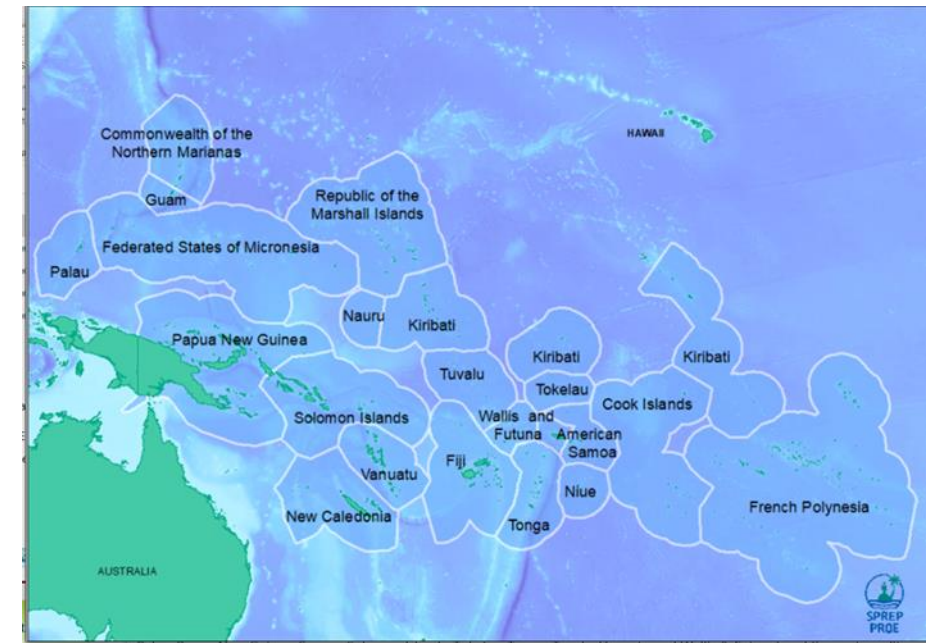
- To **promote cooperation** and provided assistance **to protect and improve its environment**, and to ensure **sustainable development for present and future generations**.

## Vision

- “A resilient Pacific environment, sustaining our livelihoods and natural heritage in harmony with our cultures”

## Members

- 21 Pacific island member countries and territories
- 14 Pacific Island Countries. and 7 territories.



# WHAT ARE PROTECTED AREAS?

"A geographically defined area, which is designated or regulated and managed to achieve specific conservation objectives."

Article 2 of the Convention on Biological Diversity (CBD) defines protected areas



# FUNCTIONS OF PROTECTED AREAS

Carbon storage



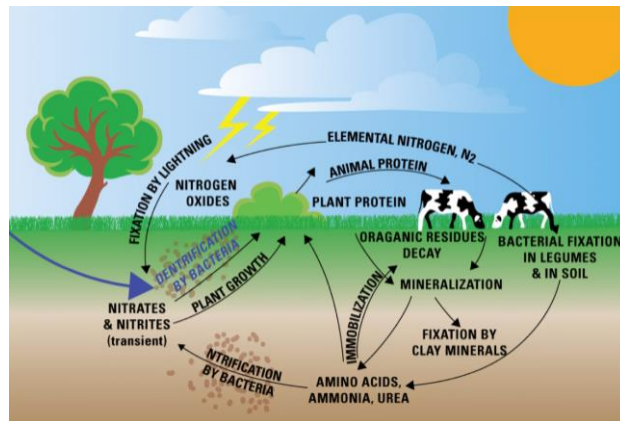
Watershed protections & Water supply



Habitat for marine species



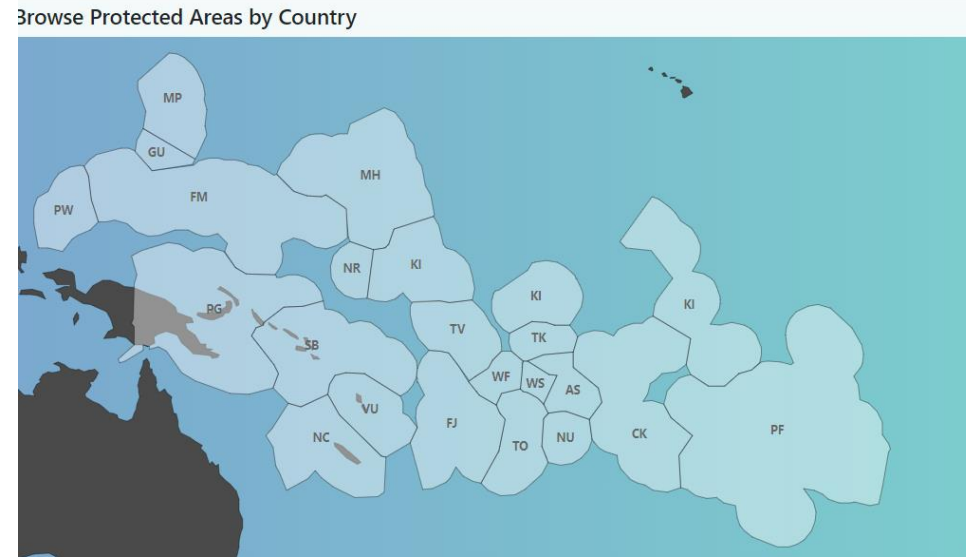
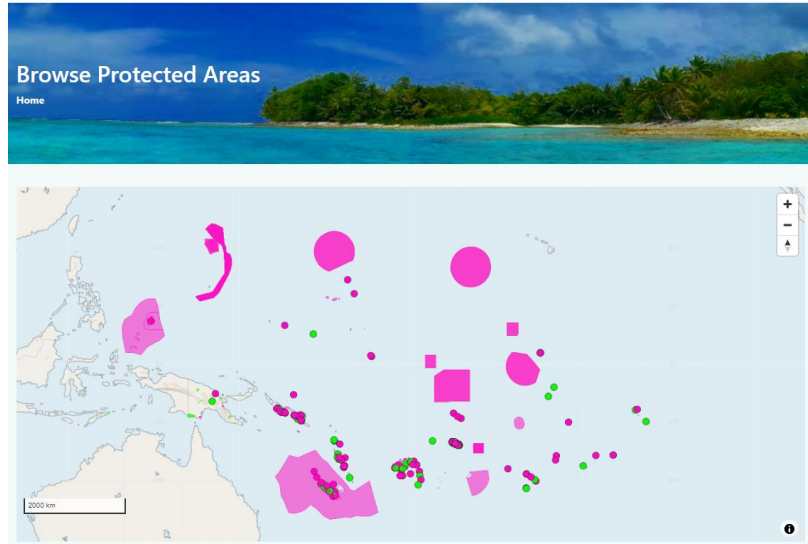
Nutrients recycle



Flood Controls



# OVERVIEW OF THE PACIFIC PA



## Pacific Dashboard

863 Protected Areas

4773202.53 km<sup>2</sup>

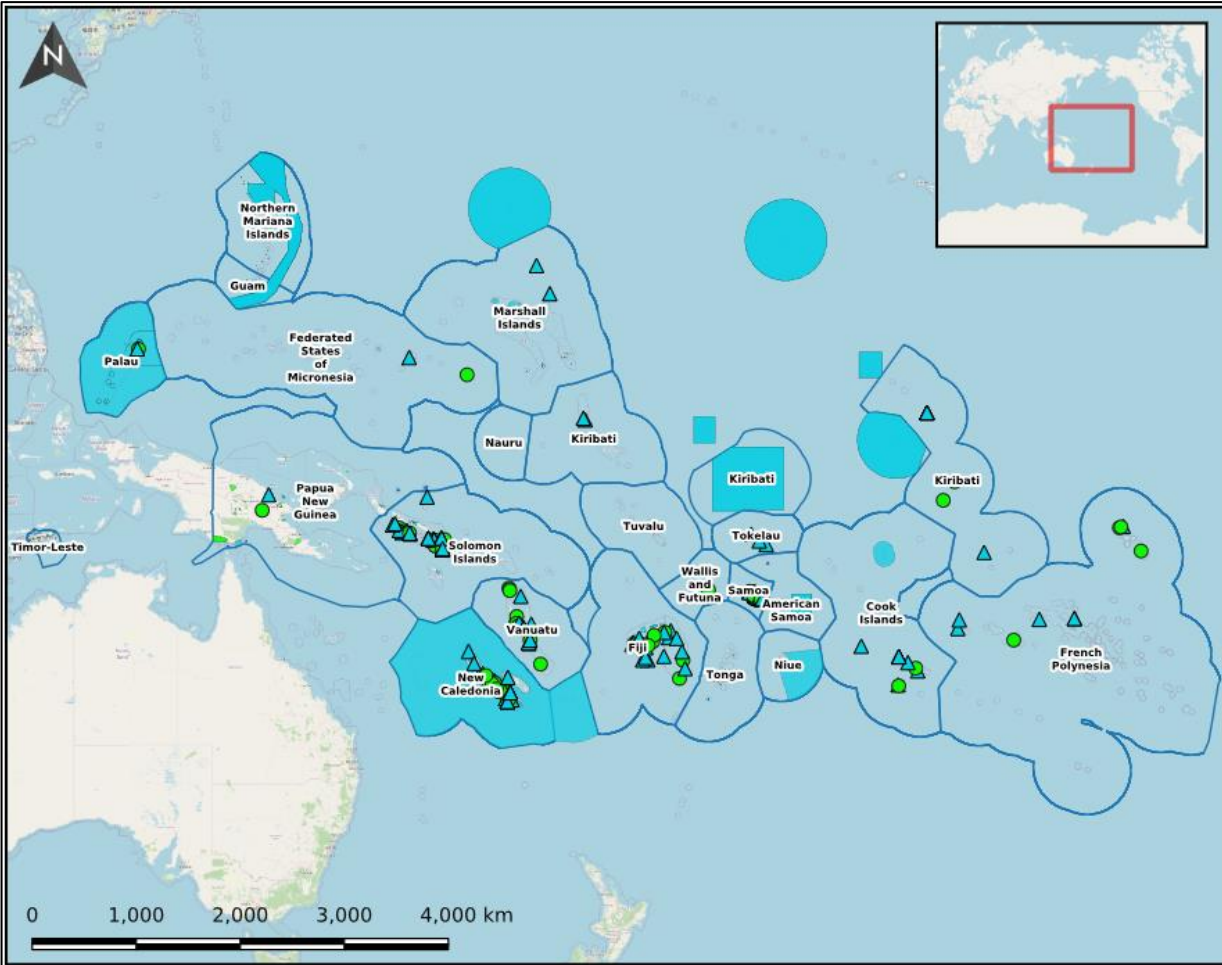
313 Terrestrial

33425.71 km<sup>2</sup>

550 Marine

4739776.82 km<sup>2</sup>

# PACIFIC ISLANDS PROTECTED AREA MAP



**Pacific Islands Region**

**Total Area of EEZ:**  
27,111,516 sq. km

**Total Area Protected (Mapped):**  
8,517,902 sq. km

**Marine Protected Areas: 555**  
Designated: 486  
Established: 50  
Proposed: 14

**Terrestrial Protected Areas: 306**  
Designated: 284  
Established: 12  
Proposed: 3

**International Designations: 20**

Designated are recognized or dedicated through legal means. Established are recognized or dedicated through other effective means. Proposed is in a process to gain recognition or dedication through legal or other effective means.

- ▲ Marine Protected Areas
- Terrestrial Protected Areas
- Marine Protected Areas
- Terrestrial Protected Areas
- Exclusive Economic Zones

Project: Pacific Islands Protected Areas  
Pacific Islands Protected Area Portal  
Scale: 1:53,495,593  
Date Accessed: 2024-06-05  
For more information please visit:  
<https://pipap.sprep.org>

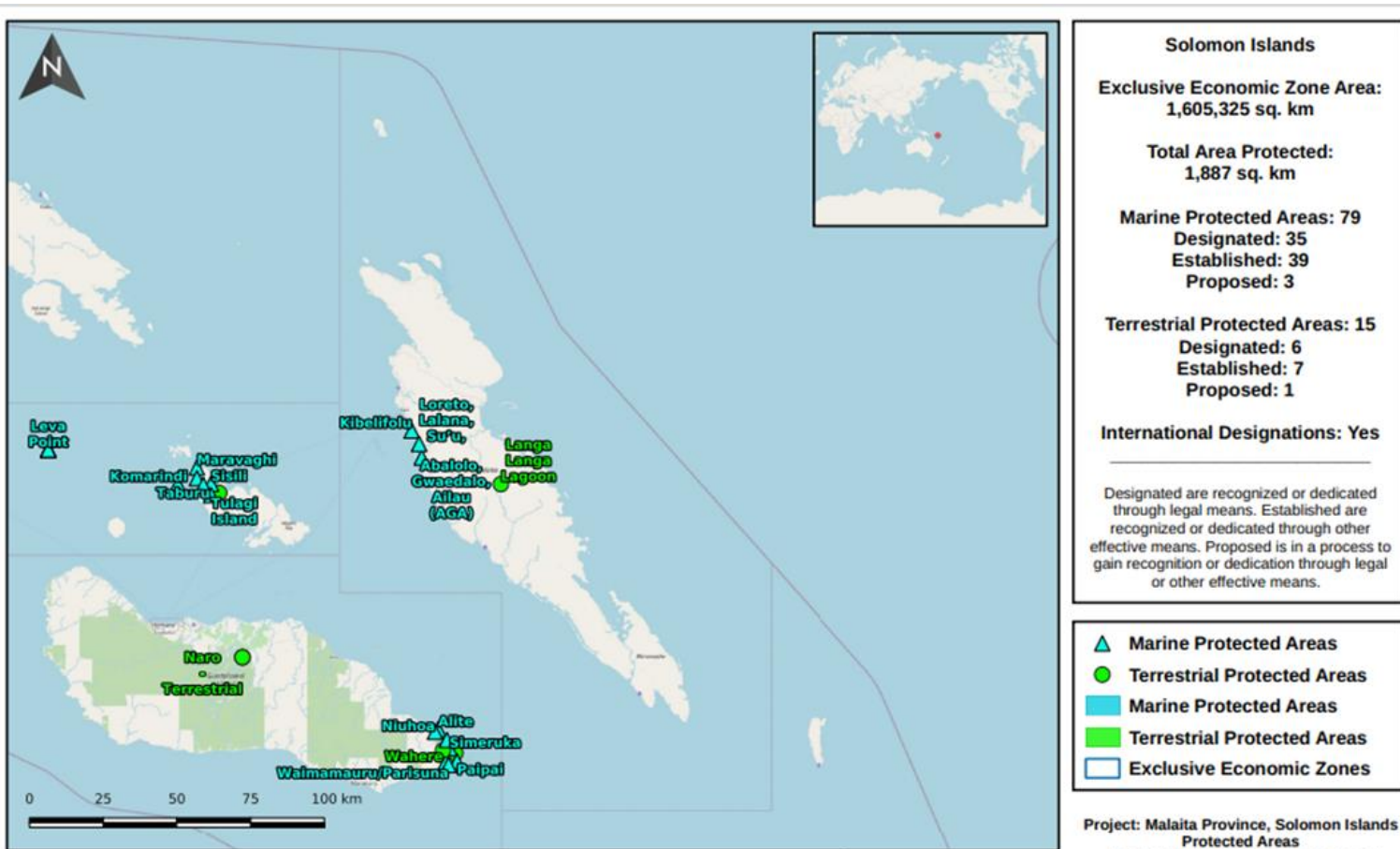


Data Disclaimer: Protected areas data was derived from the World Database on Protected Areas (WDPA) dataset (source: [www.protectedplanet.net](http://www.protectedplanet.net)). Exclusive Economic Zone data was derived from Flanders Marine Institute (2019). Maritime Boundaries Geodatabase: Maritime Boundaries and Exclusive Economic Zones (200NM), version 11. Available online at <http://www.maritime-geo.com>





# NATIONAL PROTECTED AREA MAP



**Solomon Islands**

**Exclusive Economic Zone Area:**  
1,605,325 sq. km

**Total Area Protected:**  
1,887 sq. km

**Marine Protected Areas: 79**  
Designated: 35  
Established: 39  
Proposed: 3

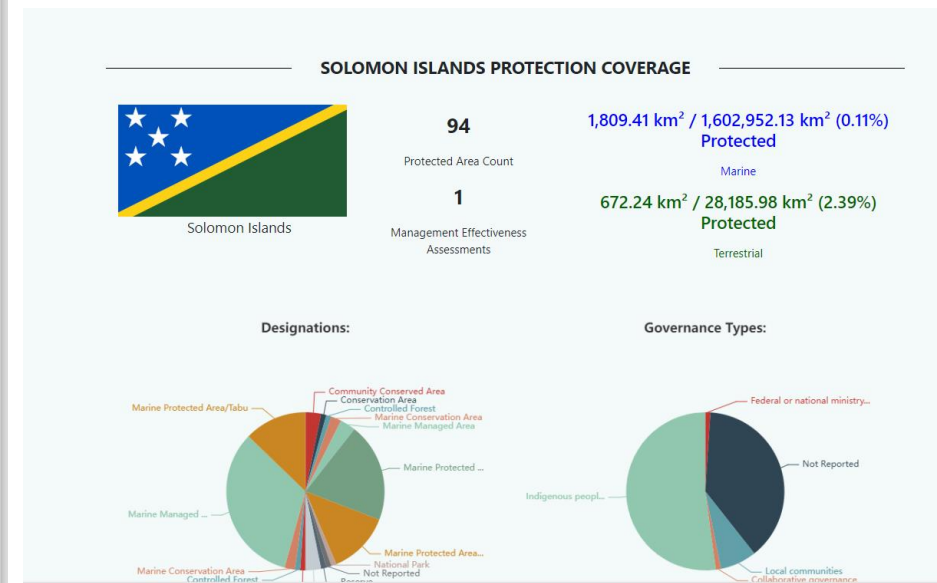
**Terrestrial Protected Areas: 15**  
Designated: 6  
Established: 7  
Proposed: 1

**International Designations: Yes**

Designated are recognized or dedicated through legal means. Established are recognized or dedicated through other effective means. Proposed is in a process to gain recognition or dedication through legal or other effective means.

- ▲ Marine Protected Areas
- Terrestrial Protected Areas
- Marine Protected Areas
- Terrestrial Protected Areas
- Exclusive Economic Zones

Project: Malaita Province, Solomon Islands Protected Areas  
Pacific Islands Protected Area Portal  
Scale: 1:1,655,091  
Date Accessed: 2023-11-03  
For more information please visit:  
<https://pipap.sprep.org/country/sb>



From Knowledge to Action for a Protected Planet

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# Threats to Protected Areas

- Climate change impacts, including rising sea levels and coral bleaching.
- Overfishing, deforestation, and habitat destruction.
- Limited resources and enforcement for management.
- Balancing development needs with conservation.



# CONCLUSIONS

**Marine protected areas (MPAs) are a key tool for sustainably managing coastal resources by**

- **Protecting Ecosystems** - Protect ocean areas by regulating or prohibiting threats like fishing, oil and mineral extraction, and dredging.
- **Providing economic benefits**- MPAs can support sustainable use of natural resources and tourism incomes
- **Supporting the Sustainable Development Goals (SDG)** - Supporting many of the 17 Sustainable Development Goals of the 2030 Agenda for Sustainable Development, including reducing poverty, improving food security, and tackling impacts of climate change.

**Other ways to sustainably manage coastal resources are:**

- Expanding protected areas
- Increasing funding commitment
- Intensifying research capacity
- Addressing socioeconomic needs of coastal communities
- Promoting public awareness and education





**VINAKA VAKALEVU!  
FA'AFETAI LAVA!  
THANK YOU !**

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