

Strengthening Partnerships for Energy Security and Resilience in the Pacific

28th - 30th September 2021, 6 - 9 pm (Fiji time), Online

Registration:

<https://www.eventbrite.com.au/e/partnerships-for-energy-security-and-resilience-in-the-pacific-tickets-168091252461>

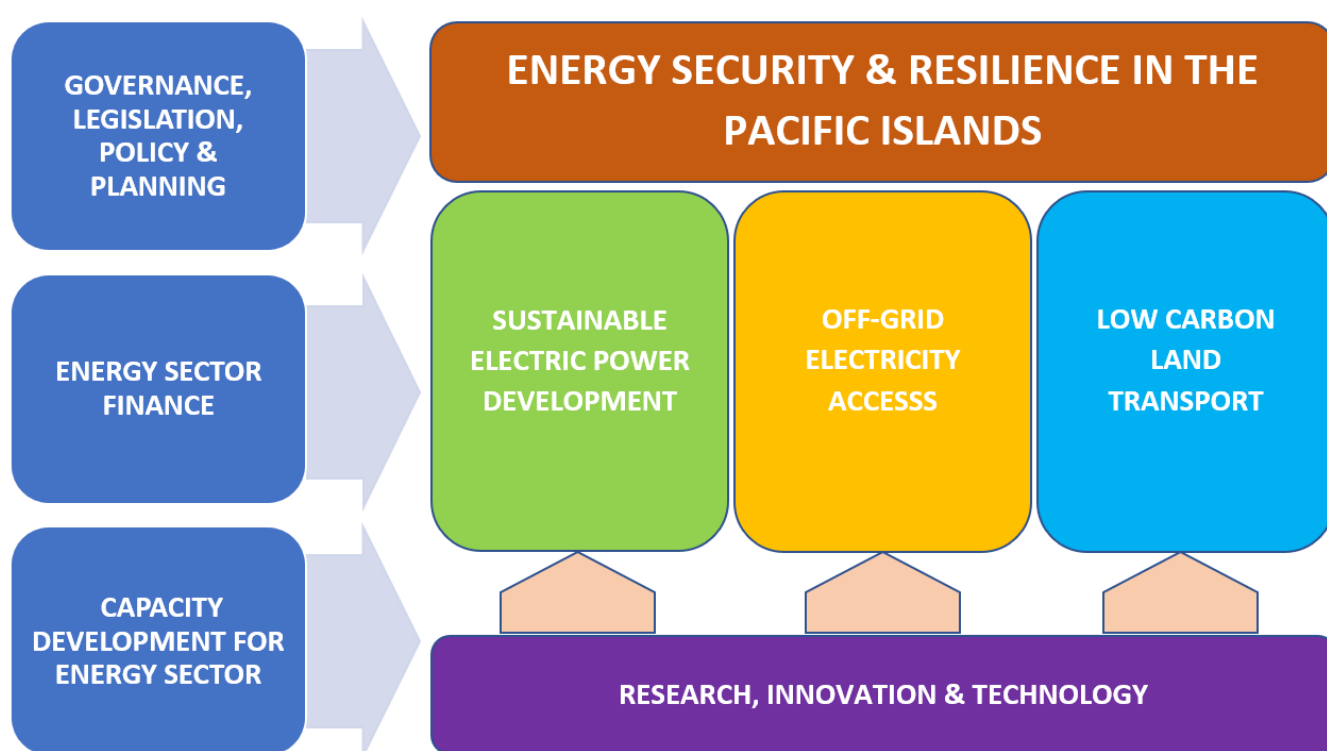
Pre-workshop survey:

https://unsw.au1.qualtrics.com/jfe/form/SV_eWkayI3ObSGVmES

Aim: This workshop aims to strengthen partnerships and develop strategies for integrating energy resilience into country and regional plans to realise the ambitions of the FESRIP.

Objectives:

- Strengthen partnerships and donor coordination for energy;
- Support the development of concept notes for project proposals;
- Develop pathways for research and innovation to support PICTs and regional agencies; and
- Discuss the brief outline of anticipated FESRIP priorities for the first 3 years.



28 September: Sustainable Electric Power Development

Pacific Island nations have ambitious targets for renewable energy, but face technical challenges integrating high variable renewable energy penetrations, and broader institutional challenges to secure the financing and capacity development required.

This workshop aims to build on previous reviews to strengthen partnerships and discuss and develop the following concept notes towards implementation of the FESRIP agenda:

- Grid Readiness to integrate Variable Renewable Energy and evolving demand;
- Policy, Regulation and Finance for Meeting RE Targets

Time (Fiji time)	Item	Speakers
6:00 to 6:20 pm	<ul style="list-style-type: none"> Welcome and Introduction Opening Remarks Objectives for the three workshops and plan for this workshop 	Makereta Lomaloma (SPC) Dr Paula Vivili, SPC Deputy Director General – Science and Capability
6:20 to 6:40 pm	VRE Integration Challenges and Opportunities <ul style="list-style-type: none"> Intro on Status of PICTs Utilities (Abraham Simpson, PPA) Summary of VRE Integration Issues and Status (Janendra Prasad, UNSW Sydney) Enabling technologies (Iain MacGill, UNSW Sydney) SEAPI SE4All (Sandip Kumar, GSES) 	Chair: Janendra Prasad (UNSW Sydney)
6:40 to 7:10 pm	Panel discussion: Technical integration of Variable Renewable Energy and Capacity Development	Chair: Janendra Prasad, UNSW <ul style="list-style-type: none"> Panel: Hasmukh Patel - Chief Executive Officer, Energy Fiji Limited Carmine Piantedosi - Chief Executive Officer, Nauru Utilities Corporation Wallon Young - Executive Director, American Samoa Power Authority Nikolasi Fonua - Engineering Manager, Tonga Power Limited Abraham Simpson – Project Implementation Officer, PPA Iain MacGill – Assoc. Professor, Collaboration on Energy & Environmental Markets UNSW
7:10-7:30 pm	Concept Note Development	All Participants
7:30-7:35 pm	Break	
7:35 to 7:45 pm	Survey results	Manu Rawali, UPNG and UNSW Sydney
7:45 to 7:55 pm	Policy, Regulation and Finance for Meeting RE Targets <ul style="list-style-type: none"> Intro on Pacific Improved Energy Governance (Makereta Lomaloma, SPC) 	Chair: Arieta Gonelevu Rakai, IRENA

	<ul style="list-style-type: none"> Energy Regulation in PICTs (Kilisimasi Ma'asi, OPERA) 	
7:55 to 8:00 pm	Break	
8:00 to 8:30 pm	Panel discussion: Policy, Regulation and Finance for Meeting Renewable Energy Targets	Chair: Arieta Gonelevu Rakai, IRENA <ul style="list-style-type: none"> Matthew Wittenstein - Chief of Section for Energy Connectivity UN ESCAP Sosefo Tofu - Energy Planner, Tonga Department of Energy, MEIDECC Francis Sakato - Principal Analyst, Electricity, Regulated Industries Division, PNG Rafayil Abbasov - Energy Specialist, Pacific Department, ADB Anthony Maxwell - Investment Advisor, Australian Infrastructure Financing Facility for the Pacific (AIFFP), DFAT Antony Garae - Director, Vanuatu Department of Energy
8:30-8:50 pm	Concept Note Development	All Participants
8:50 to 9:00 pm	Way forward	Akuila Tawake (SPC)

29 September: Off-Grid Electricity Access

Off-grid electricity technologies and infrastructure has increasingly become a part of the energy configuration across the Pacific, helping to address issues of electricity access, energy security and/or energy resilience. Its application and implementation, however, it's highly diverse. In terms of scale, off-grid electricity ranges from small-scale solar lanterns to larger-scale mini-grids serving hundreds of households. Its dissemination has been facilitated through community organizations, non-government organizations, the private sector, government agencies as well as being facilitated through range of different bilateral and multilateral aid initiatives.

Time (Fiji time)	Item	Speakers
6:05 - 6:20 pm	Welcome, summary of previous day and overview for today	Vanda Faasoa-Chan Ting (SPREP)
6.20 - 6.35pm	Brief outline of anticipated FESRIP priorities for the first 3 years	Akuila Tawake (SPC)
6:35 - 7:10 pm	Presentation: A case study of electricity access in the Solomon Islands	Chair: Peceli Nakavulevu (IRENA) Speaker: Fred Conning (Tina River Hydro Development Project)
7:10 - 7:15 pm	Break	
7.15 - 8.00pm		Chair: Long Seng To (Loughborough University)

	Panel discussion: governance, finance and capacity development for off-grid electricity access	<p>Panellists:</p> <ul style="list-style-type: none"> • Arieta Gonelevu Rakai (IRENA) • Gavin Pereira (Vanuatu Rural Electrification Program & Superfly Ltd.) • Paul van Aalst (Get.Invest Finance Catalyst) • Peter Storey (PFAN)
8:00 - 8:05 pm	Break	
8:05 to 8:50 pm	Group exercise/discussion to support the development of concept notes: finance and business models for off-grid electricity access	<p>Chair: Paul Munro (UNSW)</p> <p>All participants</p>
8:50 to 9.00 pm	Wrap up	Akuila Tawake

30 September: Low Carbon Land Transport

- Low carbon mobility options, with a focus on e-mobility across public transport, commercial and private vehicles, e-bicycles
- Current petrol and diesel dependencies in the land transport sector across the PICTs
- Potential implications of e-mobility deployment on fuel imports, grid development
- Regional coordination opportunities and challenges

First Session	Setting the scene	Chair: Solomon Fifta (SPC)
6.00 - 6.10pm	Welcome and introduction Opening remarks on mobility challenges and opportunities for energy security and resilience	Ravita Prasad (FNU) Solomon Fifta (SPC)
6.10 - 6.55pm	Presentations and questions Worldwide experiences and perspectives on mobility and energy resilience; mobility technologies, energy and emission implications and its role in decarbonisation	Iain MacGill (UNSW) Edoardo Santagata (UNSW)

	<p>Regional status – land transport fuel use, costs and emissions across the PICTs, EV scenarios and their implications</p> <p>Fiji's land transport scene – current status and possible interventions</p> <p>A broader framing for the region's mobility needs – non-motorised options, links to maritime mobility</p> <p>Discussion</p>	<p>Atul Raturi (USP)</p> <p>Andrew Irvin (USP)</p>
6.55 - 7pm	Break	
Second Session	Work to date and lessons learnt	Chair Long Seng To (Loughborough University)
7 – 8.05pm	<p>Electric vehicle assessment for Fiji</p> <p>E-mobility in policy – LT-LEDS and Energy/Transport policies (eg. Fiji, Tonga) Grid-requirements for e-mobility, e-bus concepts</p> <p>ADB's work on regional mobility</p> <p>A review of the Caribbean experience with e-mobility</p> <p>Tools and studies for modelling e-mobility uptake and its grid impacts Example studies – EV Taxis for Suva</p> <p>Discussion</p>	<p>Jeanette Mani (Fiji Climate Change Office, Ministry of Economy)</p> <p>Katerina Syngellakis (GGGI)</p> <p>Jiahe (Alexandra Pamela) Chiang (ADB)</p> <p>Kalim Shah (University of Delaware)</p> <p>Katelyn Purnell (UNSW)</p> <p>Alex Reddaway (Researcher)</p>
8.05- 8.10pm	Break	
Third Session	An action agenda to progress land transport resilience	Chair: Iain MacGill (UNSW)
8.10 - 8.45pm	<p>Panel and discussion on developing projects, programs and capabilities</p> <p><i>Challenges, opportunities and priorities for</i> Government Transport sector Funding bodies Utilities Research and educational organisations</p>	<p>Jeanette Mani (Fiji CCO) Alexandra Pamela Chiang (ADB) Abraham Simpson (PPA) Solomone (SPC) Atul Raturi (USP)</p>
8.45 - 8.55pm	Wrap up and way forward	Akuila Tawake

8.55 - 9.00pm	Closing Remarks	Abraham Simpson (PPA)
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