



PLANNING FRAMEWORKS AND CAPACITY EXPANSION MODELLING TOOLS FOR NET ZERO ENERGY TRANSITION FOR THE PACIFIC ISLANDS

5 - 7 SEPTEMBER 2023, SOUTHERN CROSS HOTEL, SUVA, FIJI.

The University of New South Wales (UNSW) with the support of DCCEEW and in collaboration with USP, PPA and SPC will be hosting a workshop on 'Planning tools for Renewable Energy Transition and Renewable Hydrogen for the Pacific.' The three-day hybrid workshop will be attended by Energy Sector Stakeholders in the Pacific Island region including Utilities, Development Partners/NGOs, Regional Government officials (energy, transport, climate etc.), Implementing Agencies, Academia and Tertiary education providers, Industry peak organisations, Consultants and Contractors. This forum will be ideal opportunity to engage with the industry stakeholders and initiate dialogue on region's challenges including energy access, resilience, grid integration, cross-sector energy coupling issues and energy modelling tools that will support this transition and fossil fuel dependence within and beyond the electricity sector.

<p>Day 1, Tuesday 5th Sept 2023 Session Leads: Atul Raturi & Jay Prasad</p>	<p>Planning frameworks and tools for RE Transition for PICT Utility Grids</p> <p>Day 1 will have a particular focus on technical issues and challenges associated with grid integration of high penetration of variable renewable energy to the Pacific Islands utility grids.</p> <ul style="list-style-type: none"> • Discuss integration and modelling challenges. • Discover pragmatic approaches using planning frameworks and capacity expansion modelling tools. • Focus on transition to renewable energy and associated network expansion for grid stability, security and reliability.
<p>Day 2, Wednesday 6th Sept 2023 Session Leads: Paul Munro & Shanil Samarakoon</p>	<p>Planning and Capacity Development for off grid electricity access for PICTs</p> <p>Day 2 will focus on the planning frameworks and building energy planning capacity to facilitate locally driven energy planning for off-grid geographies.</p> <ul style="list-style-type: none"> • Understanding the off-grid contexts in Vanuatu and the Solomon Islands • Off-grid technologies and international insights on planning and deployment models • Assessing current off-grid planning capabilities and key areas for development
<p>Day 3, Thursday 7th Sept 2023 Session Leads: Iain MacGill & Rahman Daiyan</p>	<p>Renewable Hydrogen for the Pacific Islands</p> <p>Day 3 of the workshop will explore the opportunities and challenges of renewable hydrogen production, conversion and end-use in the Pacific.</p> <ul style="list-style-type: none"> • Insights on state-of-the-art developments in hydrogen economy in Australia and EU. • Sector coupling of renewable energy to generate synthetic fuels for energy storage, diesel substitution, international bunkering, domestic navigation and aviation. • Planning frameworks and open-source tools that can help the region's stakeholders to assess opportunities and economics of green hydrogen and Power to X economy.

Registration Link: <https://events.humanitix.com/planning-frameworks-and-capacity-expansion-modelling-tools>

Workshop Contacts:

Jay Prasad: jay.prasad@unsw.edu.au
Andrea Loli: liandrea21@gmail.com
Atul Raturi: atul.raturi@usp.ac.fj

