

SECRETARIAT OF THE PACIFIC COMMUNITY  
SÉCRÉTARIAT GÉNÉRAL DE LA COMMUNAUTÉ DU PACIFIQUE




## 2015 Pacific Island Countries GIS & RS Annual User Conference

Wednesday 18<sup>th</sup> November 2015

**Geoscience Division: Pacific Islands Maritime Boundaries Unit:**  
*Challenges & Achievements of Delimiting Maritime Boundaries in  
the Pacific: Regional Perspective*

Jens Kruger – Head of Ocean & Coastal Geoscience Sector  
Andrick Lal – Project Officer (Surveying)  
Emily Artack – Maritime Boundaries Technical Officer (Cartographer)

## Global EEZ datasets




VLIZ (2009), World Maritime Boundaries, version 5; 01-10-2009  
Legend: Unique Value [EEZ]  
Label: COUNTRY

ShapeFile to Google Earth

The Flanders Marine Institute (VLIZ Data Centre) produces this dataset to support scientists in marine data management

<http://www.marineregions.org/downloads.php>

## Global EEZ datasets



The screenshot shows the Marineregions.org website. The main heading is "Global EEZ datasets". The website logo is "Marineregions.org" with the tagline "towards a standard for georeferenced marine names". The navigation menu includes "About", "Marine Gazetteer", "EEZ boundaries", "Sources", "Statistics", and "Downloads". The "Downloads" section is active, showing a list of "Shapefiles" for "Exclusive Economic Zones Boundaries (EEZ)". The list includes various versions of World EEZ datasets with their respective download counts and links for download, low resolution, and change history.

**Shapefiles**

**Web services**

**Static Maps**


**Exclusive Economic Zones Boundaries (EEZ)**

- World EEZ v0 (2014-03-28, 65 MB) - downloads: 832  
[Download] [Low.res] [XML] [Change.history] [Known.issues]
- World EEZ v7 (2012-11-30, 67 MB) - downloads: 634  
[Download] [Low.res] [XML] [Change.history] [Known.issues]
- World EEZ v6.1 (2011-05-12, 84 MB) - downloads: 899  
[Download] [Low.res] [XML] [Change.history] [Known.issues]
- World EEZ v6 (2011-03-30, 84 MB) - downloads: 851  
[Download] [Low.res] [XML] [Change.history] [Known.issues]
- World EEZ v5 (2009-10-01, 86 MB) - downloads: 382  
[Download] [XML] [Change.history] [Known.issues]
- World EEZ v4 (2009-08-11, 86 MB) - downloads: 797  
[Download] [XML] [Change.history]
- World EEZ v3 (2009-04-30, 85 MB) - downloads: 637  
[Download] [XML] [Change.history]
- World EEZ v2 (2008-10-31, 4 MB) - downloads: 1208  
[Download] [Change.history]
- World EEZ v1 (2006-01-26, 4 MB) - downloads: 1837  
[Download]

[more info](#)

<http://www.marineregions.org/downloads.php>

## Provisional EEZ estimated areas vs Land Areas (with estimated population)



The screenshot shows the SPC Coastal Fisheries Programme website. The main heading is "Provisional EEZ estimated areas vs Land Areas (with estimated population)". The website logo is "SPC Coastal Fisheries Programme". The navigation menu includes "HOME PAGE", "ABOUT CFP", "WORK AREAS", "PUBLICATIONS", "PROJECTS", "COUNTRIES", and "CONTACT US". The "PUBLICATIONS" section is active, showing a list of publications. The "Fisheries Address Book 2015" is highlighted, with a link to download the PDF file.

**SPC Coastal Fisheries Programme**

**Home** → **PUBLICATIONS** → Fisheries Address Book

**Digital Library**

- Calendar of Events
- CFP Meetings
- Login Form
- Web Applications

**CFP Publications**

- Bulletins
- Biographies

**SPC Fisheries Address Book 2015**

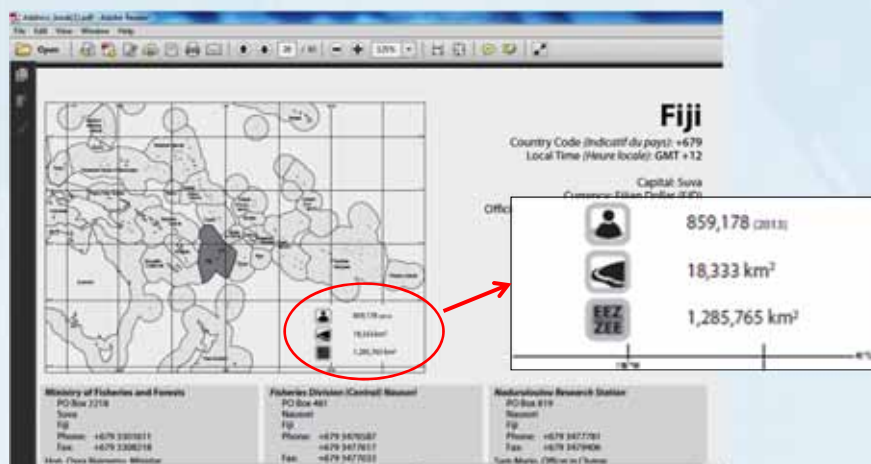
The SPC Fisheries Address Book 2015 is available in Adobe Acrobat (pdf). You can download it from here (PDF: 4 Mb). If Adobe Acrobat Reader is not installed on your computer you can download it for free from the Adobe Web Corporation.

If you want to import the Fisheries Address Book into MS Outlook, please contact the Fisheries Information Section to get a .csv file, as well as instructions on how to proceed.

**PDF**  
SPC Fisheries Address Book 2015 (4 Mb)

<http://www.spc.int/coastfish/en/publications/fisheries-address-book.html>

## Provisional EEZ estimated areas vs Land Areas (with estimated population)



<http://www.spc.int/coastfish/en/publications/fisheries-address-book.html>

## Disclaimer note

### Note:

Grey areas in the maps represent Exclusive Economic Zones (EEZ) of the countries and territories of the Pacific Region. These maps do not necessarily reflect coastal state claims and are without prejudice to negotiations that countries may enter into. Data related to EEZ areas were extracted from Claus et al. (2014).

*Dans chaque carte, les parties grisées représentent les zones économiques exclusives (ZEE) des États et territoires de la région Pacifique. Ces cartes ne reflètent pas nécessairement les revendications des États côtiers et ne préjugent nullement des négociations qu'ils sont susceptibles d'engager. Les données relatives aux superficies des ZEE sont extraites de Claus et al. (2014).*

Population figures are estimates provided by the SPC Demography Programme.

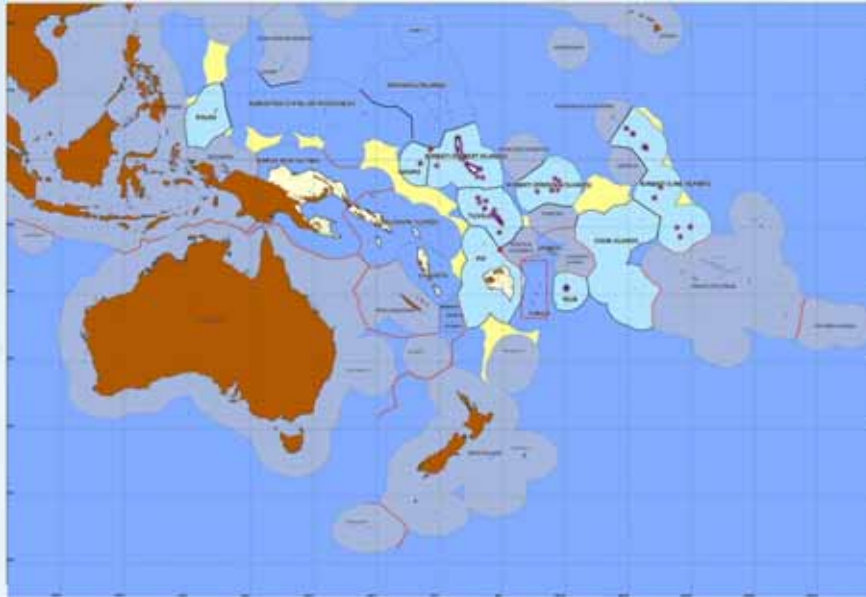
*Les données démographiques sont des estimations fournies par le Programme de démographie de la CPS.*

Claus S., De Hauwere N., Vanhooime B., Deckers P., Souza Dias F., Hernandez F. and Mees J. 2014. Marine Regions: Towards a global standard for georeferenced marine names and boundaries. *Marine Geodesy* 37(2):99-125. Accessed at <http://www.marineregions.org> on 2015-04-24.

Prepared by SPC's Fisheries Information Section, Division of Fisheries, Aquaculture and Marine Ecosystems  
and printed at the Secretariat of the Pacific Community (SPC) Headquarters  
Noumea, New Caledonia, 2015

<http://www.spc.int/coastfish/en/publications/fisheries-address-book.html>

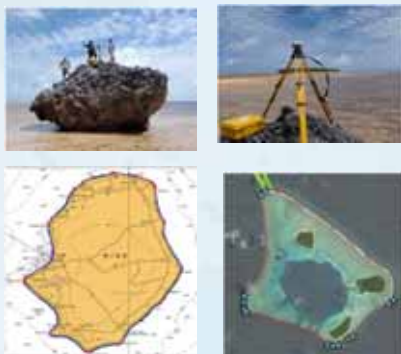
**Provisional EEZ areas vs Actual MB**



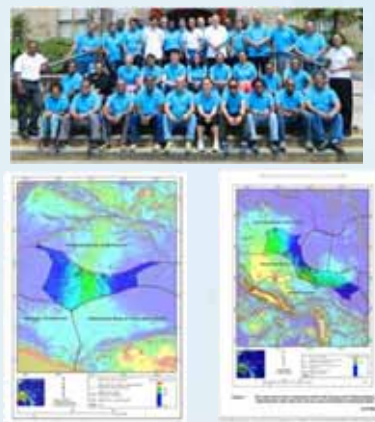
**SPC's Geoscience Division:  
Regional Maritime Boundaries Unit Activities  
(2002 to date)**



**Baseline/Maritime zones development**



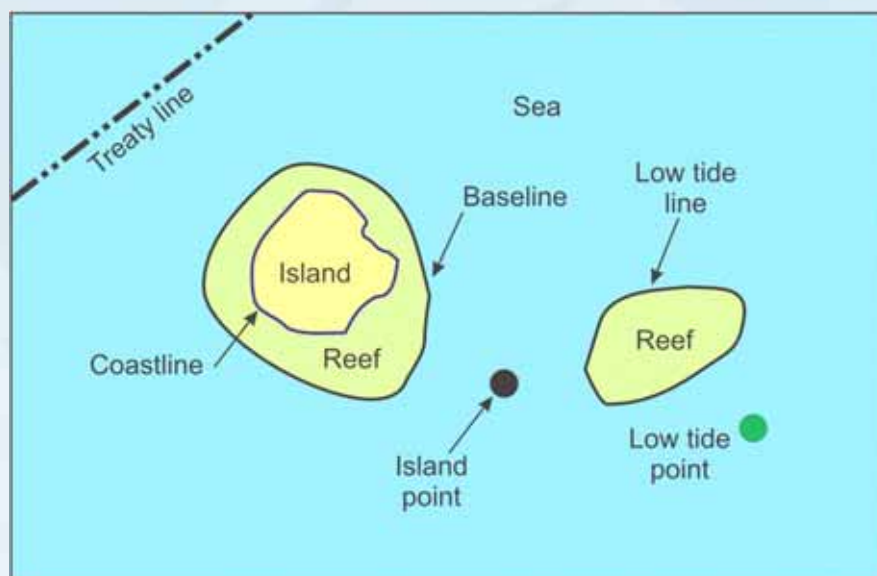
**Extended Continental Shelf activities (ECS)**



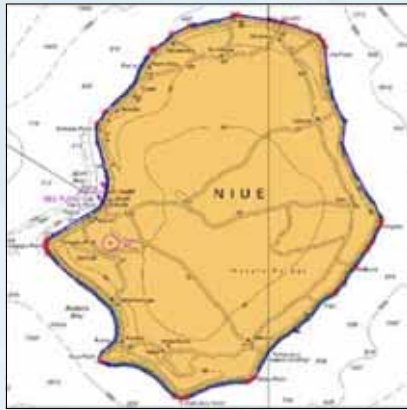
### Overview of SPC's Maritime Boundaries Unit tasks:

1. **Baseline development** – definition of “low water line” along edge of reef, or outer most edge of outlying islands and drying reefs of an archipelago using best available datasets.
2. **Maritime Zones development** – calculating the zones of the 12 nautical miles (Territorial Sea), 24 nautical miles (Contiguous Zone) and the 200 nautical miles (Exclusive Economic Zone).
3. **Technical solutions** prepared with PICs for shared/overlapping EEZs
4. **Extended Continental Shelf activities (ECS)** – extending the seabed territory beyond the 200 nautical miles (EEZ).

### Reference Features: UNCLOS



### Example of an island – developing the normal baseline

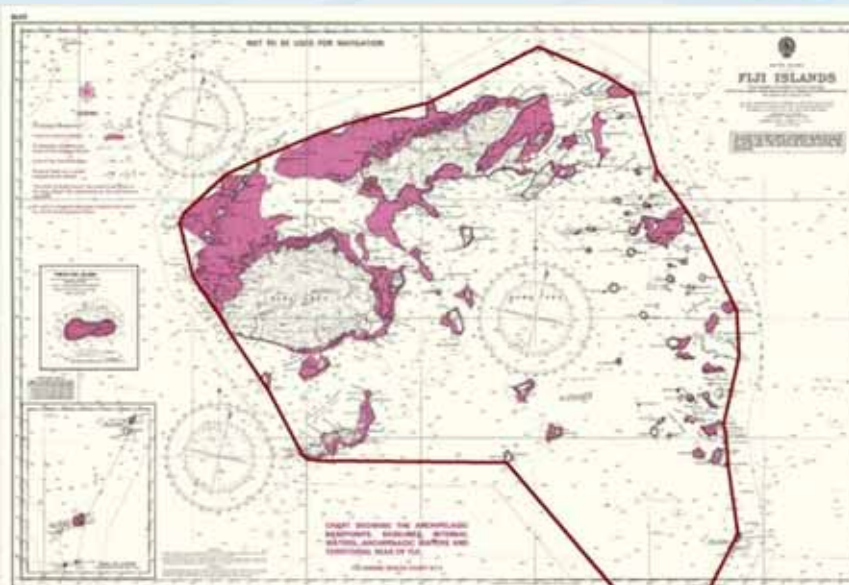


NIUE



KIRIBATI

### Archipelagic baselines: Fiji

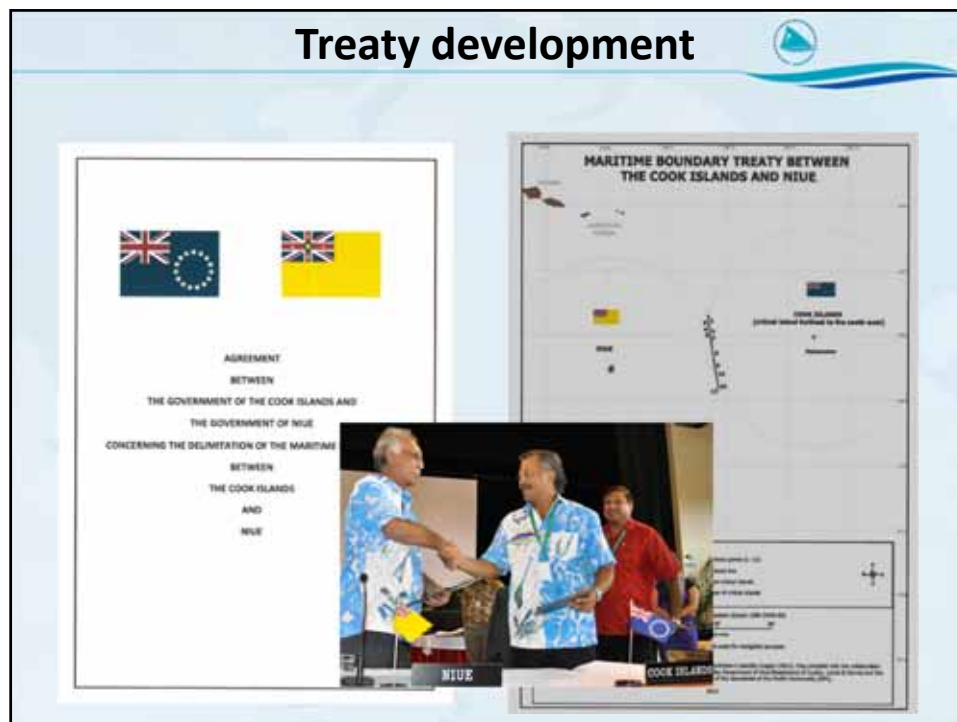


### Defining Maritime Limits: The Envelope of Arcs

**Baselines versus Basepoints:**  
 Not all of the baseline contributes to defining the limits of maritime jurisdiction

### Baselines – construct median line in specialist software, “MarZone”

\* Not drawn to scale



## State parties obligation under UNCLOS

- **Article 16 (para.1&2):** *Charts and lists of geographical coordinates for the baseline which draws the territorial sea or the limits derived therefrom to be shown on charts, or alternatively in a list of geographic coordinates of points, specifying the geodetic datum and this is to be given due publicity and deposit a copy with the UN.*
- **Article 47 (para.8&9):** *Charts and lists of geographical coordinates for the archipelagic baselines to be shown on charts, or alternatively in list of geographic coordinates of points, specifying the geodetic datum and this is to be given due publicity and deposit a copy with the UN.*
- **Article 75 (para.1&2):** *: Charts and lists of geographical coordinates which show the outer limits of the EEZ and lines of delimitation to be shown on charts, or alternatively in list of geographic coordinates of points, specifying the geodetic datum and this is to be given due publicity and deposit a copy with the UN.*



### Maritime Boundaries and Extended Continental Shelf (ECS)

*There are a number of criteria which determine if a coastal state has potential and the claims are subject to a technical review by the UN Commission on the Limits of the Continental Shelf*

### Extended Continental Shelf activities (ECS)

10 PICs submitted claims of additional “seabed” areas beyond the EEZs

Cook Islands-  
“Manihiki Plateau”

PNG/SI/FSM –  
“Ontong Java Plateau”

Fiji – 3 Areas

# UN website

<http://www.un.org/depts/los/index.htm>

# UN website

<http://www.un.org/Depts/los/LEGISLATIONANDTREATIES/depositpublicity.htm>

## UN website

UN website

UNEP

19 March 2015

**SUBMISSION IN COMPLIANCE WITH THE DEPOSIT OBLIGATIONS PURSUANT TO THE UNITED NATIONS CONVENTION ON THE LAW OF THE SEA (UNCLOS)**

**M.Z.N.113.2015.LOS of 17 December 2012** Deposit of (1) List of geographical coordinates of points between which straight baselines are to be drawn for the purpose of determining the seaward limits of the territorial seas of Rotuma and its dependencies, as contained in the Marine Spaces (Territorial Seas) (Rotuma and its Dependencies) Order (based on the World Geodetic System 1972 (WGS 72) datum, plus 3 seconds of latitude and plus 2 seconds of longitude in each case);

(2) List of geographical coordinates of points between which straight baselines are to be drawn for the purpose of determining the seaward limits of the archipelagic waters of Fiji and the seaward limits of the territorial sea of the Fiji archipelago, as contained in the first schedule (paragraph 2) annexed to the Marine Spaces (Archipelagic Baselines and Exclusive Economic Zone) Order (based on the World Geodetic System 1972 (WGS 72) datum, minus 7 seconds of latitude and 52 seconds of longitude in each case); and

(3) List of geographical coordinates of points between which, when joined in a numerical sequence, a line is drawn up to which extend the outer limits of the exclusive economic zone of Fiji, as reflected in the second schedule (paragraph 7) contained in the Marine Spaces (Archipelagic Baselines and Exclusive Economic Zone) Order (based on the World Geodetic System 1972 (WGS 72) datum).

**Originals of deposited geographical coordinates of points**

Relevant articles of UNCLOS: 16(2); 47(5); 71(2)  
 LOS: No. 27  
 Orders in *Law of the Sea Bulletin*: No. 66

**M.Z.N.113.2015.LOS of 12 March 2015** Deposit of a list of geographical coordinates of points, pursuant to article 16, paragraph 2, and article 47, paragraph 9, of the Convention, which supersedes those referred to in 1) and 2) of M.Z.N.60.2007.LOS of 17 December 2007.

**Originals of deposited geographical coordinates of points**

Relevant article of UNCLOS: 16(2); 47(9)  
 Law of the Sea Bulletin: No. 87

**Communications received by the Secretary-General in connection with the deposit of charts and/or lists of geographical coordinates of points**

• N/A

<http://www.un.org/Depts/los/LEGISLATIONANDTREATIES/STATEFILES/FJI.htm>

## UN website

United Nations Nations Unies

HEADQUARTERS • 35106 NEW YORK, NY 10017  
 TEL.: 1 (212) 963-1234 • FAX: 1 (212) 963-4874

REF: M.Z.N.113.2015.LOS (Maritime Zone Notification) 12 March 2015

**United Nations Convention on the Law of the Sea  
 Montego Bay, 10 December 1982**

**Deposit by the Republic of Fiji  
 of a list of geographical coordinates of points,  
 pursuant to article 16, paragraph 2, and article 47, paragraph 9, of the Convention**

The Secretary-General of the United Nations communicates the following:

On 3 February 2015, the Republic of Fiji deposited with the Secretary-General, pursuant to article 16, paragraph 2, and article 47, paragraph 9, of the Convention, a list of geographical coordinates of points concerning the baselines for measuring the breadth of the territorial sea of Fiji, as contained in the *Marine Spaces (Territorial Seas) (Rotuma and its Dependencies) (Amendment) Order 2012*, dated 31 October 2012, and the *Marine Spaces (Archipelagic Baselines and Exclusive Economic Zone) (Amendment) Order 2012*, dated 31 October 2012.

The coordinates are referenced to the International Terrestrial Reference System 2005 (ITRS2005).

The list of geographical coordinates of points supersedes the following lists of geographical coordinates referred to in M.Z.N.60.2007.LOS of 17

<http://www.un.org/Depts/los/LEGISLATIONANDTREATIES/STATEFILES/FJI.htm>

## **Baseline/Maritime zones development**

1. Global Positioning Systems (GPS) Field Surveys (**PNG, Fiji, Kiribati**) from period 2007-2011
2. High resolution Satellite Imagery (Geoeye 1 with spatial resolution of 50 cm)
3. Large scale topographic maps and nautical charts, where available for some PICs



## **In-country visits to stakeholders**

SPC's Project team and the legal advisor from the Government of Australia's Attorney General's Department visited the following countries to conduct meetings with national stakeholders:

- 2011 - Niue & Tuvalu
- 2012 - Kiribati
- 2013 - Marshall Islands
- 2014 - Solomon Islands (organised by FFA)
- 2015 – Palau, FSM, RMI

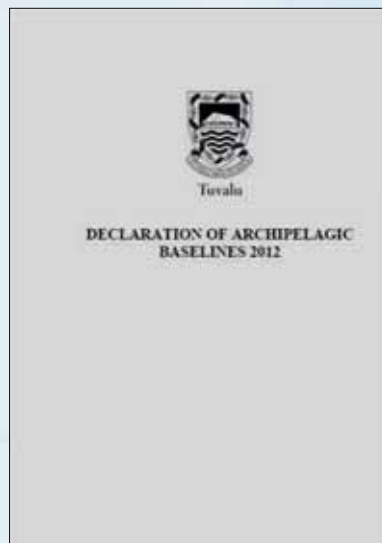
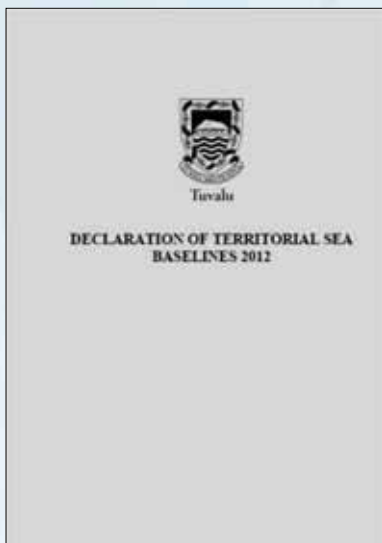


## ***Pacific Islands Forum Fisheries Agency: Vessel Monitoring System***



## ***Outputs***

**Baseline coordinates ready for Declarations/Public Orders**



# Outputs

Baseline coordinates ready for Declarations/Public Orders

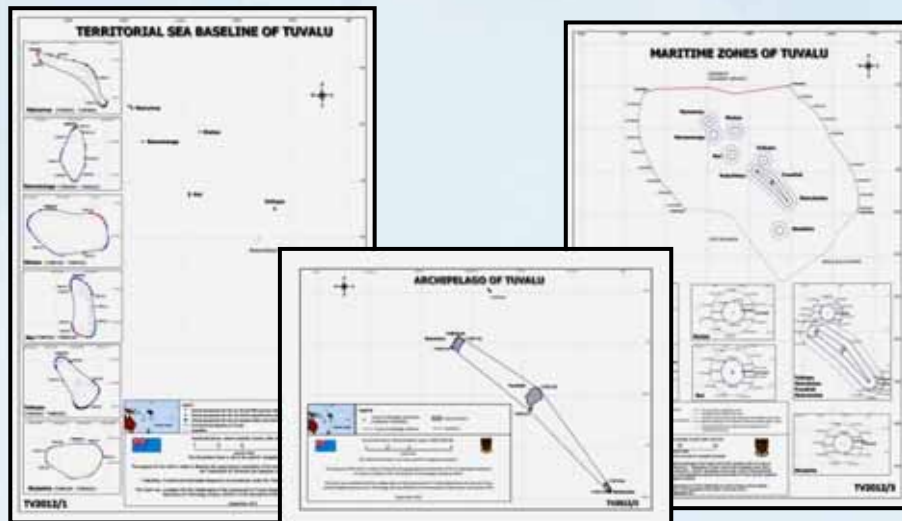
**SCHEDULE 1 -  
GEOGRAPHIC COORDINATES**

Point Identifier	Latitude	Longitude	Point Reference
TVB00110	7° 17' 39.37" S	170° 22' 42.30" E	Further north point on reef north of Funafuti side in Niakobesa atoll.
TVB00111	7° 17' 38.21" S	170° 22' 42.27" E	Further north point on reef north of Funafuti side in Niakobesa atoll.
TVB00112	7° 17' 35.79" S	170° 22' 38.14" E	Further north point on reef north of Funafuti side in Niakobesa atoll.
TVB00113	7° 17' 35.94" S	170° 22' 35.13" E	Further north point on reef north of Funafuti side in Niakobesa atoll.
TVB00114	7° 17' 38.10" S	170° 22' 38.94" E	Further north point on reef north of Funafuti side in Niakobesa atoll.
TVB00115	7° 17' 38.26" S	170° 22' 37.40" E	Further north point on reef north of Funafuti side in Niakobesa atoll.
TVB00116	7° 17' 41.40" S	170° 22' 34.16" E	Further north point on reef west of Funafuti side in Niakobesa atoll.
TVB00117	7° 17' 38.61" S	170° 22' 31.47" E	Further north point on "fields" reef west of Funafuti side in Niakobesa atoll.
TVB00118	7° 17' 31.90" S	170° 20' 37.50" E	Further north point on "fields" reef north of Teakobea side in Niakobesa atoll.
TVB00119	7° 17' 30.10" S	170° 20' 31.24" E	Further north point on "fields" reef north of Teakobea side in Niakobesa atoll.
TVB00140	7° 17' 33.90" S	170° 20' 49.82" E	Further north point on "fields" reef north of Teakobea side in Niakobesa atoll.
TVB00141	7° 17' 37.38" S	170° 20' 41.81" E	Further north point on "fields" reef north of Teakobea side in Niakobesa atoll.

Tuvalu 2012 UN/10a 1 of 2012 Page 7

National Declaration - <http://www.tuvalu-legislation.tv/>

# Updated Maritime Legislation in 2012



National Declaration - <http://www.tuvalu-legislation.tv/>

### Tuvalu's Maritime Legislation deposited with the UN in 2013

**TUVALU**

Updated 08 September 2013

**SUBMISSION IN COMPLIANCE WITH THE DEPOSIT OBLIGATIONS PURSUANT TO THE UNITED NATIONS CONVENTION ON THE LAW OF THE SEA (UNCLOS)**

■ **M.Z.N. 88, 2013, LOS of 6 September 2013.** Deposit of lists of geographical coordinates of points as contained in Declaration of Territorial Sea Baselines 2012, Declaration of Archipelagic Baselines 2012, Declaration of the Outer Limits of the Territorial Sea 2012, Declaration of the Outer Limits of the Exclusive Economic Zones 2012, Declaration of the Outer Limits of the Continental Shelf 2012, and the Agreement between Tuvalu and Kiribati concerning their Maritime Boundary, done on 29 August 2012.

Originals of deposited information: Declaration of Archipelagic Baselines 2012, Declaration of Territorial Sea Baselines 2012, Declaration of the Outer Limits of the Territorial Sea 2012, Declaration of the Outer Limits of the Exclusive Economic Zone 2012, Declaration of the Outer Limits of the Continental Shelf 2012, and the Agreement between Tuvalu and Kiribati concerning their Maritime Boundary, done on 29 August 2012.

Relevant articles of UNCLOS: 14(2), 47(9), 75(2), 84(2)  
 LOSC No. 38  
 Law of the Sea Database No. 83

**CONTINENTAL SHELF BEYOND 200 NAUTICAL MILES FROM THE BASELINES FROM WHICH THE BREADTH OF THE TERRITORIAL SEA IS MEASURED**

■ **Joint Submission to the Commission on the Limits of the Continental Shelf by Tuvalu, France and New Zealand (Tokelau) in the area of the Riddes Ridge made on 7 December 2012**

**Legislation**

- Marine Zones (Declaration) Act, 1982 (repealed)
- Marine Zones Act 2012
- Declaration of Archipelagic Baselines 2012
- Declaration of Territorial Sea Baselines 2012
- Declaration of the Outer Limits of the Territorial Sea 2012

**International Declaration -**  
<http://www.un.org/Depts/los/LEGISLATIONANDTREATIES/STATEFILES/TUV.htm>

### Niue's Maritime Legislation deposited with the UN in 2014

**NIUE**

**TERRITORIAL SEA BASELINE OF NIUE**

■ **Contiguous Zone Outer Limits Notice 2013, No. 2013/0C**

■ **Exclusive Economic Zone Outer Limit Notice 2013, No. 2013/0D**

■ **Continental Shelf Outer Limit Notice 2013, No. 2013/0E**

**MARITIME LIMITS OF NIUE**

**International Declaration -**  
<http://www.un.org/Depts/los/LEGISLATIONANDTREATIES/STATEFILES/NIU.htm>

**Cook Is deposited its EEZ and MB Treaties with the UN in July 2014**

**COOK ISLANDS**  
Updated 26 August 2014

**SUBMISSION IN COMPLIANCE WITH THE DEPOSIT OBLIGATION**

- M.Z.N. 95, 2012, LOS of 13 August 2012:** Deposit of lists of geomorphic features of the Cook Islands and the Government of Niue concerning the Outer Limits of the Exclusive Economic Zone of the Cook Islands.
- M.Z.N. 104, 2014, LOS of 30 June 2014:** Deposit of lists of geomorphic features of the Cook Islands and the Government of the Republic of Kiribati concerning the Outer Limits of the Exclusive Economic Zone of the Cook Islands.
- M.Z.N. 105, 2014, LOS of 30 June 2014:** Deposit of lists of geomorphic features of the Cook Islands and the Government of New Zealand concerning the Outer Limits of the Exclusive Economic Zone of the Cook Islands.
- M.Z.N. 107, 2014, LOS of 04 August 2014:** Deposit of a complete declaration of the Exclusive Economic Zone of the Cook Islands.

**EXCLUSIVE ECONOMIC ZONE OF THE COOK ISLANDS**

**LEGEND**

- Point Identifies on the Exclusive Economic Zone
- Dashed Maritime Boundary Treaties
- Outer Limits of the Exclusive Economic Zone (High Seas)
- Territorial Sea Baseline of the Cook Islands

International Declaration - <http://www.un.org/Depts/los/LEGISLATIONANDTREATIES/STATEFILES/COK.htm>

**Updated Maritime Legislation for Kiribati deposited with the UN in December 2014**

**INTERNATIONAL DECLARATION**

- Maritime Zones (Declaration) Act, 1963 - Part 1: Territorial Sea and the Exclusive Economic Zone**
- Maritime Zones (Declaration) Act 2011**
- Territorial Sea Baselines of Kiribati Regulations 2014 (Pending)**
- Baselines around the Archipelago of Kiribati Regulations 2014**
- Closing Lines Regulations 2014**
- Territorial Sea Outer Limits Regulations 2014**
- Contiguous Zones Outer Limits Regulations 2014**
- Exclusive Economic Zone Outer Limits Regulations 2014**

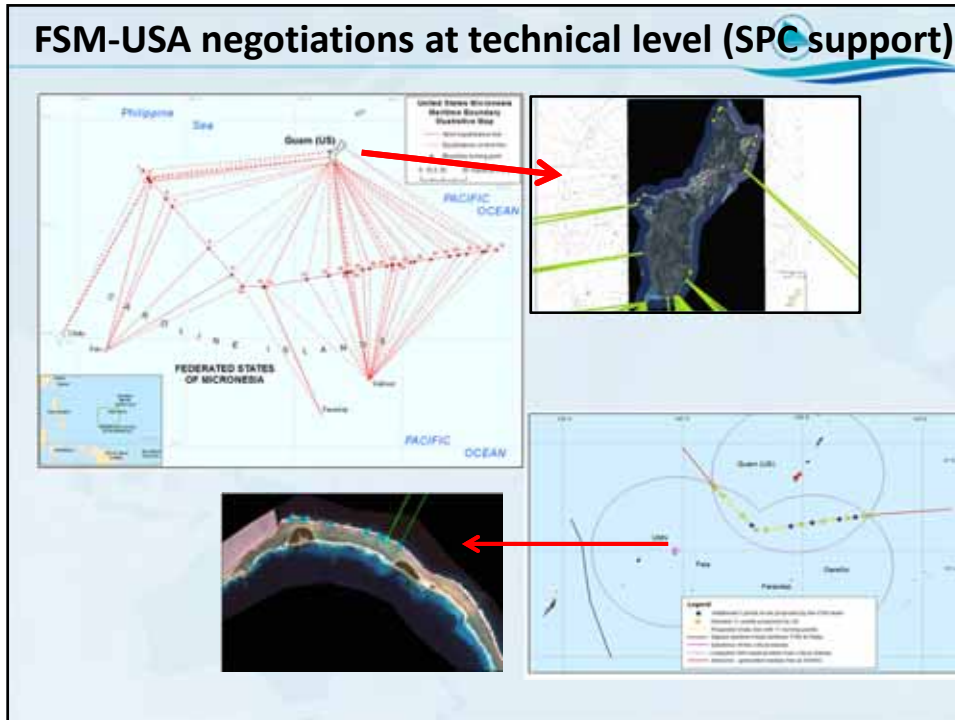
**MARITIME LIMITS OF KIRIBATI (PHOENIX GROUP)**

**MARITIME LIMITS OF KIRIBATI (LINE GROUP)**

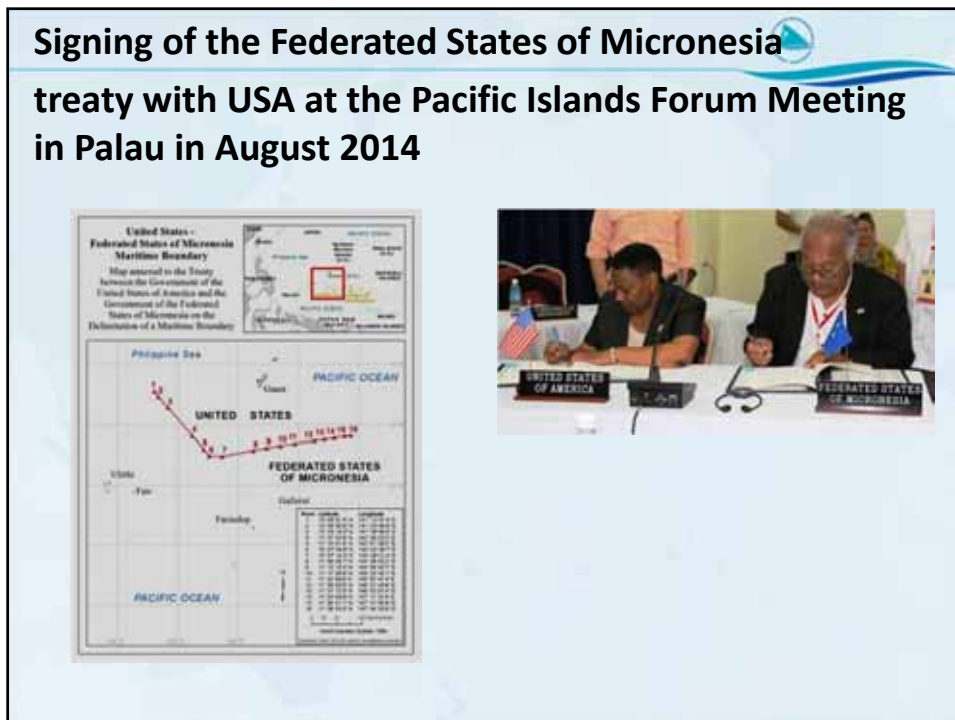
International Declaration - <http://www.un.org/Depts/los/LEGISLATIONANDTREATIES/STATEFILES/KIR.htm>



## FSM-USA negotiations at technical level (SPC support)



## Signing of the Federated States of Micronesia treaty with USA at the Pacific Islands Forum Meeting in Palau in August 2014



## Fiji-Tuvalu Maritime Boundary

In October 2014, the PMs of Fiji and Tuvalu settled and signed a maritime boundary agreement between both countries with the technical support from SPC's Regional Maritime Boundaries Project and its regional partners



## Fiji-France-Tuvalu Maritime Boundary

- In December 2014, the senior technical and legal officers from Fiji, Tuvalu and France (concerning Wallis & Futuna) discussed and agreed in principle to settle their respective maritime boundaries with the technical and legal support from the Regional Maritime Boundaries Project and its partners.
- FFA provided funding support for the technical and legal teams from Fiji and Tuvalu to this meeting which was hosted at the Commonwealth Secretariat office in London, UK.

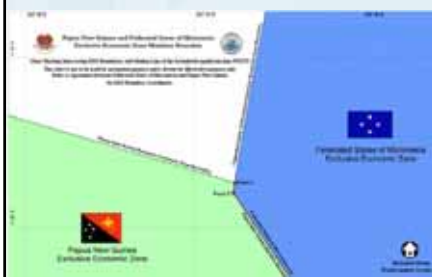
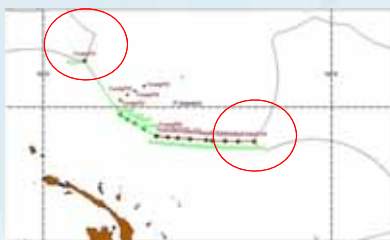


## Fiji-France-Tuvalu Maritime Boundary

Maritime Boundary Agreement was formalised by exchange of letters signed by the leaders from the 3 countries in Suva, Fiji on the 16<sup>th</sup> September 2015



## Amendment of the 1991 Treaty between FSM & PNG (this year)



## Signing of the amendment of the maritime boundary agreement between the Federated States of Micronesia and Papua New Guinea: Pacific Islands Forum Meeting in PNG, September 2015



## Overall Regional progress

2002



2015



## Issues

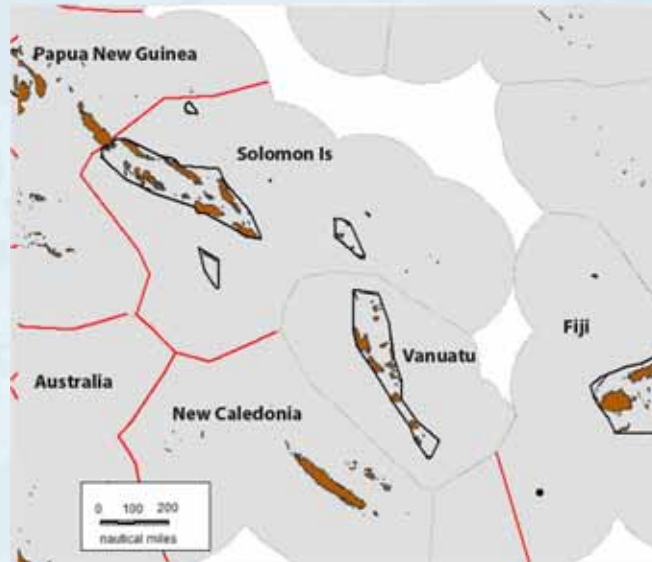
- Requires the **political recognition of its importance and the support** of National Governments (ground work has taken the past 10 years of this project)
- There **are certain technical and legal capacity constraints** within the project teams (trained staff get promoted internally)
- **Sovereign issue** but it is heavily dependent on **regional support and assistance** (cost of field surveys to collect data, purchase of satellite imagery, etc.)
- **National Maritime Laws and Legislation needs to be reviewed** and updated to reflect the technical datasets being used to develop the baselines and maritime zones
- Better **regional coordination and closer collaboration** between regional organisations to provide better service to national Governments
- The 10 project countries who have submitted their claims for Extended Continental Shelf (under Article 76 of UNCLOS) are facing **capacity constraints** in the process of the defence of these claims to the UN.

## Why is it important?

Enduring boundary solutions must be developed in a way to serve multiple needs:

- Fisheries management
- Deep sea minerals development
- Security
- Biodiversity
- Conservation
- Research
- Transport
- Vessel monitoring

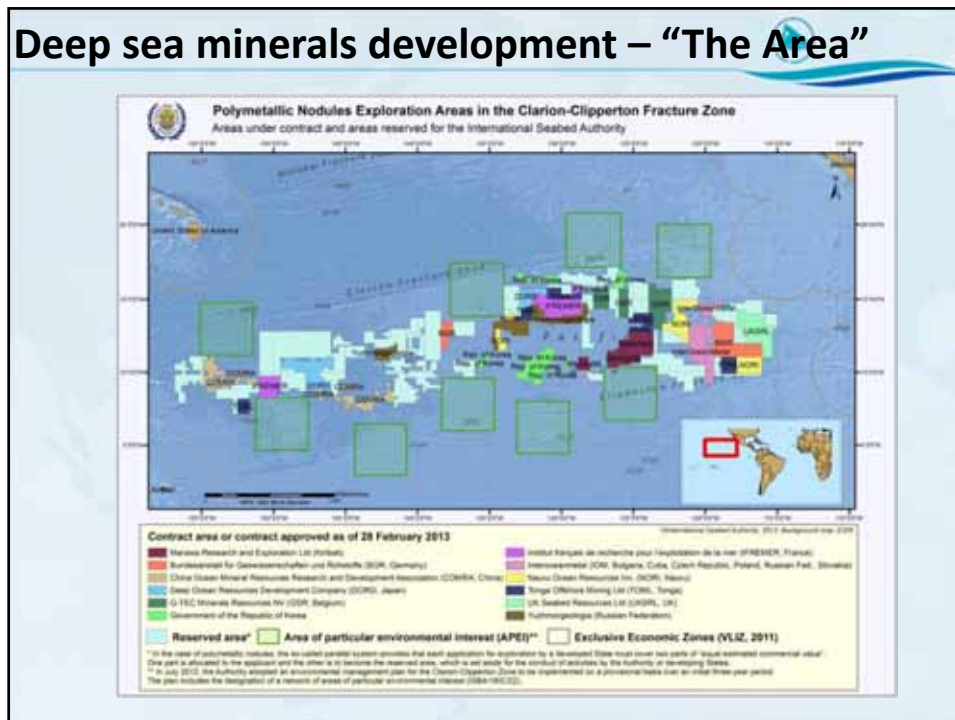
## Fisheries management



## Deep Sea Minerals Development



## Deep sea minerals development – “The Area”




## Future Directions (for Project)

- Build on a common platform to share legal MB, Treaties (GIS layers) with other stakeholders (FFA –VMS, etc.)
- Current funding mechanism (via the Enhancing Pacific Ocean Governance – EPOG) from Government of Australia for the regional workshops ceases in 2016
- Currently, SPC and FFA (leading agency) are working together to include this important project as part of the concept note under the EDF 11 Project for next 5 years

## SPC's Project partners

- PICs technical teams
- **Government of Australia, New Zealand** for funding Project Unit activities within SPC to achieve its successful outcomes at the national levels.
- **Australian Government Attorney General's Department & Forum Fisheries Agency** - legal & drafting support for legislations & treaties development
- **Geoscience Australia & GRID Arendal** – technical support
- **Commonwealth Secretariat** - purchase of high resolution satellite imagery for baseline development, negotiations and ECS submissions support to the UN

Since July 2007, the Pacific Islands Maritime Boundaries Unit has been working with country teams, Geoscience Australia & other technical partners in a series of ECS claims development workshop – more than 100 days of face to face training with PICs. The Government of Australia grants and the good will of many people and institutions have been instrumental facilitating these workshops – however there is still a long way to go.



February 2015



**Vinaka**

**Any questions?**

<http://gsd.spc.int/regionalmaritimeboundaries>

SPC CPS  
DEPARTMENT OF THE PACIFIC COMMUNITY  
ADVANCING COOPERATION AND COLLABORATION IN THE PACIFIC

The Commonwealth

GRID  
ARENDAL  
A Centre Collaborating with UNEP

FFA

The University of Sydney

Australian Government  
Attorney-General's Department

Australian Government  
Geoscience Australia