



## Day 1 - 22nd of November 2021

Plenary Sessions		Parallel sessions		
Fiji Time UTC+12		Session A	Session B	Session C
9:00am - 10:00am	<b>Opening</b> Welcome from USP, Vanuatu and PGRSC Conference Overview			
10:00am - 12:00am		<b>Pacific Users Session 2A</b>	<b>Pacific Users Session 2B</b>	
12:20am - 2:00pm		<b>Pacific Users Session 3A</b>	<b>Pacific Users Session 3B</b>	<b>Pacific Users Session 3C</b>
2:00pm - 3:30pm		<b>Pacific Users Session 4A</b>	<b>Pacific Users Session 4B</b>	<b>Pacific Users Session 4C</b>

Plenary Session

<https://us02web.zoom.us/j/75475176807>

		Session 1A - Opening - 09:05-09:50	Session lead: Arthur Faerua	
09:05-09:15	Pal Ahluwalia	Opening Remarks	USP Vice Chancellor Pal Ahluwalia	USP
09:15-09:25	Hon. Edward Nalial	Key Note Speaker	Minister of Lands and Water Resources	LANDS VU
09:25-09:35	Andrew Jones Andrew	Keynote	SPC	--
09:35-09:45	MacKenzie	Opening Remarks	Director USP Campus Vanuatu	USP
09:45-09:50	Wolf Forstreuter	Technical Conference Overview,	Chair PGRSC	PGRSC

**09:50-10:00**

**VANUATU CULTURAL PERFORMANCE**



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<b>Session 2A - Land Cover - 10:00-12:00</b> <b>Session lead: Ian Huri</b>			
10:00-10:20	Bradley Eichelberger	"Estimating vegetation and wildlife resilience following typhoon events in the Northern Mariana Islands"	DLNR
10:20-10:40	Cema Talei	"Ba Land Use Land Cover Changes"	FNU
10:40-11:00	Darlynne Takawo Vani	"Palau Automated Lands And Resource Information System (PALARIS OFFICE)"	PALARIS
11:00-11:20	Koroisamanunu	GIS for Environmental Decision Making	SPREP
11:20-11:40	Amina Ali	"Precision Agricultural farming on Nadroga Province from a GIS and RS prespective"	FNU
11:40-12:00	Titie Kaufusi	"Applying GIS on Quarry's Management"	LANDS TO

<https://usp-fj.zoom.us/j/82596015174>

<b>Session 2B - Disaster - 10:00-12:00</b> <b>Session lead: Rafael Kargren</b>			
10:00-10:20	Michino Hisabayashi	"Drone mapping in the context of disaster and emergency response using PIX4Dreact"	PIX4D
10:20-10:40	Rémi Andreoli	"Dealing with Natural Disasters in real Time from the Cloud"	BLUECHAM
10:40-11:00	Sioeli Lolohea	"Applying Remote Sensing and GIS to the Climate Change Crisis"	LANDS TO
11:00-11:20	Matt Lythe	"Advancing disaster relief planning using Maxar imagery with AI (Fiji, Samoa, Tonga, Mashall Is)"	LYNKER AN
11:20-11:40	Fidel Zebeta	"Flood Risk Mapping"	GOV VU
11:40-12:00	Alex Bandini-Maeder	"Using Earth Observation and Deep-"Learning to Enhance Vulnerability Models to Natural Disasters"	GEONEON

**12:00-12:20**

----- **Lunch & Vanuatu Cultural Performance on Session A link-----**



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<b>Session 3A - Women Session - 12:20-14:00</b> <b>Session lead: Litia Gaunavou</b>			
12:20-12:40	Keleni Raqisa	Welcome Address	MRD FJ
12:40-13:00	Joy Papao	"The use of Geospatial Information Technology (GIT) for DRR"	UNOSAT
13:00-13:20	Kate Fickas	Ladies of Landsat	---
13:20-13:40	Naz Ali	"Women In GIS: Network, Grow, Succeed"	WinGIS Car
13:40-14:00	Telesia Sila	Redefining Samoa's baseline and the calculation of it's maritime zone	---

<https://usp-fj.zoom.us/j/82596015174>

<b>Session 3B - Remote Sensing Data - 12:20-14:00</b> <b>Session lead: Rémi Andreoli</b>			
12:20-12:40	Nicholas Metherall	"Yadrava na Vanua: leveraging earth observation data to monitor extractive industries in Fiji."	SPC
12:40-13:00	Rafael Kargren Nicholas (Nick)	Maxar Spatial on Demand	MAXAR
13:00-13:20	Rollings	"Echoes in Space" using Sentinel 1 Radar in our Geospatial Science Programme"	USP
13:20-13:40	Fabrice Triffaut Annekatrien	"Pléiades Neo, perfectly enhancing satellite imagery capacities for the Pacific and its needs"	AIRBUS DS
13:40-14:00	Debien	"The Copernicus networks: how do they contribute to Copernicus user uptake?"	SpaceTech

<https://spc.zoom.us/j/98398852492?pwd=MWtJTW1icTlOLzFKSl03MUZCekVaUT09>

<b>Session 3C - Maritime - 12:20-14:00</b> <b>Session lead: Maria Kottermair</b>			
12:20-12:40	John Lowry	"Spatial use of marine resources in a rural village: A case study of Qoma, Fiji"	USP
12:40-13:00	Guillaume Wattelez	"Unsupervised clustering for seabed color with Sentinel 2 imagery: a case study on VohKoné-Pouembout lagoon (New Caledonia)"	UN
13:00-13:20	Vatu Molisa	"Marine Spatial Planning on a National Scale (Case Study: Vanuatu): A Brief Overview of MSP in Vanuatu"	IUCN
13:20-13:40	Miriam Bhurrah	"Marine Spatial Planning on a National Scale (Case Study: Solomon Islands): A Brief Overview of MSP in the Solomon Islands"	WORLD BANK
13.40-14.00	Cecile Dupouy	"A glider to the rescue of scientists to validate ocean colour imagery at the South of Viti Levu"	IRD

**13:40-14:10**

----- **Afternoon Coffee –and Vanuatu Cultural Performance on Session A link**-----



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<b>Session 4A - Mapping - 14:20-15:30</b> <b>Session lead: Lanieta Rokotuiwakaya</b>			
14:10-14:30	Tony Kanas	"Vanuatu National Geospatial Data Policy"	GOV VU
14:30-14:50	Kishan Kumar	"Utilizing Open Source Spatial Big Data Platforms to boost Data Mining and Machine Learning operations on Optical and Radar Data"	SPC
14:50-15:10	Charlington Leo	"Using GIS/RS to improve data collection"	--
15:10-15:30	Sione Sunia	"Applying GIS to Land Administration"	LANDS T

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<b>Session 4B - Maritime - 14:20-15:30</b> <b>Session lead: Salote Viti</b>			
14:10-14:30	Susanne Craig	"Machine Learning Approaches for Predicting Phytoplankton Community Composition from Ocean Color"	NASA
14:30-14:50	Steve Hango	"GIS in Marine Spatial Planning"	GOV VU
14:50-15:10	Andra Whiteside	"Investigating the relationship of turbid waters post-cyclone Yasa on chlorophyll bloom presence in Fiji"	UNI AIX
15:10-15:30	Fernando Noriega Betancourt	"Mapping suitable areas for marine recreational activities around Tutuila Island, American Samoa"	MARSEI --

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<b>Session 4C - Remote Sensing Data - 14:20-15:30</b> <b>Session lead: Leba Gaunavinaka</b>			
14:10-14:30	Manil Maskey Guillaume	"Deep Learning for Earth Observation and Remote Sensing".	NASA
14:30-14:50	Wattelez Michino	"OGC's Standards for Sensor Data: Overview and Applications"	UNI NC
14:50-15:10	Hisabayashi	"Best practices for large scale drone mapping with PIX4Dmatic, next-generation photogrammetry software"	PIX4D
15:10-15:30	Stewart Craine	"GIS tools for rural electrification planning to meet SDG7 energy access goals"	---



## Day 2 - 23rd of November 2021

Plenary Sessions		Parallel sessions		
		Session A	Session B	Session C
9:00am - 10:20am		<b>Pacific Users Session 1A</b>	<b>Pacific Users Session 1B</b>	<b>Pacific Users Session 1C</b>
10:30am - 11:50am		<b>Pacific Users Session 2A</b>	<b>Pacific Users Session 2B</b>	<b>Pacific Users Session 2C</b>
12:10pm - 1:30pm		<b>Pacific Users Session 3A</b>	<b>Pacific Users Session 3B</b>	
1:50am - 3:00pm	<b>Conference Closing</b>			

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		<b>Session 1A - Organisations - 09:00-10:20</b> <b>Session lead: Litia Gaunavou</b>		
09:00-09:20	Christian Heipke Astrid-Christina	"Deep learning for remote sensing and the role of ISPRS"		ISPRS
09:20-09:40	Koch	"Copernicus – What is in it for the Pacific Islands ?"		COPERNICUS
09:40-10:00	Shirish Ravan	"Strengthening space applications and exploration – Opportunities and initiatives offered by UNOOSA"		UN-SPIDER

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		<b>Session 1B - Forestry - 09:00-10:20</b> <b>Session lead: Maria Kottermair</b>		
09:00-09:20	Michael Köhl	"Biomass assessment in mangrove forests: a case study from Fiji"		UNI-HAM
09:20-09:40	Matt Lythe	"Deep learning to audit deforestation in NZ"		LYNKER
09:40-10:00	Rémi Andreoli	"Smart Counting from Space to Solve real Pacific Challenges"		ANALYTICS
10:00-10:20	Willie Lore	"Vanuatu National Forest Inventory (NFI) Mapping"		BLUECHAIR
				GOV-VU

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		<b>Session 1C - Utility &amp; Disaster - 09:00-10:20</b> <b>Session lead: Salote Viti</b>		
09:00-09:20	Laura Lorenzoni	"NASA science for coastal applications"		NASA
09:20-09:40	Bob Haas Alex Bandini-	"The MAXAR Weather Desk"		MAXAR
09:40-10:00	Maeder	"Vegetation Monitoring for Power Utilities using Deep-Learning on Earth Observation Data"		GEONEC



10:00-10:20 Marie Jagaille "Women in Copernicus" -----

**10:20-10:30**

----- *Morning Coffee* -----

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**Session 2A - Organisations - 10:30-11:50 Session lead: Lanieta Rokotuiwakaya**

10:30-10:60	Katherine Cook	"EO applications in Climate Finance - case studies from Fiji"	CNCFA
10:50-11:00	Kalusiani Vuki	"UNODC GMCP Work in the Pacific"	UNODC
11:00-11:20	Filimoni Yaya	"Marine Spatial Planning In the Pacific: An Update on Ongoing Work and Progress Throughout the Region"	IUCN
11:20-11:50	Nimas Anggarini	"Remote Sensing is more applicable and safer, smarter cities is what hexagon is doing in that space"	-----

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**Session 2B - Forestry & Mapping - 10:30-11:50 Session lead: Leba Gaunavinaka**

10:30-10:50	Guillaume Wattelez	"OGC's Standards for Sensor Data: Overview and Applications"	UNI NC
10:50-11:00	Ryan Perroy	"Generating agroforestry inventory data for coconut and pandanus from UAS imagery"	UNI HI
11:00-11:20	Richard Russell	Trinity F90+ eVTOL - UAV LiDAR - example	DRONE S
11:20-11:50	Simon Morris	"Quantum Drones: Flexibility and Capability in a wide range of environments and applications."	QUANTU

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**Session 2C - RS Data and other - 10:30-11:50 Session lead: Rémi Andreoli**

10:30-10:50	Steve Yeager	"MAXAR Analysis Ready Data"	MAXAR
10:50-11:00	Dongrui Li	"Knowledge Migration Based Deep Network Transfer for Residential Area Automatic Extraction"	--
11:00-11:20	Miller Jiménez Angela	"A Scalable Solution to Monitor Erosion Events"	GRUNDO
11:20-11:50	Manchester	"Remote Sensing Updates from Hexagon"	HEXAGO



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**11:50-12:10**

***Lunch***



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<b>Session 3A - Organizations - 12:10-13:30</b> <b>Session lead: Rafael Kargren</b>			
12:10-12:30	Leba Gaunavinaka	"Exploring satellite imageries for DRR with UNOSAT"	UNOSAT
12:30-12:50	Wolf Forstreuter	"Pacific GIS and Remote Sensing Council"	-----
12:50-13:10	Ian Huri	"UNOSAT Rapid Mapping Service"	UNOSAT
13:10-13:30	Emma Luke	"GEO and the Pacific: Harnessing global expertise to empower local decision making"	GA

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<b>Session 3B - Mapping &amp; Agriculture - 12:10-13:30</b> <b>Session lead: Salote Viti</b>			
12:10-12:30	Kasaqa Tora	Improve the long-term conservation and management of biodiversity resources in PA in the Pacific Region	SPREP
12:30-12:50	Carrol Chan	"Building an OSM Community in Fiji - OSM Fiji"	CONSUL
12:50-13:10	Mathis Neuhauser	"Monitoring of agricultural drought in New Caledonia from remote sensing products and in-situ meteorological data"	INSIGHT

**13:10-13:40**

**Afternoon Coffee**

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<b>Session 4A - Closing Session 13:50-15:00</b> <b>Session lead: Wolf Forstreuter</b>			
13:40-14:00	--	Closing: SIBA GITA Awards, Poster Competition Awards	
14:00-14:20	--	Closing: Discussing new Conference Host	





### Day 1 - 22nd of November 2021

	<i>UTC+10</i> <i>PNG / Brisbane</i>	<i>UTC+11</i> <i>Vanuatu / Solomon /Sydney / FSM</i>	<i>UTC+12</i> <i>Fiji / Kiribati / Marshall Islands</i>	<i>UTC+13</i> <i>Tonga / Samoa /NZ</i>	<i>UTC-11</i> <i>Hawai / P</i>
SESSIONS 1	07:00 - 07:50	08:00 - 08:50	09:00 - 09:50	10:00 - 10:50	11:00 - 11:50 <i>21st of November</i>
SESSIONS 2	08:00 - 10:00	09:00 - 11:00	10:00 - 12:00	11:00 - 13:00	12:00 - 14:00 <i>21st of November</i>
SESSIONS 3	10:40 - 12:00	11:40 - 13:00	12:40 - 14:00	<b>13:40 - 15:00</b>	14:40 - 16:00 <i>21st of November</i>
SESSIONS 4	12:20 - 13:30	13:20 - 14:30	14:20 - 15:30	<b>15:20 - 16:30</b>	16:20 - 17:30 <i>21st of November</i>

### Day 2 - 23rd of November 2021

	<i>UTC+10</i> <i>Papua new Guinea</i>	<i>UTC+11</i> <i>Vanuatu / Solomon /Sydney / FSM</i>	<i>UTC+12</i> <i>Fiji / Kiribati / Marshall Islands</i>	<i>UTC+13</i> <i>Tonga / Samoa /NZ</i>	<i>UTC-11</i> <i>Hawai / P</i>
SESSIONS 1	07:00 - 08:20	08:00 - 09:20	09:00 - 10:20	10:00 - 11:20	11:00 - 12:20 <i>22nd of November</i>
SESSIONS 2	08:30 - 09:50	09:30 - 10:50	10:30 - 11:50	11:30 - 12:50	12:30 - 13:50 <i>22nd of November</i>
SESSIONS 3	10:10 - 11:30	11:10 - 12:30	12:10 - 13:30	13:10 - 14:30	14:10 - 15:30 <i>22nd of November</i>
SESSIONS 4	11:50 - 13:00	12:50 - 14:00	13:50 - 15:00	14:50 - 16:00	15:50 - 17:00 <i>22nd of November</i>