STAR 2019 CONFERENCE PROVISIONAL PROGRAMME

Time Slots	Presenters	Title		
Tuesday,	19 November 2019	[Note to Secretariat – appoint time keepers!]		
		Session 01 OPENING [Facilitator – R. Ravuiwasa]		
08:00-09:00		Registration		
08:50-09:00	[STAR participants find seats]	Prepare for Official Opening Session		
09:00-09:30	Chief Guest – Dr Raijeli Taga, D/PSLMR	Conference Opening by Deputy Secretary for Lands and Mineral Resources		
09:30-10:00		Morning Coffee		
		Session 02 WATER RESOURCES & MANAGEMENT [Facilitator – R. Ravuiwasa]		
10:00-10:20	Cyril B. Rachman, FNU	Rural Water Infrastructure on the mainland and outer islands in Fiji		
10:20-10:40	Peter Sinclair, SPC	Evidence-based approach to water supply development in volcanic islands – case study from Tanna, Vanuatu		
10:40-11:00	Francis John Chottu, FNU	Namara District Fiji, Off-Grid Water Supply System Design		
		Quantifying the effects of dry season aggregate extraction on downstream turbidity and sediment transport: a		
11:00-11:20	Nicholas Metherall, ANU-USP	water quality and hydrology assessment of Dawasamu River		
	Malakai Tadulala, Keleni Raqisia, Tariq			
11:20-11:40	Rahiman, MRD	Lineaments structures and groundwater characteristics between Sigatoka Valley and Eastern Tailevu Regions		
44 40 40 00		Increasing Water Access Resilience for rural communities in the Pacific islands through solar powered systems		
11:40-12:00	Erickson Sammy, Vanuatu	- 2 case studies in Vanuatu		
12.00		Circum-Pacific Council and Oil Search Ltd, Port Moresby will show a film about the emergency response to the 26th February 2018		
12:00 -	•	irected by Marco Venditti [spillover into lunchtime]		
12:30-13:30				
12.20 12.50	Wolf Fountainten DICCICDS	Session 03 GIS & REMOTE SENSING TECHNIQUES & APPLICATIONS [Facilitator – R. Smith]		
13:30-13:50		History of GIS & Remote Sensing support at the grass root level for Pacific Island Countries		
13:50-14:10	Evie Packett, Makereta Veitata, ANU- USP	Utilising Google Earth Engine to track mangrove recovery post cyclone Winston revised		
13.30-14.10	Asakaia Tabuabisataki, Lands	Othishig Google Laith Engine to track mangrove recovery post cyclone winston revised		
14:10-14:30	Department	Importance of Global Navigations Satellite Systems (GNSS) to Positioning Infrastructure – Fiji		
14:30-14:50	Swetha Thammadi, Sateesh Pisini, FNU	Developing GIS-based Soil Erosion Map using RUSLE model for Naitasiri Province, Fiji		
14:50-15:10	Paul Seaton, Fugro	Unlocking Data Insights in the South Pacific to Mitigate Impact of Climate Change and Sea Level Rise		
15:10-15:30	Mark Sinclair, Fugro	Large Scale Airborne Lidar Bathymetric Mapping Projects for Coastal Zone Management		
15:30-16:00		Afternoon Coffee		
16:00-16:20	Faatasi Malologa, Arthur Webb, Tuvalu	Tuvalu Report on the benefits of Lidar data and the Tuvalu TCAP Project – TBC		
16:20-18:00				
	RESERVED FOR WORKING GROUPS – [Work in Progress – Facilitator – Dr Russell Howorth] WORKING GROUPS: PSIDS LADS Project – RH; EDUCATION WORKING GROUP – Sara Beavis; Pacific Resilience professional development [Melinda Mathers/Elenoa Ratumaitavuki];			
	Islander Cyril B Rachman – Water Resources: Ocean Geosciences [CHAIR TO BE Announced for latter 2]			

Wednesday, 20 November 2019

		Session 05 FIELD APPLICATIONS OF TECHNOLOGY/SCIENTIFIC TECHNIQUES [Facilitator – R. Taga]			
08:40-09:00	Cyril Bernard Rachman, FNU	Investigating the littoral transport of sediment along the Nasese Coastline, Suva, Fiji Islands			
09:00-09:20	Evie Packett, ANU-USP	Lessons from the Qfield: novel field data collection methodologies using QFIELD for QGIS			
09:20-09:40	Aminisitai Loco, SPC	Testing innovative technologies for atoll groundwater mapping			
	Lloyd Singura, Tsukasa Ohba, Akita	Unearthing tephra deposit, and petrological trace of subvolcanic magma dynamics of two active intra-caldera			
09:40-10:00	University-UPNG	volcanoes north of Rabaul volcanic complex – Papua New Guinea			
10:00-10:30		Morning Coffee			
		Session 06 MINERAL RESOURCES, MINING, FIELD TECHNIQUES [Facilitator – R. Mohammed]			
10:30-10:50	Michael Nesbitt, Kalo Exploration	Cirianiu: The Epithermal Gold Project that Unlocked a District			
		Socio-economic sustainability in mining through innovation – the implementation of shrinkage stoping mining			
10:50-11:10	Jack A. Smith, Vatukoula Gold Mine	methods at Vatukoula Gold Mine, Fiji			
11:10-11:30	Stephen Mann, Lion One	The Tuvatu Gold Project, Viti Levu, Fiji			
11:30-11:50	Yi Huang, Vatukoula Gold Mine	Tailings retreatment practice at Vatukoula Gold Mine Limited			
11:50-12:10	Stephen Mann, Lion One	Using Stream Clay BLEG Sampling to Find New Orebodies – Lion One's Tuvatu Project as a Case Study			
12:10-12:30	Neechal Kumar, Eroni Bakabaka, MRD	River Gravel Extraction Monitoring and Compliance			
12:30-13:30		Lunch			
		Session 07 DATA AND INFORMATION COLLECTION, MANAGEMENT & APPLICATION [Facilitator – A. Loco]			
13:30-13:50	Keleni Raqisia, MRD	Data Management System for Groundwater			
	Paul A. Taylor, Australian				
13:50-14:10	Volcanological Investigations (AVI)	Volcanic Hazard Maps: their development and use in Volcanic Environments of the South West Pacific			
14:10-14:30	Noa Tuiloma, MRD	Landowners engagement in mining and socio-economic benefit of mining			
14:30-15:30	DESCRIVED FOR DOCTED SESSION. Deater Deman Authors 5 mileutes and proceed and all and a sixt and be sixt and be sixt and a sixt and be sixt and a sixt and				
	RESERVED FOR POSTER SESSION – Poster Paper Authors, 5 minutes each present on poster and point out location of poster in the room – then participants go to Posters of Interest and engage with authors – spillover into afternoon tea time. See list of Poster Papers on Page 4				
of interest and engage with dutilors - spinover into differition ted time. See list of 1 oster 1 april on 1 age 4					
15:30-16:00		Afternoon Coffee			
		Session 08 ENVIRONMENTAL CONSIDERATIONS IN DEVELOPMENT PROJECTS [Facilitator – E. Sammy]			
16:00-16:20	Sereana Vatucicila, Lion One	The Importance of Developing an Environmental Baseline Study – Tuvatu Gold Project			
	Mohammmed Azad, Nilesh Chand,				
16:20-16:40	MRD	Water Quality Monitoring for Foreshore Development – Nawi Island Limited			
		Confronting Complexity in Issues of Environmental Degradation and Management – The case of Gold Rock			
16:40-17:00	Oliver Lilford, Sara Beavis, ANU-USP	Quarry, Fiji			
47.00 47.22	Vani Koroisamanunu, Sovaia	Mateu Consuling and Manitening at ANATY Decomposition is a			
17:00-17:20	Lewanavanua, MRD	Water Sampling and Monitoring at AMEX Resources Limited			

Thursday, 21 November 2019

		Session 09 GEOLOGY, GEOPHYSICS, FIELD TECHNIQUES [Facilitator – J. Lavisi]			
08:40-09:00	Andreas Antoniou, SPC	The value of geophysics in understanding the variability of groundwater systems in low carbonate islands			
		Continuous Monitoring of Volcanic Unrest and Large Earthquakes: Field-Portable Helium Isotope Detectors			
09:00-09:20	Gary M. McMurtry, University of Hawaii	as New Geochemical Tools			
09:20-09:40	Arishma R. Ram, University of Auckland	Engineering geological and geomorphological investigation of slope failures along roads in Viti Levu, Fiji			
09:40-10:00	Robert Smith, GEM, SPC	Geophysical and Geological Investigations for Infrastructure Development, Fanga'Uta Lagoon, Tonga			
10:00-10:30		Morning Coffee			
		Session 10 NATURAL HAZARDS, RISK ASSESSMENT TECHNIQUES [Facilitator – D. Leneuoti]			
10:30-10:50	Nasi Racaca, City of Rockingham	Coastal Hazard Risk Management and Adaptation Plan for City of Rockingham, Western Australia			
		Natural hazards, radio wave detection and their effect on ocean-mesosphere-lower thermosphere region in			
10:50-11:10	Sushil Kumar, USP	the South Pacific Region			
11:10-11:30	Paul A. Taylor, AVI	Recent volcanic activity in the Kingdom of Tonga			
		Locally-generated Tsunami Events Preserved in the Rock and Deposit Record at Ka Lae (South Point) and			
11:30-11:50	<i>,</i>	Other Sites in the Hawaiian Islands			
	Sobha Devi Kumar, Water Authority of				
11:50-12:10	, ,	Micro-organisms in potable water supply			
12 10 12 22	Rigieta Ravuiwasa, Sakaraia Malodali,				
12:10-12:30	•	Earthquake and Landslide Assessment: Mount Washington, Nabukelevu District, Kadavu			
12:30-13:30		Lunch			
		Session 11 SCIENTIFIC RESEARCH UNDERWAY IN THE REGION [Facilitator – R. Howorth]			
12.20 12.50	Cárila Demana CDECICA (New Caladaria)	The "Along the River" Program: a Research and Innovation Project Focusing on the Integrated Management			
13:30-13:50	Cécile Dupouy, CRESICA (New Caledonia)	of Water, its Uses and its Governance in New Caledonia			
13:50-14:10	Sereseini D. Vakawaletabua, WAF	Suva rivers monitoring in support of the Assimilative Study of the Laucala Bay, Suva			
14:10-14:30	Kunal Singh, USP	Responses of a high altitude wetland to late-Holocene environmental changes in Taveuni, Fiji			
14:30-14:50	Inia Corerega, USP-ANU	Using GIS to Identify Suva Schools exposed to Tsunami Risk and their Distance to Safe Zones			
14:50-15:10	- Dr Gregory Stone , DeepGreen	Ocean Metals and the Future of the Pacific Islands			
15:10-15:30	J				
15:30-16:00		Afternoon Coffee			
16:00-18:00		RESERVED FOR BUSINESS MEETING/AGM 2019			
GOVT-STAR 2019 COCKTAIL FUNCTION					

Friday, 22 November 2019 GEOLOGICAL EXCURSION – NUKULAU/MAKULUVA; DRONE WORKSHOP, MY SUVA PARK

LIST OF POSTER PAPERS SUBMITTED TO STAR 2019

#	AUTHOR(S)	AFFILIATION(S)	TITLE OF POSTER PAPER
1	Nilufar Sabirova	Department of Geography and Ecology, Samarkand State University	The importance of aerospace methods in the study of landscapes transformation: In the case of adjacent areas of the Aydar-Arnasay-Arnasay Lakes System
2	Michel Leodoro [uncertain]	Vanuatu Geology and Mines Unit (Government)	GeoPark Concept for Vanuatu: Proposed Gaua National GeoPark
3	Ilaitia Erene, <u>Champathi Gunathilake</u> and Indra R. Singh	Fiji National University	Identification of growth & yield of Cassava (Manihot esculenta) and Dalo (Colocasia esculenta) under integrated farming
4	Indra R. Singh, Nisha Zureen, Champathi Gunathilake & Saula Koro	Fiji National University	Physico-chemical properties of some selected Soils of the Sigatoka region, Viti Levu, Fiji
5	Timoci Koliyavu [uncertain]	University of the South Pacific – Pacific Centre for Environment and Sustainable Development	Snapshots of CDOM and Chlorophyll dynamics in Laucala Bay, Fiji Islands
6	Anesh Kumar, Aminisitai Loco, Peter Sinclair, Andreas Antoniou	Geoscience, Energy and Maritime Division, Pacific Community	Assessment of water resources in Onotoa atoll – Republic of Kiribati
7	Nicholas Metherall ¹⁺²⁺³ , Sara Beavis ² , Timoci Koliyavu ²	¹ Australian National University, ² University of the South Pacific, ³ Additional research affiliations: Water Authority Fiji, Mineral Resources Department, District Office Ba	Monitoring spatial and temporal variability in geochemistry, water quality and hydrological inputs into alkalinity and pH levels along the Ba River