

# Regional Seas Pacific Ocean Indicator Initiatives:

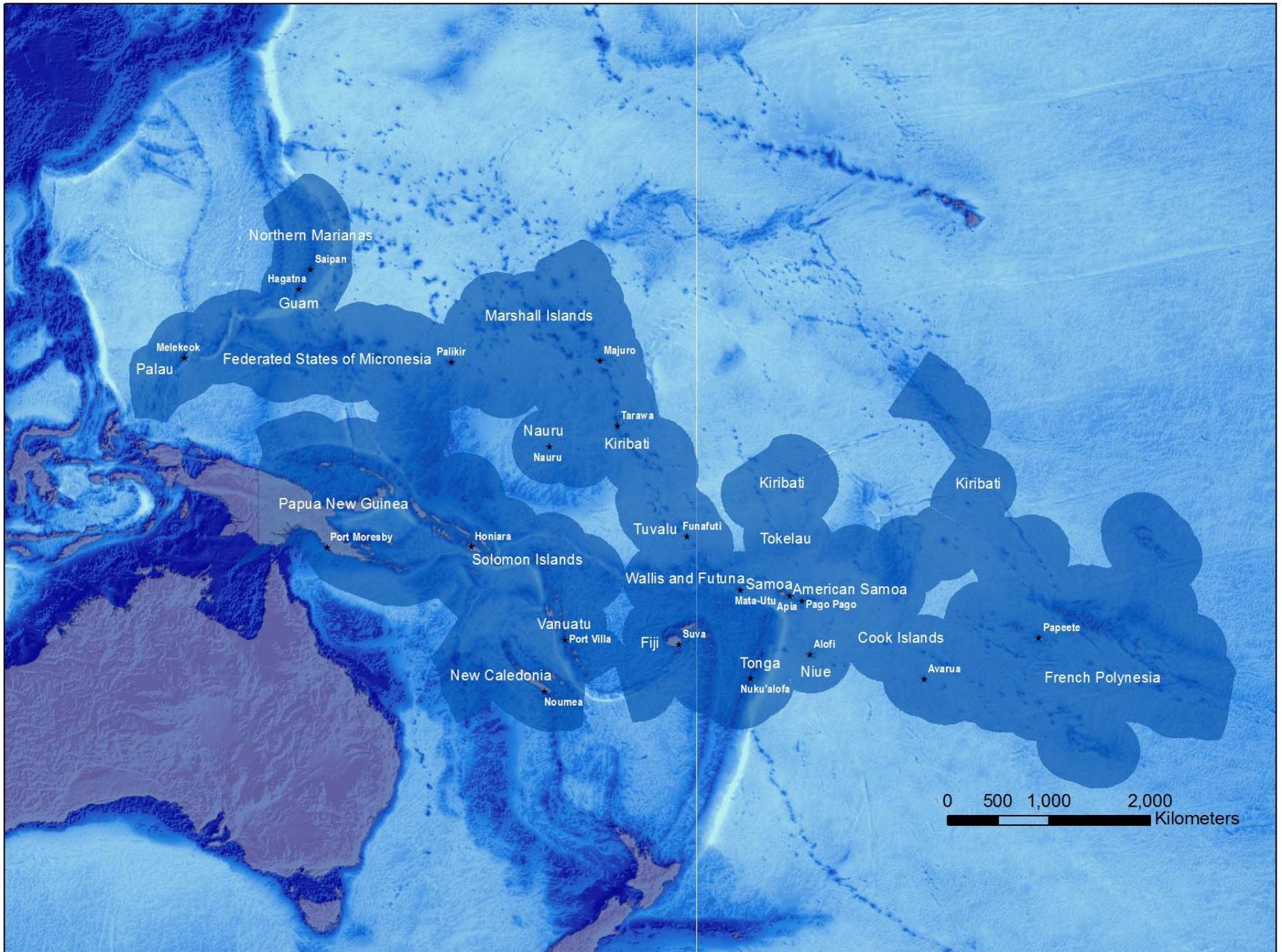
Paul Anderson

Environmental Monitoring and Reporting Analyst

Secretariat of the Pacific Regional Environment Programme









# Multiple challenges require an integrated solution

Unsustainable land use

Pollution and Waste

Climate Change



Coastal Development

Unsustainable Fishing

Invasive Species

Emerging Uses





# Secretariat Staff



**SPREP**  
Secretariat of the Pacific Regional  
Environment Programme





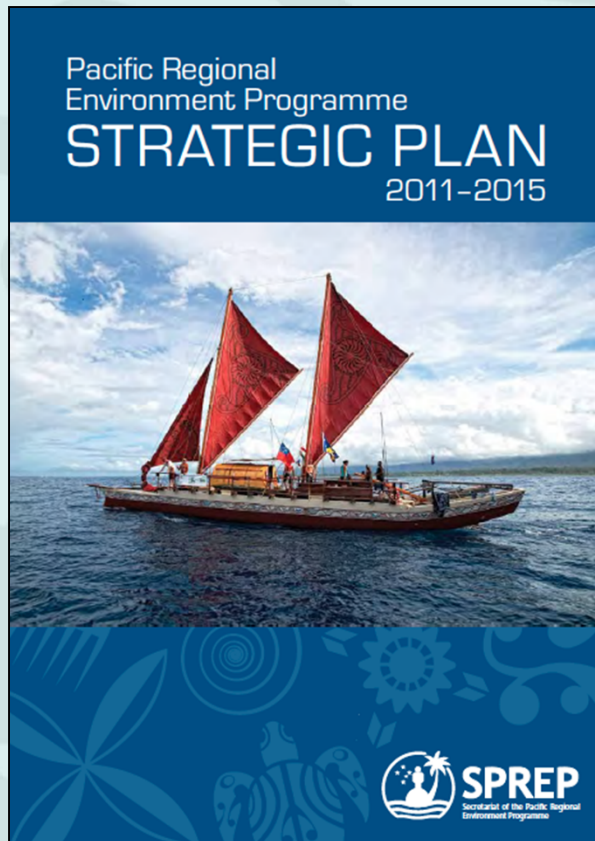
# Outline

- ✓ Introduction
- ✓ Pacific Islands issues / connections
  - SPREP
  - Regional Policy context (Oceanscape)
  - Major Indicator initiatives





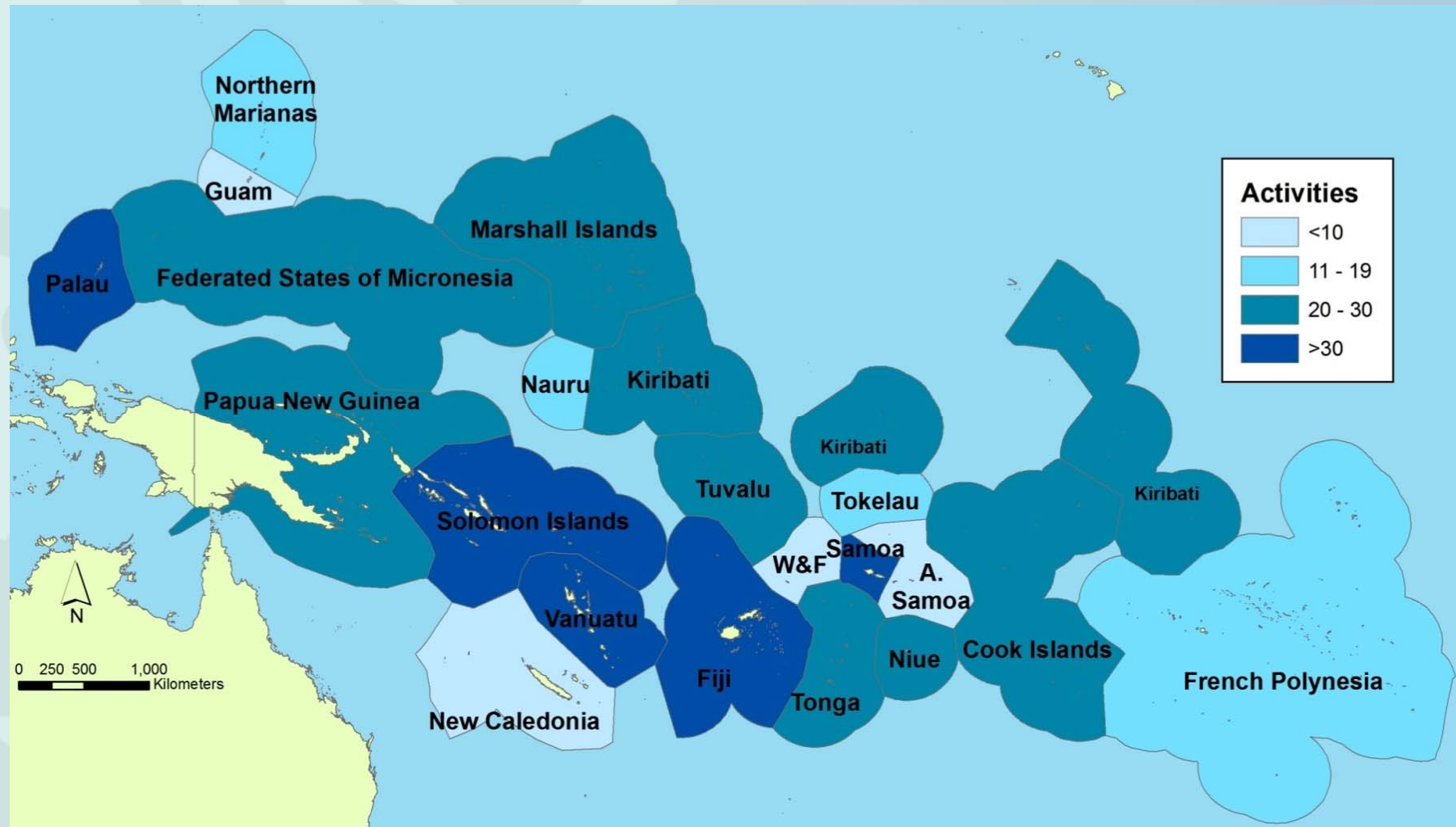
# SPREP structure



- Secretariat of the Pacific Regional Environment Programme
- 26 Member countries and territories (21 Pacific Island members and 5 metropolitan)
- Four Divisions:
  - Biodiversity and Ecosystem Management
  - Climate Change
  - Waste Management and Pollution
  - Environmental Monitoring and Governance
- Currently over 80 staff, based in Apia, Samoa



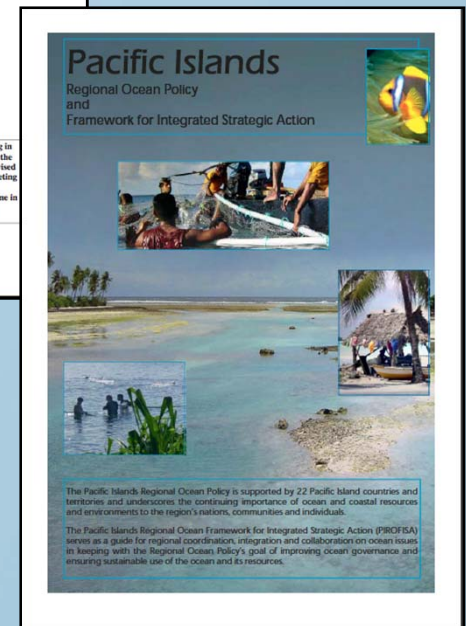
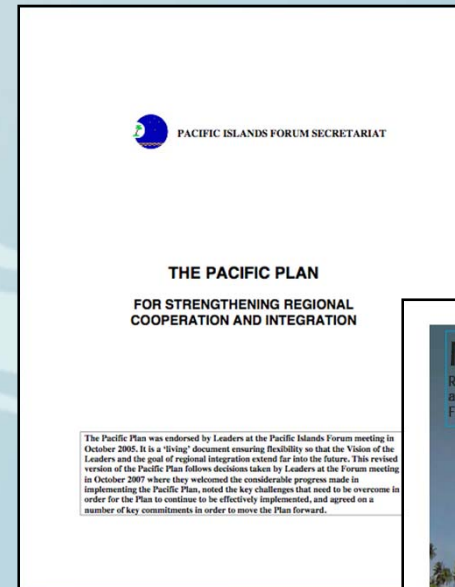
# Regional and national activities 2012





# Pacific Policies promote maintaining intact ecosystems

- **Pacific Plan:** *sustainable development* requires balanced resource use and maintenance of *intact ecosystems*.
- **Pacific Island Regional Ocean Policy:** *sustainably develop, manage and maintain health* of the Pacific Ocean (Principles 2&3).

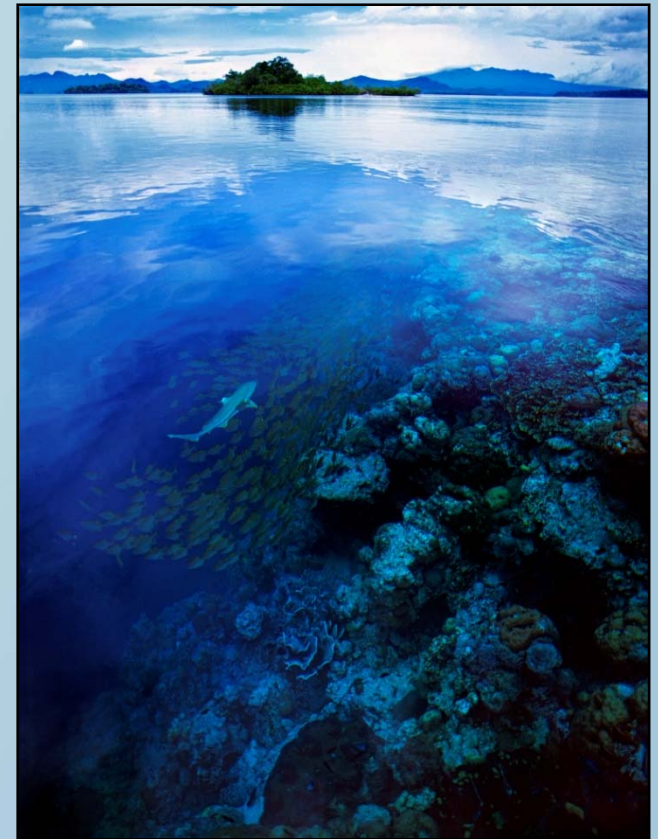


# Oceanscape Vision for integrated management of Pacific resources

## Pacific Oceanscape Vision:

A secure future for Pacific Island Countries and Territories based on sustainable development, management and conservation of our Ocean.

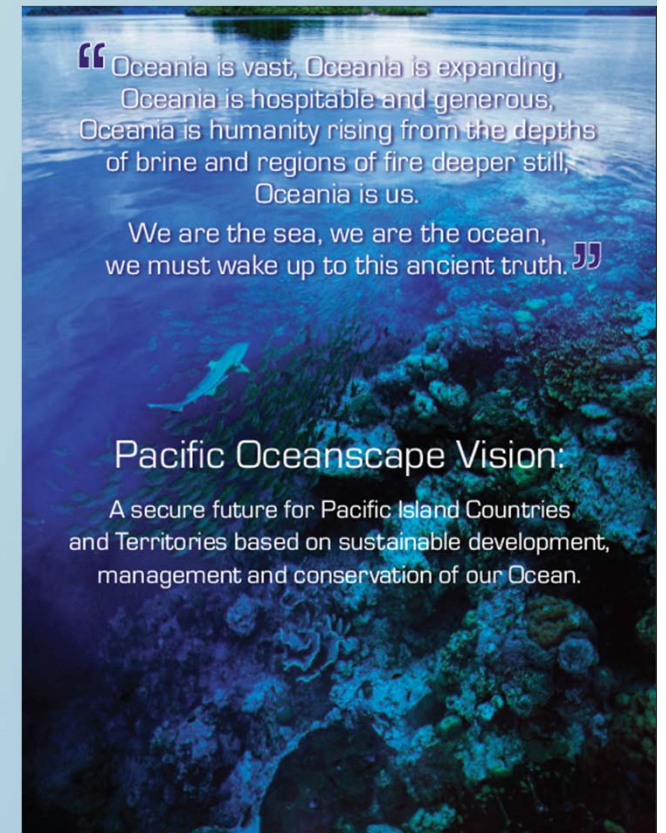
- 2009: proposed by President of Kiribati
- 2010: endorsed by PI leaders
- 2012: Ocean Commissioner established
- 2012: countries make significant commitments under the Oceanscape





# Key Priorities of the Pacific Oceanscape

- 1) Jurisdictional Rights and Responsibilities
- 2) Good Ocean Governance
- 3) Sustainable development, management and conservation
- 4) Listening, Learning, Liaising and Leading



Goal 1.1: Establish and strengthen national, regional and global MPA networks

# Relevant treaties and conventions

## International

- UN Convention on the Law of the Sea
- Convention of Biological Diversity  
Programme of work for Protected Areas
- Convention on Migratory Species - Pacific  
Cetacean MOU
- Ramsar Convention

## Regional

- Noumea Convention
- Western and Central Pacific Fisheries  
Commission
- Parties to the Nauru Agreement
- South Pacific Regional Fisheries  
Management Organisation





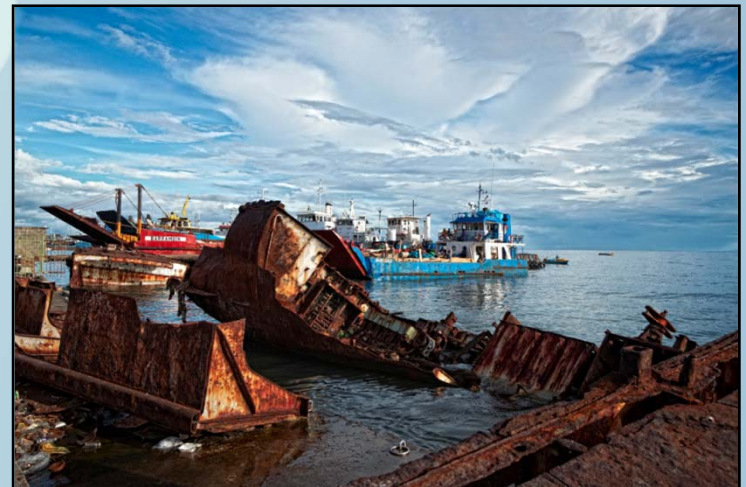
# Convention for the protection of the natural resources and environment of the south Pacific region (Noumea Convention)

## Geographical coverage: South Pacific Region

The Parties shall endeavour to conclude bilateral or multilateral agreements, including regional or sub-regional agreements, *for the protection, development and management of the marine and coastal environment* of the Convention Area.

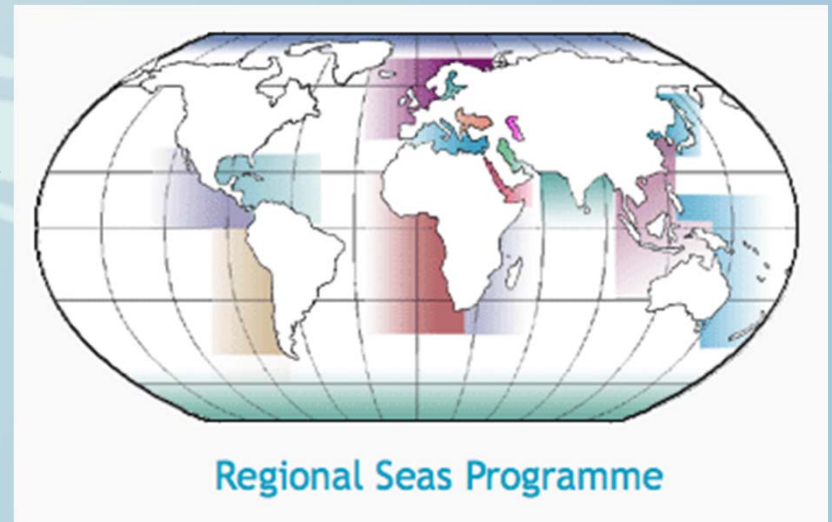
The Parties shall take all appropriate measures to *prevent, reduce and control pollution from..*

Vessels; land based sources  
sea-bed activities; atmospheric sources



# The Pacific Regional Sea Secretariat is SPREP

- The Regional Seas Programme aims to address the accelerating degradation of the world's oceans and coastal areas through the *sustainable management and use of the marine and coastal environment*, by engaging neighbouring countries in comprehensive and specific actions to *protect their shared marine environment*.

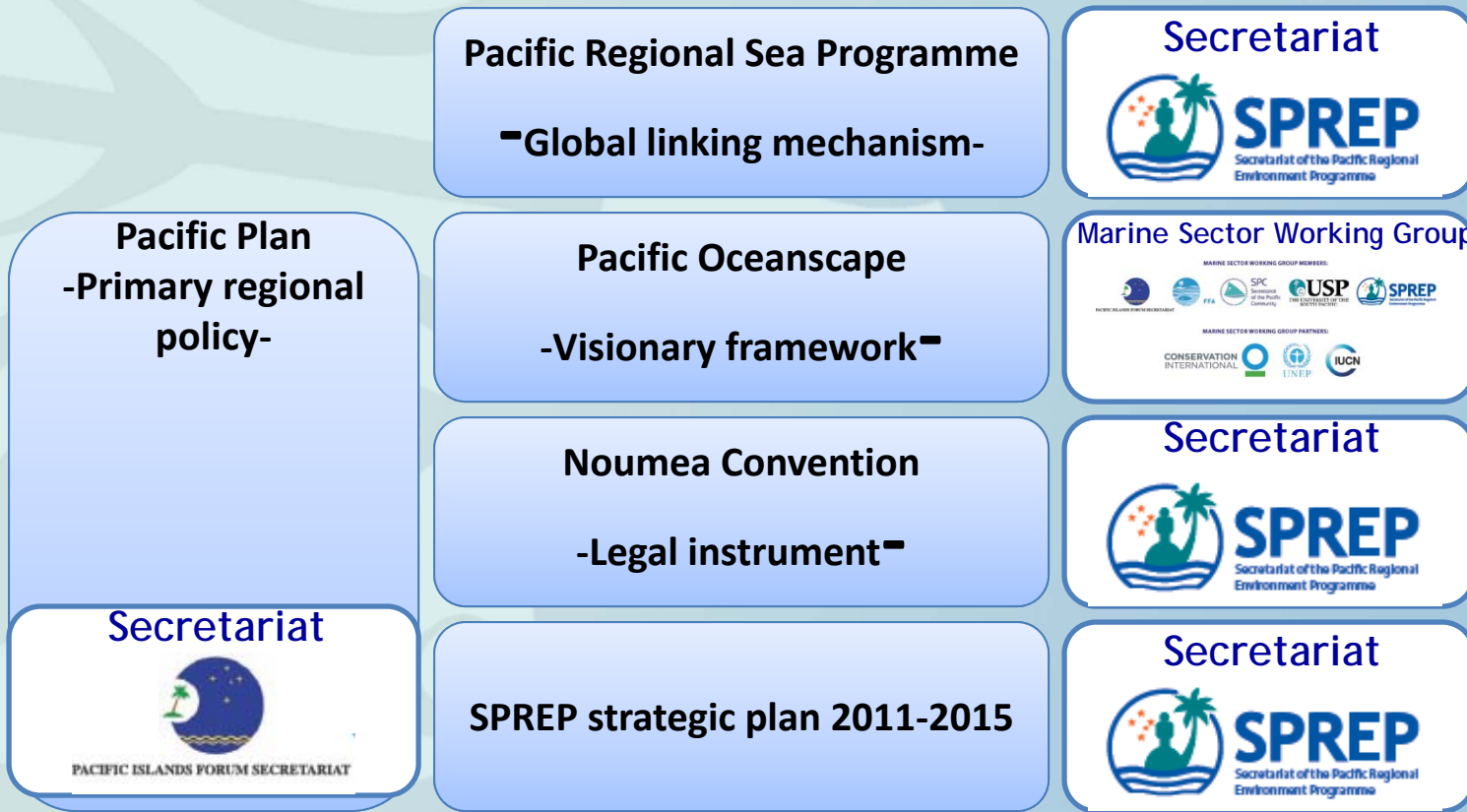


United Nations Environment Programme  
environment for development





# Elements of regional policy framework for marine management support



# Key indicator Initiatives

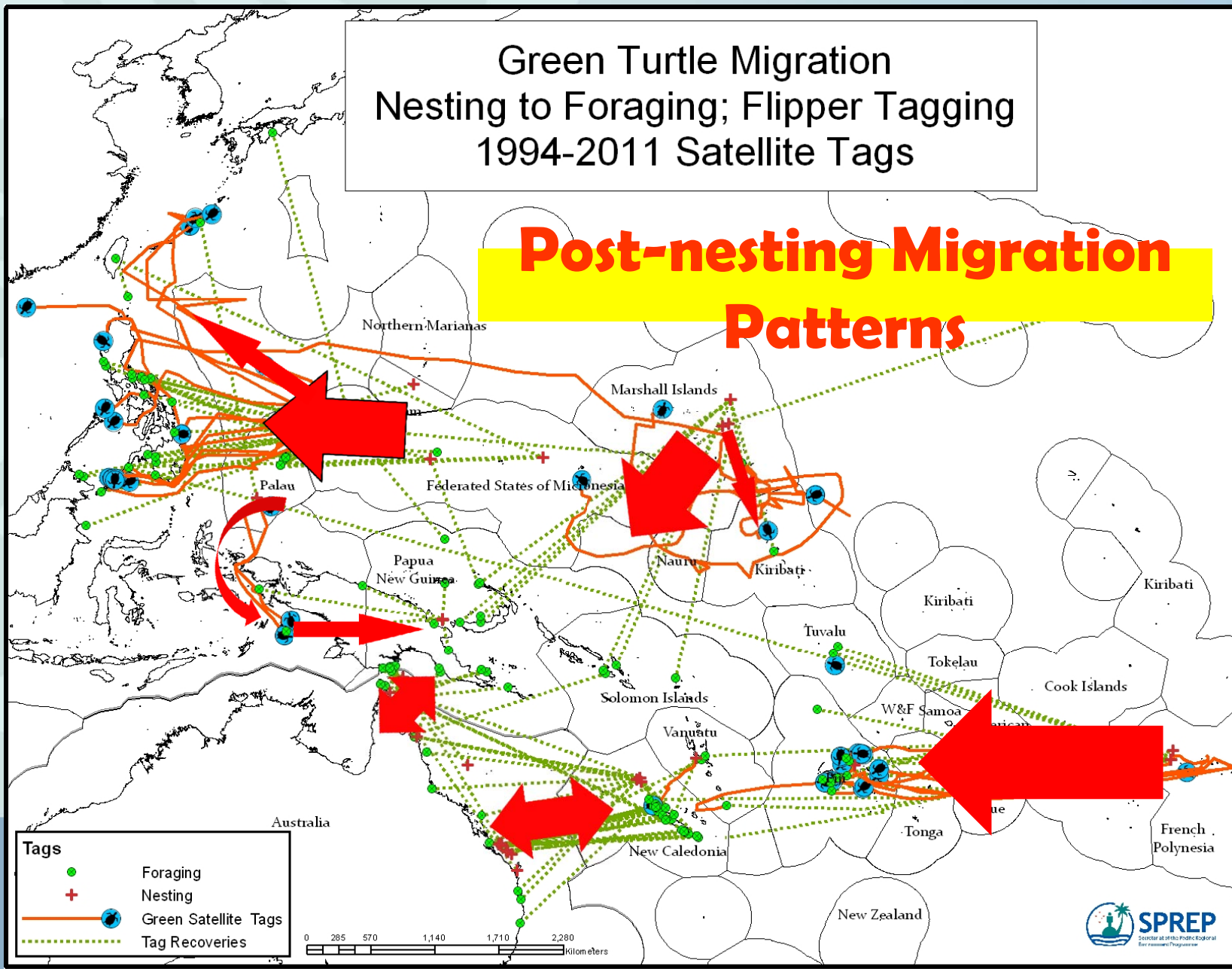
Outlook Report on the  
State of the Marine Biodiversity  
in the Pacific Islands Region



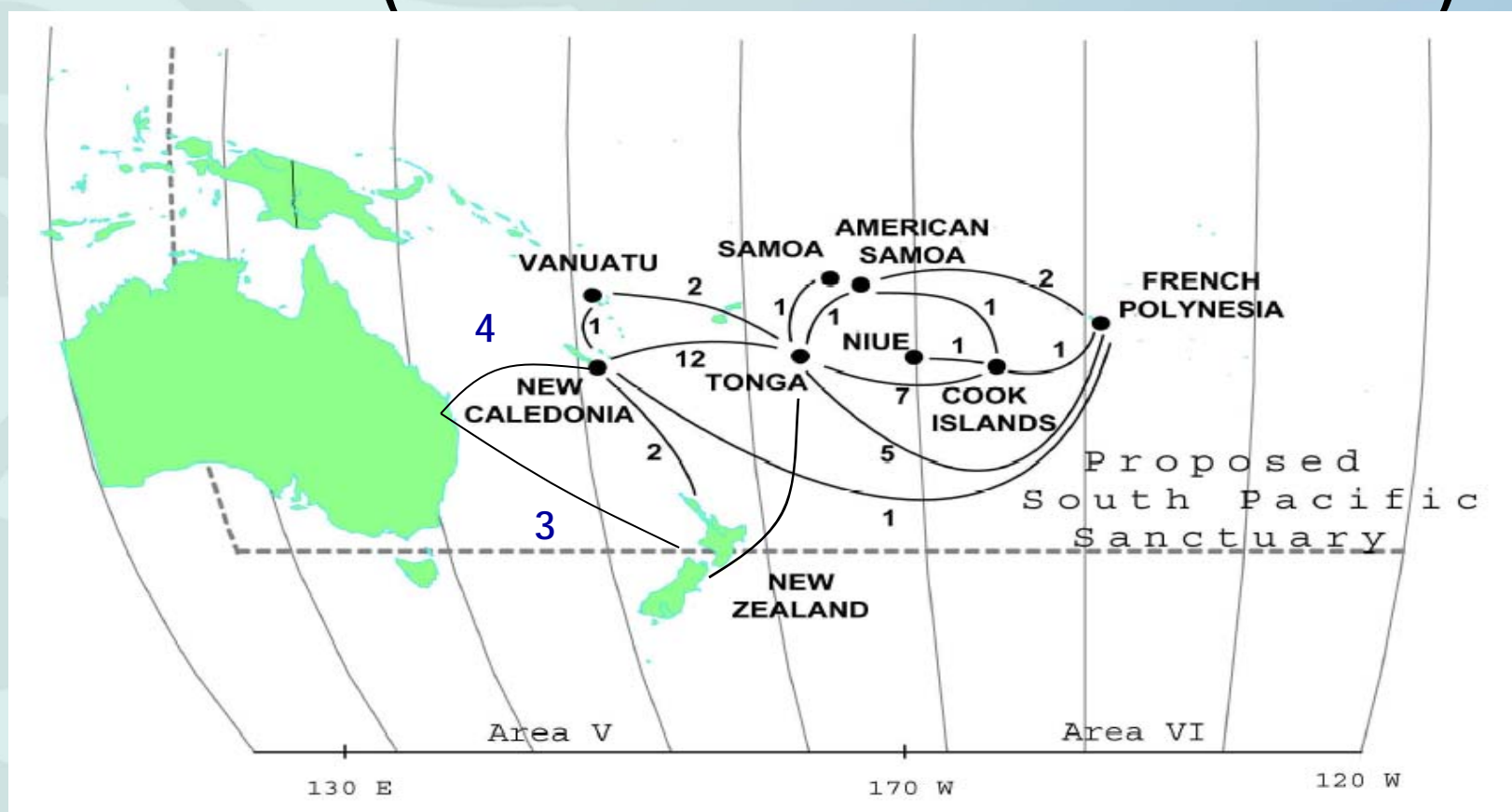
Theme	Indicator	Lead
Migratory species	Turtles	SPREP
	Whales	SPREP
	Sharks	SPREP
	Tuna	MSWG
Shipping	Routes	SPREP
Marine Pollution	Waste	SPREP
Habitats	Coral reef	SPREP / MSWG /Regional and national partners
	Ramsar/Mangroves	SPREP/ Partners
	Seabed	MSWG
Deep Sea Mining	Mining potential	MSWG
Economic Value	Fisheries	MSWG
Climate impacts	SST, coastal erosion	SPREP/MSWG/Partners
Ocean Acidification	Aragonite saturation	SPREP/Partners
Conservation	MMA's MPAs	SPREP
GAPs	By-catch data	MSWG
	Detailed Reef data	National sources
	Deep sea habitat	



# ❖ Combined Flipper/Satellite Tagging Data

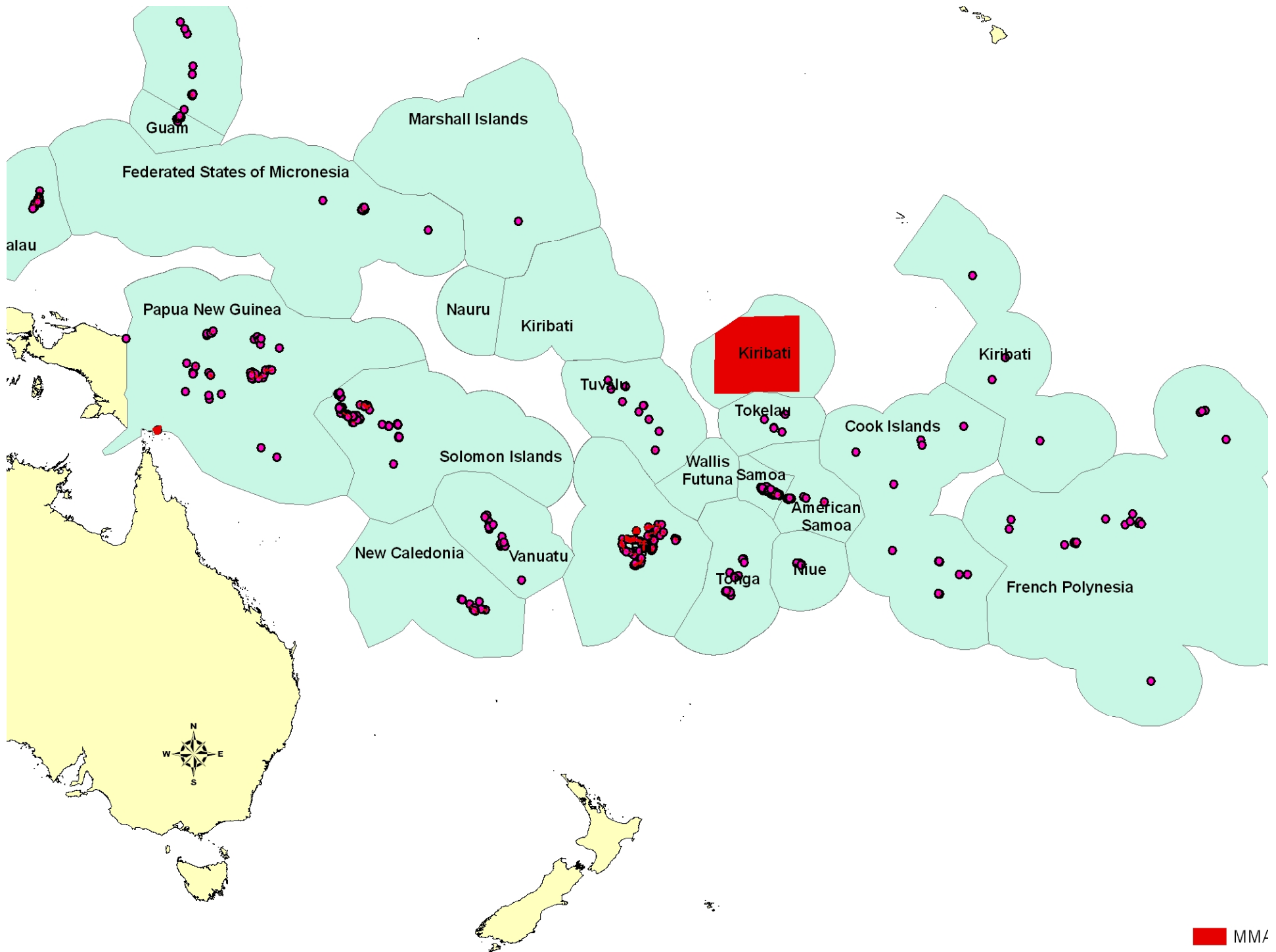


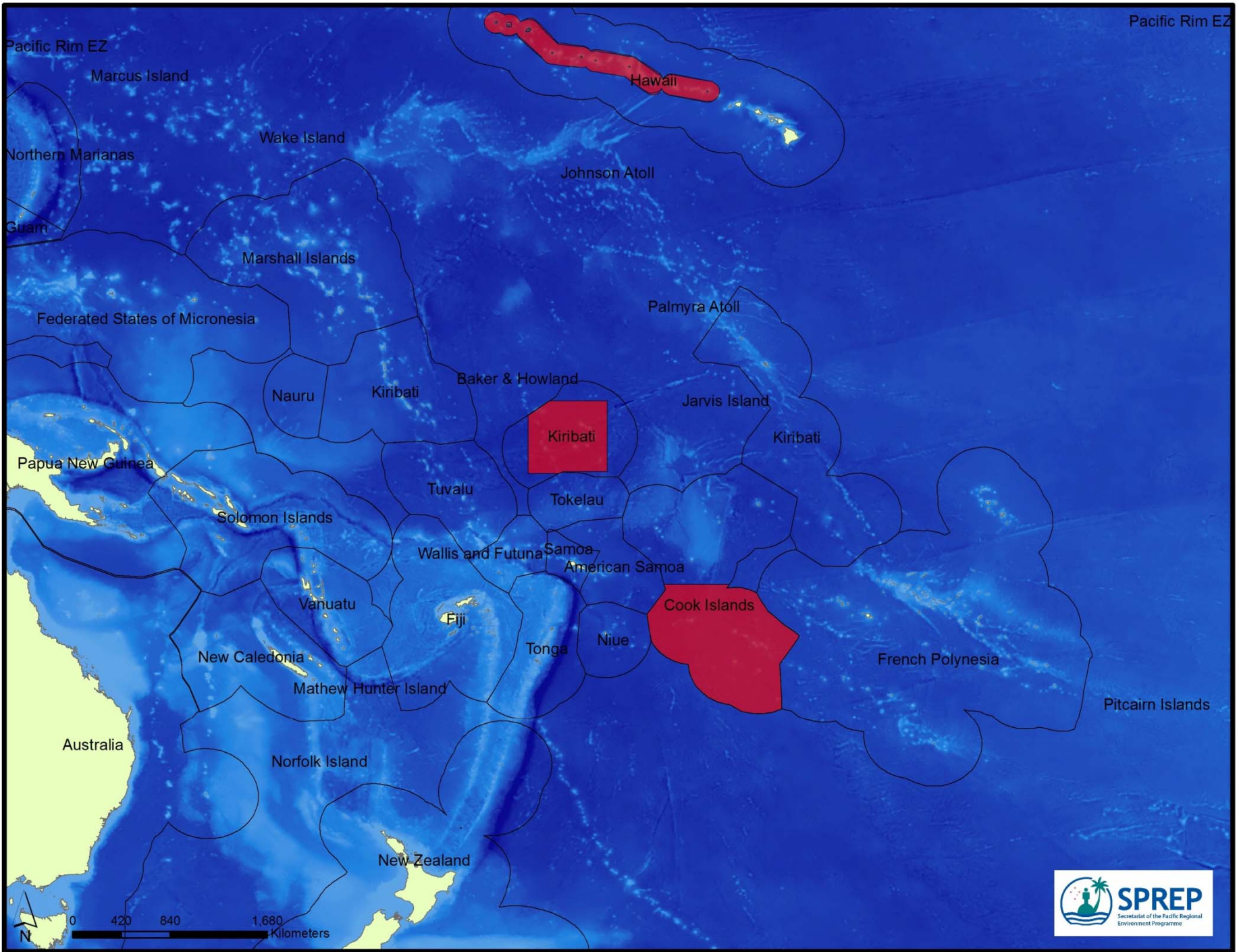
# Migrations of humpback whales between Pacific Islands (within and between seasons)



Resightings of individual humpback whales showing migratory interchange between overwintering grounds in Oceania









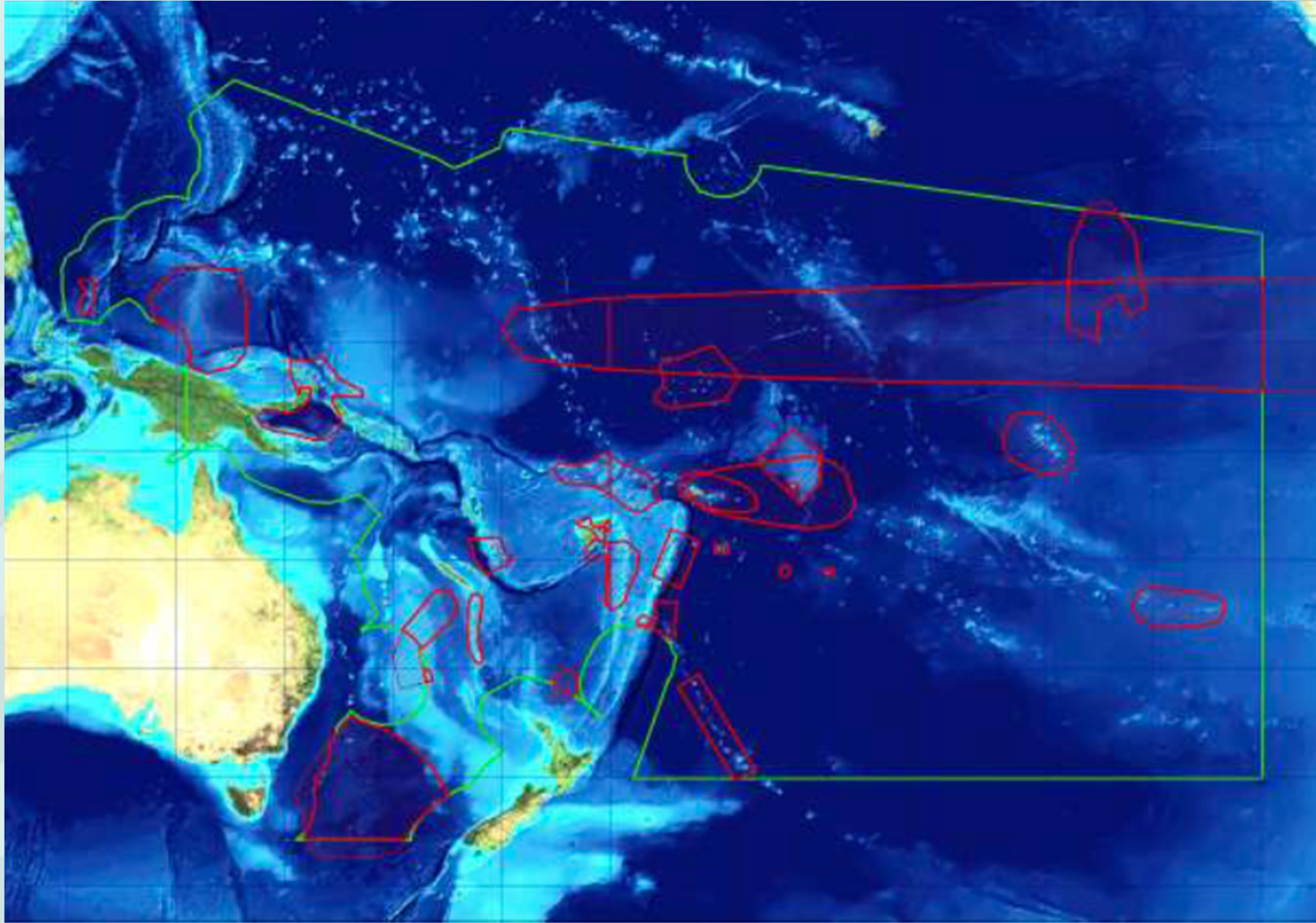
# Marine Spatial Planning



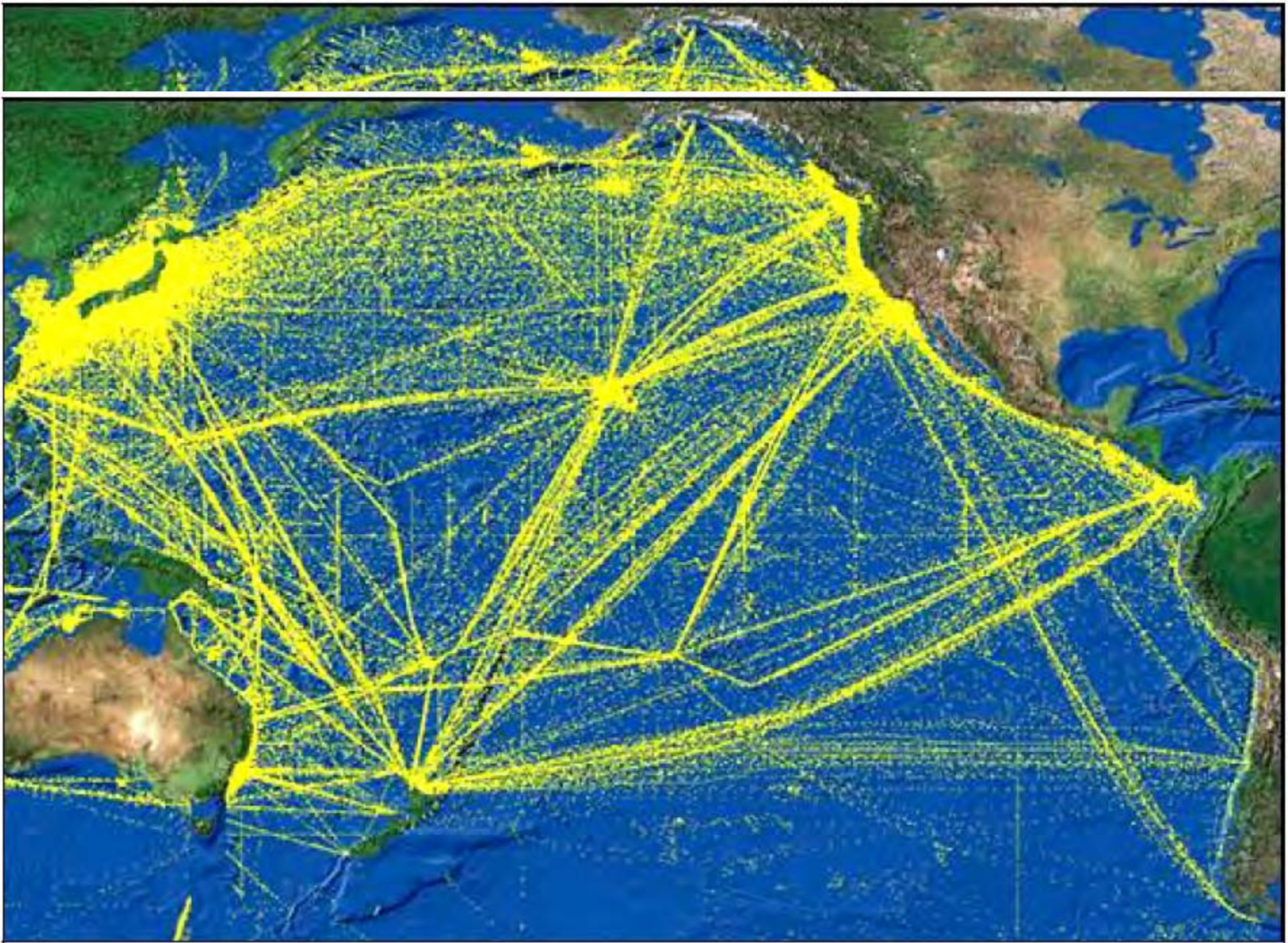
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# Proposed EBSA regions for SW Pacific





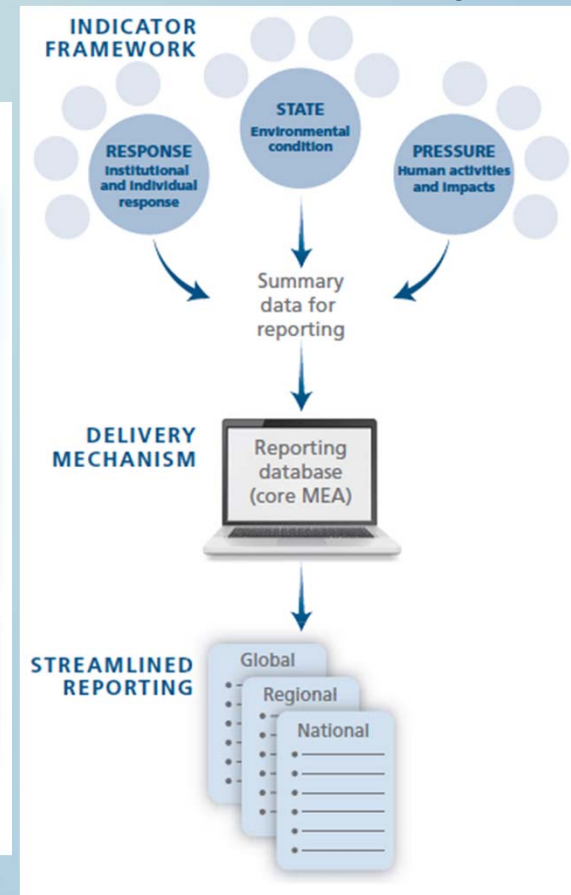
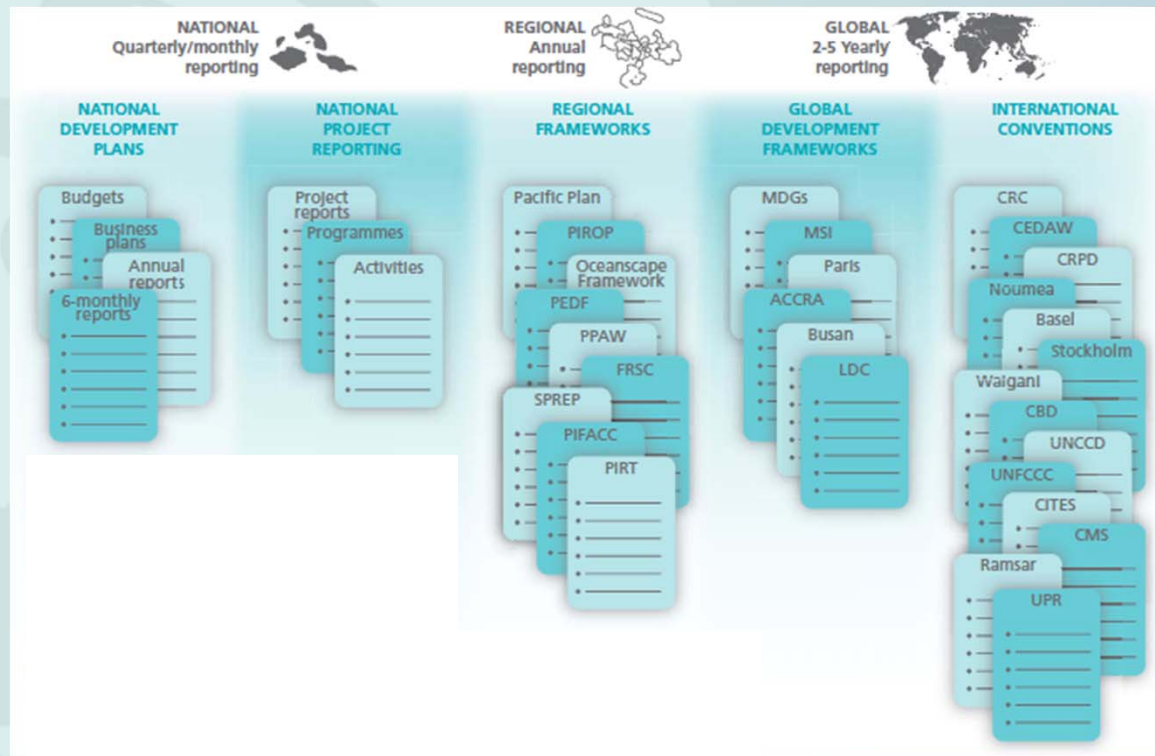


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# Tangible broader benefits of better integrated science – reporting – management- reduced reporting burden



Streamlined (simplified) reporting for Pacific Islands



# Ocean Acidification Monitoring



# Outlook Report on the State of the Marine Biodiversity in the Pacific Islands Region

- Tuna
- Port Traffic
- Red List
- Etc..



Jeff Kinch, Paul Anderson, Esther Richards, Anthony Taloui, Caroline Vieux, Clark Peteru and Tapa Suaesi



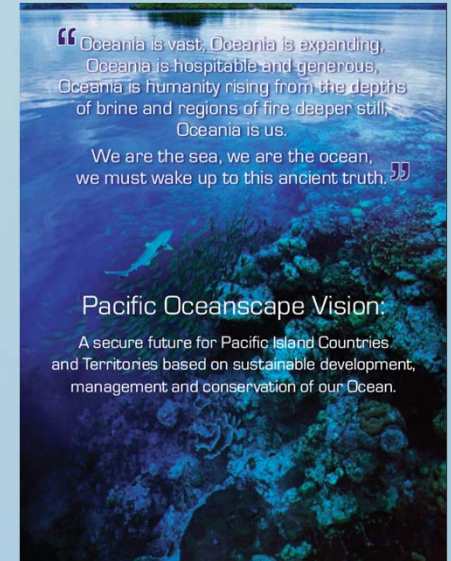
Regional  
Seas





# In Conclusion:

Theme	Indicator	Lead
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	Whales	SPREP
	Sharks	SPREP
	Tuna	MSWG
Shipping	Routes	SPREP
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- The Pacific region has a strong history of indicator development and collection and implementation context to absorb targeted monitoring and research into improved and more sustainable marine management.

# Thankyou

