



# **Fiji Geospatial Information Council**

## **Meeting Minutes**

Holiday INN Hotel, Suva

**Thursday 12th September, 2019: 9.00am – 1:00pm**

## Attendees

No.	NAME	ORGANISATION	DESIGNATION
1	Ministry/Organisation	Name	Designation
2	Ministry of Lands and Mineral Resources	Meizyanne Hicks	Director Geospatial Information Management(Chair)
3	Registrar Of Titles	Treta Sharma	Registrar of Titles
4	Ministry of Waterways and Environment	Sweta Kumar	Research Officer
5	Ministry of Waterways and Environment	Sharon Sukh Mani	Technical Assistant
6	Ministry of Housing and Community Development	Mr Sushil Kumar	Senior Technical Officer
7	Ministry of iTaukei Affairs	Charles Ryland	Principal Technical Officer
8	Ministry of Agriculture	Ms Virisine Lalasava	
9	Ministry of Agriculture	Ms Sainiana Kirisitiana	
10	Ministry of Agriculture	Ms Lanieta Vakadewabuka	
11	Ministry of Forest	Ms Deborah Sue	Director Forest Resource Assessment and Conservation
12	Ministry of Forest	Mohammed Abdullah Bin Shorab	GIS Officer
13	The Government Statistician	Kemueli Naiqama	Government Statician
14	The Director of Town & Country Planning	Masilina B. Rokowati	Technical Officer II
15	Director Poverty Monitoring, Ministry of Social Welfare	Jovesa Matakasa	GIS Officer
16	The Director Fiji Meteorological Services	Rovil Kumar	Scientific Officer (GIS)
17	iTaukei Land Trust Board	Mr Epeli Ravula	Manager Information Technology
18	iTaukei Land Trust Board	Mr Isireli Buwawa	Geographic Information Coordinator
19	iTaukei Land Trust Board	Mr Peni Raiwalui	Geospatial Information Officer (Central/Eastern)
20	iTaukei Land Trust Board	Wili Sau	Estate Assistant I
21	Fiji Police Force	Mr. Uate Raogo	Manager IT
22	Fiji Correction Services	Ilisoni Vucago	
23	Fiji Roads Authority	Nemaia Koto	
24	Telecom Fiji Limited	Mr. Miti Roiroi Delasau	Team Leader Access Planning
25	National Fire Authority	Dennis Quesada	
26	Housing Authority of Fiji	Iliesa Rakaseta	
27	Fijian Election Office	Viliame Vuiyanuca	Coordinator
28	The University of the South Pacific	Nicholas Rollings	
29	Fiji National University	Rohitesh Prasad	
30	Ministry of Defence	Kuliniasi Tukutukuwaqa	
31	Ministry of Lands and Mineral Resources	Taraivini Ratumudu	
32	Ministry of Lands and Mineral Resources	Rigieta Ravuiwasa	
33	Ministry of Lands and Mineral Resources	Sereima Koli	
34	Ministry of Lands and Mineral Resources	Vani Dakuwaqa	
35	Ministry of Lands and Mineral Resources	Asakaia Tabua	

	Resources		
36	Ministry of Lands and Mineral Resources	Shaneel Prakash	
37	Ministry of Lands and Mineral Resources	Viliame Waqa	
38	Ministry of Lands and Mineral Resources	Vilimone Raqona	
39	Ministry of Lands and Mineral Resources	Emily Smith	SLO(Planning)
40	iTaukei Affairs Board	Scott Sheridan	Village Survey Consultant
41	Digital Fiji	Wong Kar Hong	Principal Consultant
42	UNITAR	Leba Gaunavinaka	In-Country Coordinator
43	iTaukei Affairs Board	Pauliasi W	Network Administrator
44	iTaukei Affairs Board	Sefton H. Motufaga	Senior Data Analyst
45	iTaukei Affairs Board	Jone Drole	Executive Officer
46	Ministry of Lands and Mineral Resources	Timoci Samisoni	Manager Finance
47	MOIT	Makereta T	A/PWSO
48	MITDMMS	George T	ADSO
49	Registrar Of Titles	Treta Sharma	Registrar of Titles
50	Registrar Of Titles	Deepika Nand	CO
51	Ministry of Lands and Mineral Resources	Keleni R	A/STO
52	SPC	Litia G	
53	SPC	Andrick Lal	
54	Ministry of Lands and Mineral Resources	Marika Ritova	Principal Scientific Officer(Survey)

## 1. Welcome

- 1.1. **Meizyanne Hicks** as the chair for the meeting welcomed all those present to the first quarterly meeting for the government's financial year especially the council members, observers and the senior representatives. She apologised on behalf of the chair (PS LMR) as he was away attending the Permanent Secretaries retreat.

## 2. Opening Remarks

- 2.1. The chair on behalf of PS LMR, gave the opening remarks outlining the following:
  - 2.1.1. Geospatial Information products, technologies and services has become critical data sources and tools to support national development, economic growth, improved evidence based decision making and policy formulation and also has enhanced the ability for the government to analyse, model, monitor and report on humanitarian peace and security, sustainable development, climate change and disasters and other development challenges from local to global scales.
  - 2.1.2. Geospatial information field requires working in close collaboration to collect, maintain and update geospatial information.
  - 2.1.3. The councils task is to ensure that sound direction using the National Geospatial Information Management Strategy is provided and part of the councils contribution is to manage, provide up to date, reliable geospatial information and as a sustainable national development plan in all sectors and also contributing to the Sustainable Development Goals(SDG).
  - 2.1.4. The implementation of the strategy will have the following direct national benefits:
    - 2.1.4.1. Reduction in duplication efforts in capturing the fundamental geospatial data and information
    - 2.1.4.2. Authoritative, reliable and maintained geospatial data made available
    - 2.1.4.3. Increase return on investment through better coordination, use and reuse of data, information and systems.
    - 2.1.4.4. Better evidence based decision making, supported by good data and policy.
    - 2.1.4.5. Increase collaboration and integration of national data.
- 2.2. Moment of silence was observed for the council member, Late Ms Loata Vakacegu, for her contributions made to the council.

## 3. Review of the last meeting minutes (meeting held on 15/05/2019)

- 3.1. The review for the last meeting minutes was done and Mr Vuiyanuca moved that the meeting minutes were true and correct.
- 3.2. **Actions points**
  - 3.2.1. Name of the Datum
    - 3.2.1.1. **Mr Andrik Lal, SPC**, updated the forum that the name that has been proposed is "Fiji Geodetic Datum 2020". He added that the field campaign will start in December.
  - 3.2.2. TOR to be mailed to the council members and welcome comments
    - 3.2.2.1. **Mr Koto, FRA**, suggested that if the members of the respective assigned goals can comment on the TOR.
    - 3.2.2.2. **Mr Ravula, TLTB**, suggested that if the TOR can include the frequency of the meeting.
    - 3.2.2.3. The chair stated that the TOR is generic for each of the working groups
    - 3.2.2.4. The council agreed to have the meeting once every month and also endorsed the TOR.

3.2.3. Check with Budget unit on the cost sharing possibility for “Whole of Government ArcGIS licence”

3.2.3.1. The chair update the forum that memo has been sent to the interested ministries and has received only 2 response.

3.2.3.2. Ministry of Lands and Mineral Resources will put a budgetary proposal to get the fund for the whole of government ArcGIS licence for the next financial year.

3.2.4. Needs assessment and gap analysis workshop to be organised in June

3.2.4.1. The workshop was conducted on 8<sup>th</sup> July, 2019 at Tanoa Plaza.

3.2.4.2. Awaiting finalisation on the implementation guide from UN based on the information provided.

#### 4. **Presentation 1 : CommonSensing Project Updates**

*(Ms Leba Gaunavinaka - In-Country Specialist, UNOSAT)*

4.1. The presentation highlighted the following:

4.1.1. CommonSensing is an innovative three year project that the Fijian Government has embarked on based on a partnership with the UK Space Agency’s International Partnership Program (IPP) and is aimed at leveraging satellite technology and satellite derived products to support Commonwealth nations in the Pacific - Fiji, Vanuatu and Solomon Islands in four thematic areas

4.1.2. Implementing Partners, end user, beneficiaries and stakeholders

4.1.3. Framework that will be employed during the project and the completed inception phase

4.1.4. The current status of the project

4.1.4.1. Ms Gaunavinaka added that the cabinet paper has been endorsed by cabinet and the MOU was signed by PS Economy on behalf of Fiji Government with the CommonSensing partner.

4.1.5. Envisioned products

4.1.5.1. Climate Information Decision Support Tool

4.1.5.2. Computational Simulation of Agricultural Systems [Sugar, Taro, Rice, Cassava, Kava]

4.1.5.3. Inform Index – Sub-national Level (districts)

4.1.5.4. Three new layers on Open Data Cube [Spatial Temporal Analysis, Elevation]

4.1.6. Technical Training/Capacity Development – Fijis First Mapathon event and Geoinformatics for Climate Change Adaptation and Disaster Risk Reduction Application

4.1.7. Upcoming Event:

4.1.7.1. Thematic Technical Training - Climate Learning for Adaptation and Resilience’ (CLEAR) Workshop.

4.1.7.2. CommonSensing Workshop

#### 4.2. **Discussion and Questions**

4.2.1. Mr Vuiyanuca, FEO, sought clarification on the unmapped building and if there are any standards used for this mapping.

4.2.1.1. **Response:** Ms Gaunavinaka, responded that they are using the guideline from open street maps in relation to the line style and other mapping attributes.

4.2.2. The chair questioned on what plans are put in place to ensure that the project outputs, objective and tools are maintained after the project comes to an end.

4.2.2.1. **Response:** the CommonSensing Team is planning to have 3 staff seconded from the government; one from Ministry of Lands, Ministry of Agriculture and NDMO to assist in the capacity building and knowledge transfer once the project is completed.

5. **Presentation 2 : Update of the 9th Session of the Committee of Experts of the United Nations Global Geospatial Information Management (UNGGIM)**

(Ms Meizyanne Hicks- Director Geospatial Information Management)

5.1. The presentation highlighted the following:

5.1.1.1. **About the UNGGIM, 9<sup>th</sup> Session and the Outcomes**

5.2. **Discussion**

5.2.1. Mr Scott Sheridan, iTaukei Affairs Board, asked as to which regional meeting does Fiji come under

5.2.1.1. **Response:** Ms Hick responded that Fiji falls under Asia pacific and added they will be having their meeting in November this year.

5.2.2. Mr Koto, FRA, sought clarification on the implementation guide.

5.2.2.1. **Response:** Ms Hicks responded that the implementation guide is second part of the Integrated Geospatial Information Framework and 2 out of the 9 strategic pathways are being finalized.

6. **Presentation 3: Geospatial Degree Programme Updates - USP.**

(Dr Nick Rollings- Associate Professor- USP)

6.1. The presentation highlighted the following:

6.1.1. Geospatial Science Stream (Developer, Analyst and Major)

6.1.2. Geospatial Science pathway

6.1.2.1. 1994 – Certificate and Diploma in Geospatial Science

6.1.2.2. 2015 - Bachelor Geospatial Science

6.1.2.3. 2019 - The Master of Geospatial Science

6.1.3. GIS Conference and Capacity building - South Pacific Robotics Conference , 5th Pacific Urban Conference, Open Street Mapathon

6.2. **Discussion**

6.2.1. Mr. Kar, DGT, enquired on the ethics and governance units that was part of the Geospatial Degree Program

6.2.1.1. **Response:** Dr Rolling explained that the ethics and governance units are mandatory units that the under graduate students need to undertake in order to complete any Bachelor's degree in USP to balance the knowledge of the student.

6.2.2. Mr. Vuniyanuca, FEO, enquired on whether ST 130(statistics unit) is something to do with population demographics.

6.2.2.1. **Response:** Dr Rollings responded that ST130 is part of the Faculty of science and technology but some of the students have taken Geospatial and statics majors.

6.2.3. Ms. Hicks, enquired on whether USP has any plans to have an outreach to the organization, who plans to have a GIS setup, to absorb the graduates that will be completing the program. She also enquired on

whether a trainer was brought to Fiji for the CASA drone pilot certification or the students had to go abroad and the duration of the training.

6.2.3.1. **Response:** *Dr Rollings responded at present it's more informal process but will formalize to carry out this out reached to organizations. For the CASA drone pilot certification, the trainers were brought over to Fiji but for certification, the flying test has to be done on the Australian Soil and the training duration is for 5 days.*

6.2.4. Mr Rakaseta, Housing Authority, questioned on whether the drones have LIDAR capability and does USP do consultancy work outside USP.

6.2.4.1. **Response:** *Dr Rollings responded that drone at the moment does not have any LIDAR capability but will be happy to get functionality on the drone provided if the organizations are willing to contribute and purchase.*

6.2.5. The chair added that the geospatial degree program was one of the national development goals and thanked Dr Rollings for assisting in achieving the goal.

## 7. **Presentation 4: Digital government transformation programme of the Fijian Government -**

*(Mr. Wong Kar Hong- DGT)*

7.1. The presentation highlighted the following:

7.1.1. Using GIS Data to communicate with the citizens on the threat of Global Warming – Rising Sea Level

7.1.2. Background and Purpose

7.1.2.1. Improved internal processes and efficiency

7.1.2.2. Increased public confidence in government service delivery

7.1.2.3. Catalyse Fiji's transformation into a digital economy

7.1.3. Scope of Fiji Geospatial Data Sharing Study and deliverables

7.1.4. The Singapore Land Data Hub Experience

7.1.5. Real Life Applications of Geospatial Data for the Citizens

7.1.6. The journey of land hub in Singapore

7.1.7. Challenges and Difficulties and Solutions – Singapore vs National Geospatial Strategy

7.1.8. Benefits of Data Sharing – Cost Savings, New and Better Service to citizens and Innovations

7.2. **Discussion**

7.2.1. Mr Sharma, Ministry of Housing and Local Government, enquired on the possibilities of calculating the area using the OneMap system and also on the possibilities of gathering the underlying services and the conditions of the services.

7.2.1.1. **Response:** *Dr Kar responded by saying that this data all this data is available on the central data hub on a computer system and is accessed on request basis.*

## 8. **Presentation 5: Presentation on Village Profiling**

*(Scott Sheridan- iTaukei Affairs Board)*

8.1. The presentation highlighted the following:

8.1.1. Village Profiling and Analysis of data using Tableau Software

8.1.2. Next phase - Integrated Village Development Plans and Raising awareness of the Village Profile Data

## 9. Presentation 6: 2020 NATIONAL AGRICULTURE CENSUS

(Ms Sainiana Kirisitiana –Senior Statistic Officer))

9.1. The presentation highlighted the following:

- 9.1.1. What is agriculture census and why conduct it?
- 9.1.2. Which areas will be covered during the senses, the information to be collected and the collection methodologies.
- 9.1.3. Stakeholder involved and the boundaries
- 9.1.4. Progress so far
- 9.1.5. GIS Software used.

## 10. Recommendations to the council from Fiji Geospatial Technical Advisory Council(FGTAC)

### 10.1. Composition and the frequency of FGTAC

10.1.1. Council was invited to :

- 10.1.1.1. Note the work of the FGTAC
- 10.1.1.2. Approve the continuation of FGTAC activities and its membership
- 10.1.1.3. Approve additional members i.e DTCP, Surveying, Engineering, Finance and NDMO, with legal officer when required

### 10.1.2. Discussion

- 10.1.2.1. The chair added that FGTAC will work separately from the working group that has been set up for the goals in the strategy.
- 10.1.2.2. The chair further added that the experts will be brought in if needed to be part of the FGTAC and requested if the council can endorse the continuation of the FGTAC.
- 10.1.2.3. The council endorsed for the FGTAC to continue.

### 10.2. Fundamental Data Themes

10.2.1. Council was invited to note, adopt and endorse the following:

- 10.2.1.1. Background to the Global Fundamental Data Themes
- 10.2.1.2. Requirements for Fundamental Data Themes
- 10.2.1.3. Work Done
- 10.2.1.4. Global Fundamental Data Themes
- 10.2.1.5. What Fundamental Data Themes Contain
- 10.2.1.6. Benefits

### 10.2.2. Discussion

10.2.2.1. Mr Vuiyanuca, FEO, questioned on where does the street addressing fall in in the fundamental data themes.

10.2.2.1.1. **Response:** Ms Hicks responded that most of the work has been done UNGGIM Europe but we will have to add resource after the council endorses the fundamental data theme to bring them up to par.



10.2.2.2. Dr Rollings added that once this is endorsed by the council, he will add it the USP Geospatial Program so that the student are aware of it when they graduate.

10.2.2.3. The council endorsed the adoption of Fundamental Data Themes.

### 10.3. FGIMC Website & Facebook

10.3.1. Council was invited to endorse the following:

10.3.1.1. FGIM Council Website

10.3.1.1.1. Host - Government ITC Services

10.3.1.1.2. Domain - [www.fgimc.lands.gov.fj](http://www.fgimc.lands.gov.fj)

10.3.1.1.3. Contents

- ✓ **Home Page** – Brief introduction and Message from the Chair of the Council
- ✓ **Policies/Documents** – Geospatial polices(new, revised)
- ✓ **Geospatial Strategy** – Goals and Updates
- ✓ **Members** – Endorsed council members
- ✓ **Upcoming Events** – Meeting dates
- ✓ **Contact us**
- ✓ **FAQ**

10.3.1.2. Facebook(Social Media Page)

10.3.1.2.1. Upcoming Events

10.3.1.2.2. Meeting Galleries

10.3.2. The council endorsed to have a council website and facebook page and to be launched during the next council meeting.

## 11. Other Matters

11.1. The chair announced that the next Fiji Geospatial User Forum will be held on 24<sup>th</sup> September, 2019 hosted by FRA.

## 12. Meeting outcomes

12.1. Council endorsed:

12.1.1. Terms of Reference for the Working group

12.1.2. Fiji Geospatial Information Council Management Council Website to be launched in the next meeting

12.1.3. The continuation of Fiji Geospatial Technical Advisory Committee

12.1.4. The Adoption of the Fundamental Data Themes.

### 13. Conclusion & Lunch

13.1. The chair sincerely thanked everyone who availed themselves to this Council meeting and closed the meeting.

### 14. Action Points from the meeting

No.	Action Point	Responsibility
1	Fiji Geospatial Information Management Council Website	FGIM Council Secretariat and Ministry of Lands and Mineral Resource Development Team
2	Contents of the Website	FGTAC

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**Mr. Josefa Caniogo**

*Permanent Secretary –Ministry of Lands and Mineral Resources*

**Chair**

*Fiji Geospatial information Management Council*



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**Mr. Shaneel Prakash**

*Principal Geospatial Officer (FGIS)*

**Secretary**

*Fiji Geospatial information Management Council*