Pacific Geospatial and Surveying Council (PGSC)

Pacific Community Communauté du Pacifique

















Mr Vaipo Mataora, Chair - PGSC Ms Meizyanne Hicks, Vice Chair - PGSC Supported by: SPC Partnership Desk Email: pgsc_desk@spc.int http://pgsc.gem.spc.int/













What is the PGSC?

Pacific Geospatial & Surveying Council

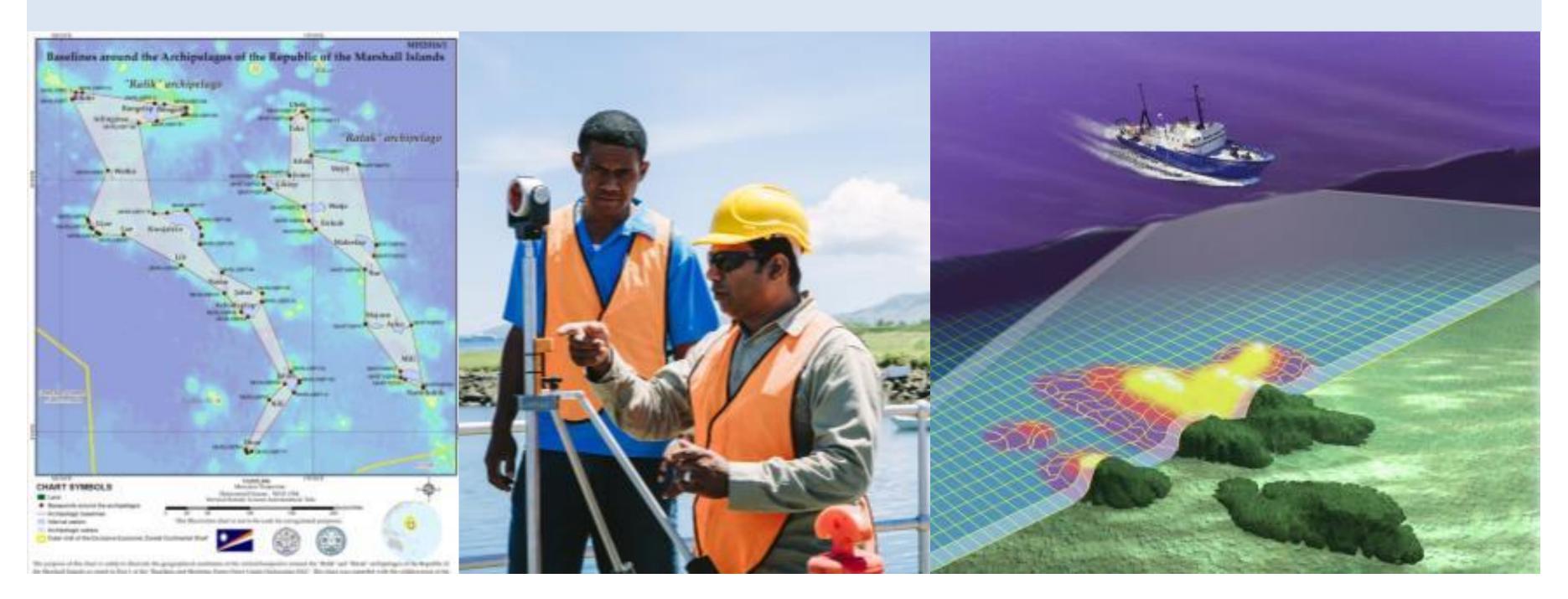
- Independent regional body advancing geospatial and surveying standards and capacity
- Established in the margins of the Pacific GIS/RS User Conference in November 2014
- Governed by the PGSC Charter
- Implementing and monitoring progress against the PGSC Strategy (2017-2027)
- Supported by PGSC Partnership Desk (GEM Division of SPC)
- Recognised Nationally, Regionally and Globally





Vision

Sustainable development in the Pacific enabled by world class geospatial information and surveying services





Mission

Pacific Island survey and geospatial services, including hazard mapping, urban planning, cadastre mapping, hydrography, and other geospatial requirements for sustainable development, are sufficiently resourced to respond to member country priorities.





PGSC Charter

- Drafted by committee in 2014 at inaugural PGSC meeting
- Endorsed by 11 Pacific
 Governments at Ministerial
 Level in 2015-2016
- Endorsed by Fiji at Cabinet Level in 2016
- PW, NR, PG & French Territories have shown interest after OGS: NC, PF

GOVERNEMENT DE LA REPUBLIQUE DU VANUATU SERVICE DES TERRES, SERVICE TOPOGRAPHIQUE, REGISTREMENT DES HYPOTHÈQUES

> SAC POSTAL RESERVE 9090 PORT VILA TELEPHONE: (678) 22892 FAX: (678) 22708 E-MAIL: iands@vanustu.gov.vu

GOVERNMENT OF THE REPUBLIC OF VANUATU DEPARTMENT OF LANDS, L/ SURVEY AND LAND REGIST

PRIVATE MAIL BAG 9090

PORT VILA TELEPHONE: (678) 22892

FAX: (678) 22708

E-MAIL: lands@vanuatu.gov.vu

æ

New States

29th April 2015

COOK

ISLANDS

HON. RALPH REGENVANU MINISTER OF LANDS & NATURAL RESOURCES

Re: Seeking Endorsement of Pacific Geospatial and Surveying Council Charter

Dear Hon. Minister,

As geospatial technology has improved over the last few decades, Pacific governments have come to rely more and more upon accurate mapping to inform decision-making around the issues of coastal development, natural resource management, disaster risk reduction and climate change adaptation. In order to continue to improve these services, it is critical that our regional geospatial resources are further developed.

At last year's Geographic Information Systems/ Remote Sensing Conference in Suva (November 23-27), lands and ocean survey representatives from across the Pacific gathered to discuss and outline a strategy for advancing geospatial information and improving collaboration and coordination of activities in the region.

One of the key outcomes of this meeting was the resolution to establish a regional body of surveyors- the **Pacific Geospatial and Surveying Council** (PGSC). The purpose of such a regional body is to address regional challenges, such as training and capacity building, as well as to further development and standardisation of geospatial information gathering, dissemination, and application. This resolution has been a long time in the making and was, in fact, one of the recommendations from the **Pacific FIG** (International Surveyors Federation) **Symposium** in 2013, in a document called *The Suva Statement on Spatially Responsible Governance.*"

Honorable Minister, a copy of the proposed PGSC Charter is attached for your review and endorsement.

Recommendations

- That the Pacific Geospatial and Surveying Council (PGSC) Chai
 That Martin Sokomanu, Surveyor General is appointed as rep
- of Vanuatu to the Pacific Geospatial and Surveying Council.

3. That your decisions on (1) and (2) above are relayed to the S

Please feel free to contact me with any concerns, questions or suggestions regarding this document. I look forward to your positive response and appreciate the opportunity to represent Vanuatu as we lead this important regional initiative.





Office of the Prime Minister

MEMORANDUM

To:	Permanent Secretary	for Lands and Mineral Resources	172
			117/04

From: Secretary to the Cabinet

Date: 18 April 2016

Subject: Cabinet Decision

Enclosed please find Cabinet Decision No.78 on the subject of Pacific Geospatial and Surveying Council for insertion in File No. 1/1/2686 or in an appropriate file.

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	CP (2016): <u>Written Opinion</u> Date: <u>13/04/16</u>		
	SOLOMON ISLANDS	DECISION [*] April, 2016 FSN	N
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	MARSHALL ISLANDS	FIJI	
:		in Kiran (Ms)	
	Secretary	y to the Cabinet	

4th PGSC Meeting 2018 – Tonga



Chair Actg. CEO - Ministry of Lands and Natural Resources (Tonga) Vice-Chair Ms Meizyanne Hicks, Director Geospatial - Ministry of Lands and Mineral Resources (Fiji)





5th PGSC Meeting 2020 – Virtual









PGSC Strategy



The late Prime Minister, Hon. Samiuela 'Akilisi Pōhiva launched the world's first regional strategy for surveying & geospatial development on 10 April 2018 in Nuku'alofa, Tonga Also pictured, the Australian High Commissioner, New Zealand High Commissioner, Japanese Consulate, UNGGIM, and the Pacific Community (PGSC Partnership Desk)





5th PGSC Meeting 2020 – Outcome Statement

Recognises the critical importance of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) Integrated Geospatial Information Framework (IGIF), and support the Council members in the operationalisation of the IGIF.

Encourages members to access the resources and tools of the UN-GGIM Secretariat for the IGIF and agree for the Council to establish a sub-regional collective modality for the IGIF to support the design, development and operationalisation of country action plans for the members.

Recognises the Moganshan Declaration "The Geospatial Way to a Better World" of 2018 and **adopts** the Talanoa Outcome Statement on Earth Observation Cooperation in the Pacific made on Tuesday 5th November 2019, Australia, during the Group on Earth Observations (GEO) Week 2019 in Canberra, Australia.

Encourages council members to become members of the GEO, and further **agrees** for the PGSC to be the collective regional voice for Earth Observations in the Pacific.

Recognises the United Nations Decade of Ocean Science for Sustainable Development (2021-2030) and encourage PGSC members to align the activities of geospatial and surveying to UN SDGs.

Recognises to commend the participation of the UN-GGIM, UN-GGIM AP, UN-GGIM ETCB, GA, FIG-APCDN, LINZ, SSSI, S+SNZ and NGS-NOAA for their support and resources available to PGSC.

Refer to PGSC-5-Outcome-statement-and-declaration-Final-1.pdf (spc.int)





PGSC Plenary Session 2022

- PGSC Strategy (2017 2027)
- Pacific Geospatial Women Network
- **PGSC Working Groups**
- PGSC Support and the Partnership Desk
- UN-GGIM Integrated Geospatial Information Framework Country Action Plan
 - Fiji, Kiribati and Tonga

















PGSC Plenary Session 2022

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6th PGSC Meeting – Sydney Australia

PGSC Business Meeting (11th December 2023)

- Council Elections
- 5th PGSC Meeting Minutes
- PGSC Review of Charter
- Terms of reference: -
 - PGSC Women Network
 - PGSC Young Surveyors Geospatial Network
- PGSC Working Groups
- PIC Country Updates
- PGSC Action Items







6th PGSC Partners Meeting - 12th Dec 2023

Regional Updates Global Updates 1. SPC Case study on Data Handling & Requirements 2. SPC Geospatial & Surveying Activities Information) **Bureau of Meteorology Australia** (COSPPac) 3. 4. GA (Geoscience Australia) GCA (Geospatial Council Australia) 5. **LINZ** (Land Information New Zealand) 6. **S+SNZ** (Survey and Spatial New Zealand) **8. AHO** (Australia Hydrographic Office) **SWPHC** (Southwest Pacific Hydrographic 9. **Regional Initiatives** Commission) 20. Fugro **10. NIWA** (National Institute of Water & Atmospheric) **21. IIC Technologies 11. GTEWS** (Global Navigation Satellite System Tsunami Early Warning Systems) – IUGG Initiatives 22. Land Equity International **12.** Australian Consulting Surveyors Network





- **13. FIG AP CDN** (Asia Pacific Capacity Development Network)
- 14. UN GGIM (Working Group on Marine Geospatial
- **15. UN GGIM Sub-committee on Geodesy (SCoG)**
- **16.** NOAA (National Oceanic and Atmospheric Administration)
- **17. IGS** (International GNSS Service)
- **18. IHO** (International Hydrographic Office)
- **19. UN GGCE** (Global Geodetic Centre of Excellence)
- **23.** Aaron Hicks (under New Zealand Volunteer Scheme)

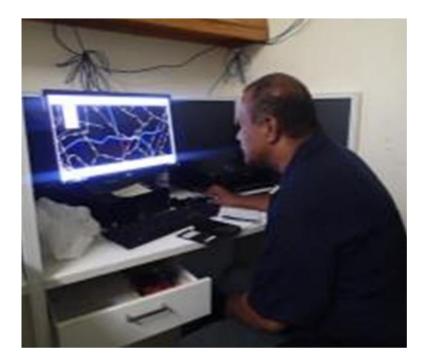
PGSC Working Groups

Positioning



Supporting countries to modernise their Geodetic Reference Frames and align to the Global model

Geospatial Policy & Data Management



Supporting countries to develop policies and tools for improved geospatial information and data management



Capacity Building



Supporting countries to build existing and future capacity through expanded professional development and educational opportunities

Strategic Partnerships

- **Donor** support from AU-DFAT, NZ-MFAT, UN-GGIM
- **Training** and **capacity support** from Geoscience Australia, LINZ, UN-GGIM-AP, FIG, UKHO, USP, UNOOSA, SPC
- **Equipment** and **infrastructure** support from GA, SPC
- **MoU** signed with S+SNZ (2018) and SSSi (2019)
- Links with key global and regional frameworks:
 - SDGs, UN-GGIM Roadmap, Sendai Framework, SAMOA Pathway, FRDP, FIG Suva Statement and Christchurch Declaration





Pacific and New Zealand surveying and geospatial professionals join forces for capacity development

10 Apr 2018 | Nuku'Alof.



MoU signed with S+SNZ April 2018



Countries:-	Name and Organisation:-	Responsible for:-	1771
Cook Islands	- Mr Vaipo Mataora, Director	- Geospatial and Hydrography	PUJL
Federated States of Micronesia	 Mr Carlson Diopulos, Director Mr Alfred Lebehn, GIS Manager 	SurveyingGeospatial	Pacific Geospatial and Surveying Council
Fiji Islands	 Ms Meizyanne Hicks, Director Mr Asakaia Tabua, Surveyor General Mr Jervis Robinson, Chief Hydrographer 	 Geospatial Surveying Hydrography 	Country
Kiribati	 Mr Tioti Taaitee, Director Mr Tion Uriam, Hydrographer 	Geospatial and SurveyingHydrography	Members
Marshall Islands	 Mr Scadrie Mijjena , Actg. Chief Surveyor Mr Benedict Yamamura, Chief Coastal Fisheries 	SurveyingGeospatial	
Niue	- Mr Richard Siataga, Division Head	- Geospatial and Surveying	
Nauru	- Mr Peniasi Nakautoga, Director	- Surveying	
Palau	 Ms Sterlina Gabriel, Director Mr David Idip, Director 	SurveyingGeospatial	
Papua New Guinea	 Mr Michael Gideon, Director Mr Nicholas Pion, Senior Hydrographer 	GeospatialSurveying	
Samoa	 Mr Petania Tuala, Principal Surveyor Ms Telesia Sila, Principal Mapping Officer 	SurveyingGeospatial	
Solomon Islands	 Mr Jimmy Ikina, Surveyor General Mr Perry Rukale, TO-Cartography 	Geospatial and SurveyingHydrography	
Tonga	 Mr Viliami Folau, Deputy CEO Mr Taaniela Kula, Deputy CEO Ms Halalilika Etika, Deputy CEO 	 Surveying Natural Resources Geospatial 	
Tuvalu	- Mr Faatasi Malologa, Director	- Geospatial and Surveying	
Vanuatu	 Mr Tony Kanas, Surveyor General Mr Toney Tevi, Director 	Geospatial and SurveyingHydrography	

PGSC Partnership Desk - SPC

- Surveying and Geospatial
- Remote Sensing
- Drone Operations
- Maritime Boundaries
- Geology
- Hydrography
- Oceanography
- Law and Policy
- Stakeholder engagement
- Training
- Communications
- Procurement
- Management
- Advocacy
- Capacity Development
- Resource Development



Pacific Geodetic Network (GNSS CORS)



DG Award for Member Collaboration Dec 2018





Pacific Geospatial Women Network (PGWM)



Partnership and Collaboration National, Regional and International **UN-GGIM Workshop, Singapore 2022**

Recent Activities

Tuvalu Geodetic Surveys - Nine (9) atolls (2016-2019)

GA donates GNSS equipment to PGSC Partnership Desk (2019)

Pre-campaign GNSS Operational Training for Fiji Lands (2019)

Survey team support for Fiji Geodetic Modernization Campaign (2019-2020) - Operational

GNSS Data Processing & Analysis – Tonga Survey Office (2019)

Virtual AUSPOS Training – Tuvalu Survey Team (2020)

Fiji Institute of Surveyors Website (2019)

Tuvalu Geodetic Surveys Data Processing, Analysis and Reporting (2020-2021)

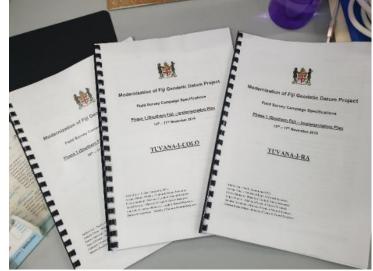
Fiji Geodetic Surveys Campaign Survey Data Compilation, Data Processing and Analysis (2020-2021)

Fiji Geodetic Datum Surveys Data Release (2022)

Tonga (Vava'u, Eua, Niuatoputapu) Geodetic Control Surveys – LiDAR (2022)

Vanuatu (Efate, Tanna, Malekula) Geodetic Control Surveys – LiDAR (2022)













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https://home.fijisurveyors.org/



Surveyors are professional people whose acceleric qualifications and post graduate training enable them to arbise or the management and use alfand and property, both runal and urban and whether developed or understand the legislation governing land and property the markets trading in it; the services supporting it) and the economics of construction, management, mel-tempore, accelering the markets trading on the services supporting it) and the economics of construction, management, mel-tempore, accelering the markets trading on the services supporting it) and the economics of construction, management, mel-tempore, accelering the markets trading to the services supporting its services.

Practice of the surveyor's profession involves a binod range of activities which may occur on, abave of below the surface of the land or the sea, and which may be carried out in association with other professionals.

FIJI INSTITUTE OF SURVEYDRS SURVEY CONORESS 2019 Agt I To gatt Audust 2012

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FORNT EVENTS

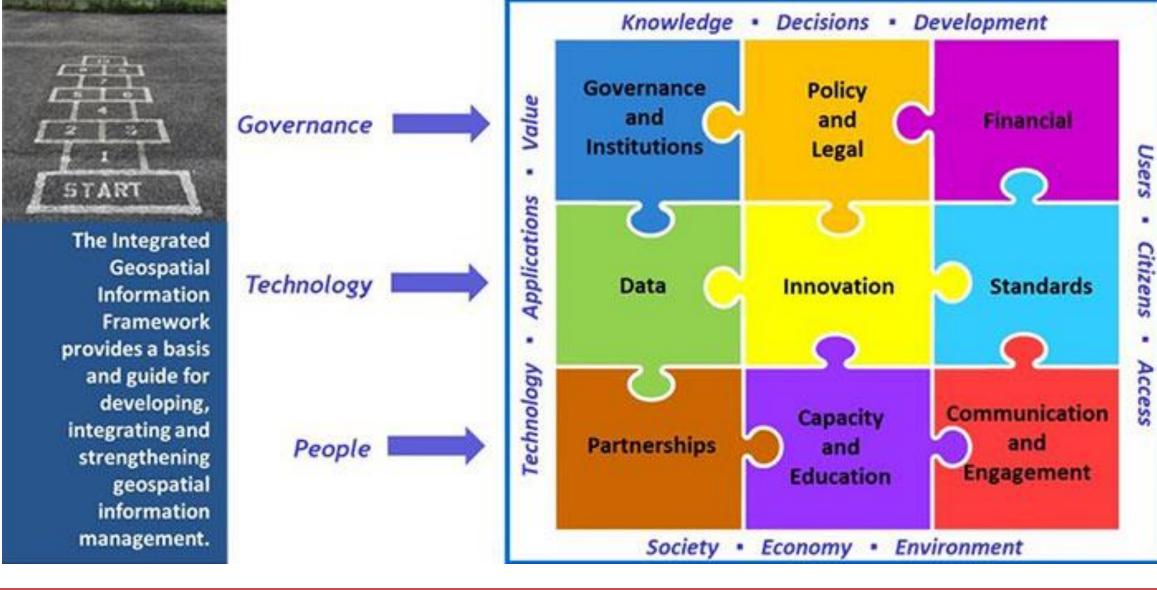
FIJI INSTITUTE OF SURVEYORS

PROFESSIONAL BODY

OUR SERVICES



United Nations Committee of Experts on Global Geospatial Information Management



Sub-committee on Geodesy

Expert Group on Land Administration and Management

Expert Group on Marine Geospatial Information



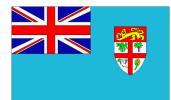


Anchored by 9 Strategic Pathways, the Framework is a mechanism for articulating and demonstrating national leadership in geospatial information, and the capacity to take positive steps.

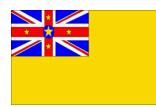


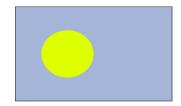
































United Nations Committee of Experts on Global Geospatial Information Management





STRENGTHENING GEOSPATIAL INFORMATION MANAGEMENT IN DEVELOPING COUNTRIES TOWARDS IMPLEMENTING THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT (PROJECT 1819D)

COUNTRY-LEVEL ACTION PLAN

TOWARDS STRENGTHENING ARRANGEMENTS IN NATIONAL GEOSPATIAL INFORMATION MANAGEMENT

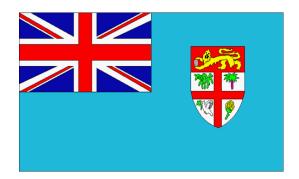




11TH TRANCHE DEVELOPMENT ACCOUNT PROJECT

ADDENDUM L

[Republic of the Fiji Islands]





United Nations Committee of Experts on Global Geospatial Information Management







KINGDOM OF TONGA STRENGTHENING ARRANGEMENTS TOWARD AN INTEGRATED GEOSPATIAL MANAGEMENT NATIONAL INTEGRATED GEOSPATIAL ACTION PLAN 2022 - 2026.





Kiribati and UN-GGIM IGIF

Experiences

- Employing team members to work on the CAP
- Understanding what needs to done
- Being determined
- Consultation with Stakeholders
- Approval from the highest level
- Sharing our journey with our friends in the Pacific region







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John Ny







Pathway 4 - DATA

Monstey of Londs and has

'Availability of High Quality Data is so critical for decision makers to understand where investments can have the greatest impacts' (Antonio Guterres, UN Secretary General).

SDG Data Alliance supports to establishing National SDG Data Hub Platform: To enable monitoring of achievement of the SDGs by goal, target and indicators (Source: SDG Data Alliance). SDG Data Hub Solution Template is configured using ArcGIS Online that organizes people, Data and Tools to accomplish initiatives and

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ESRI GIS Technology grant a professional packages for a count deployment(remoted/or on-site) included:

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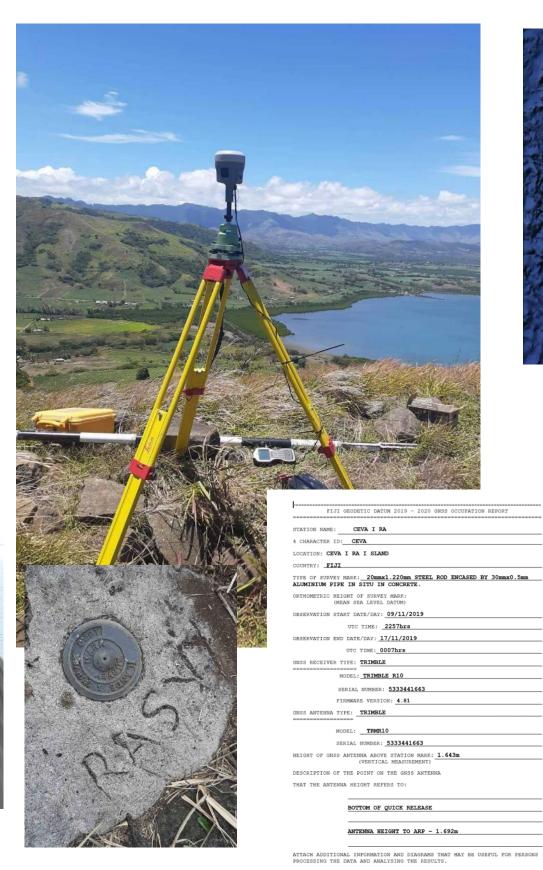




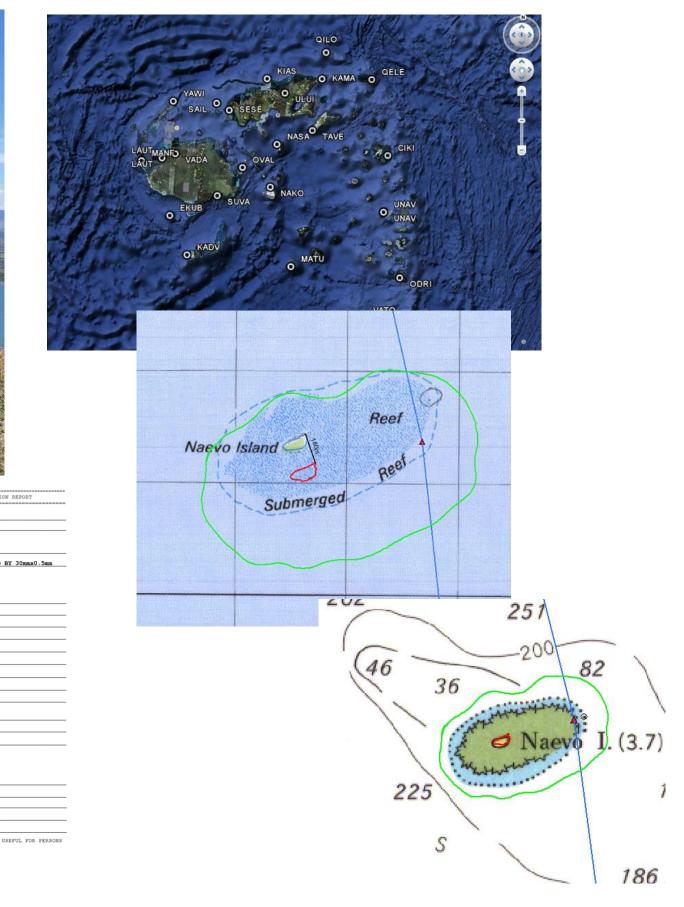
Positioning



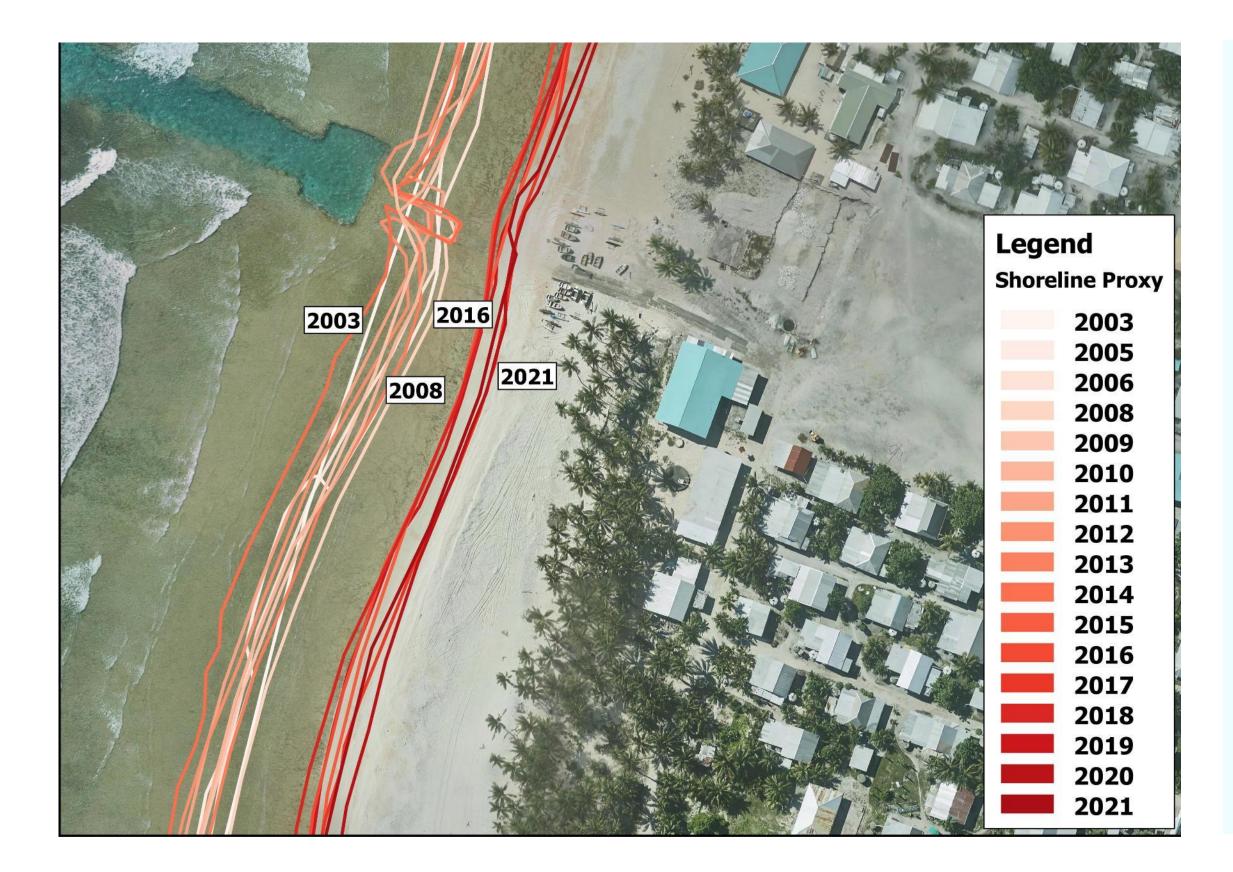








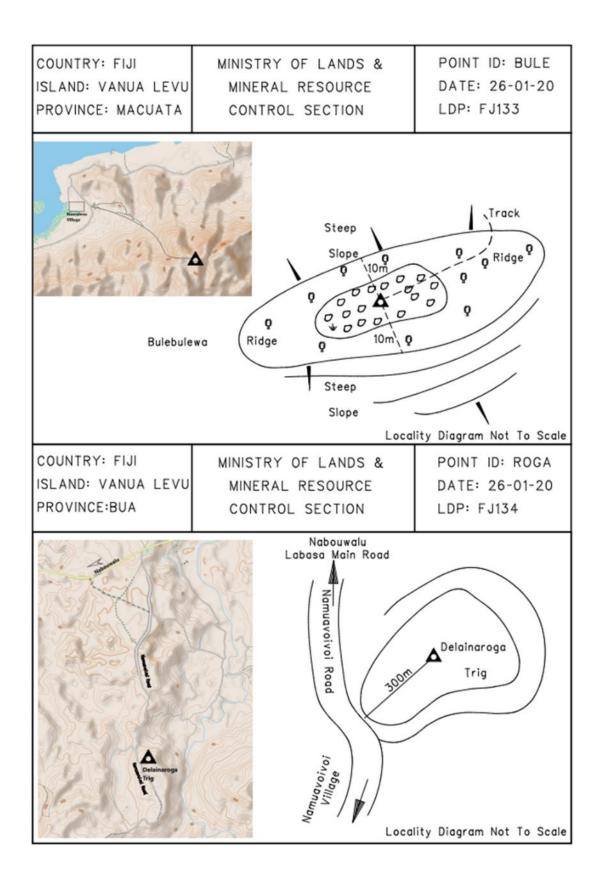
Geospatial







Geospatial Data Management



Fiji Geodetic Stations Survey Campaign Metadata																
Station ID	Station Name	Occupation Period	Interval	Receiver Type	Antenna 1	ype	Rinex Versio n	Vertical Ht (m)	Rinex Height	Antenna Method	Firmware	Checked By		perators		
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UV1	Suva	Continuous	1sec	Trimble NetR5	TRM55971.00		4.19			ARP			SPC			
ABC	Labasa	Continuous	1sec	VNET10T-D	HI-TARGET AT-5	53501	3.02			ARP	CJ00		CONTRO	L		
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DNOC	Ono-i-Lau	Continuous	1sec	Leica GR50	Leica AR20		3.02			ARP	4.11.606		CONTRO	L		
ADC ROTC	Kadavu Rotuma	Continuous Continuous	1sec	Leica GR50	Station ID	Start ti	ime	Duration	C	Campaign	File Name		NEX ersion	Ant Height	Ant Method	Ant Manufacture
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ALA	Korokoli (Moala)	7 DAYS	10sec	LEICA GPS 1200							16633201.1					
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тки	Matuku	7 DAYS	30sec	LEICA GPS 1200							42703190.1					
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Capacity Building





Communications & Community



Pacific Geospatial and Surveying Council

O Public group - 1.3K members

https://www.facebook.com/groups/3998884766792177/









Meizyanne Hicks shared a post. November 16 at 9:31 PM - 🕲

Promoting World GIS Day and the Geospatial field on Fiji TV this morning!



Ministry of Lands and Mineral Resources November 9 at 8:15 AM - 🕲

Leading up to the 2022 GIS Day on 16th November, the Geospatial Information Management team attended the breakfast show that aired live this morning. The theme ... See more

View insights	850 post reach $>$					
Celine Becker, Jeff Aquil	ina and 42 others		2 Shares			
பீ Like	Comment	🖨 Shar	re			
Write a public commen	t	900	000			





Home > Updates from SPC > Web Stories

Mapping our Pacific Geospatial Future

Suva 🛛 21 June 2022 🛛 💟 💼 🨭



Imagine a world without maps. It's hard to do. Humans are born map-makers, instinctively looking for landmarks, making sense of patterns, and forming connections when we venture beyond our known environment.

For this reason, geospatial science may be one of the most important fields of study you have ever heard of. Geospatial information is location information. At its simplest, this can be topographical information found on a map. But you can also add in layers of location-tagged data, to show changes or trends, for example, in land use, population density, vaccine distribution, or coral reef health over time.



2 Shares

Thank you

