Planning and investing in more resilient energy systems

Part 1 of a series on Energy Resilience in Pacific Island Countries and Territories

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Collaboration on Energy and Environmental Markets (UNSW Sydney), University of the South Pacific, University of Papua New Guinea
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Scope of the workshop

• Electricity industry planning: generation -> distribution -> end-use
• On-grid and off-grid
• Interactions between technology, communities, broader institutions and resilience
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Key Vulnerabilities and Challenges for Energy Resilience in PICTs

- Challenging conditions – climate & weather, remoteness
- Dependence on imported fuels
- Small scale, lack of capacity
- High VRE penetrations increasing complexity for planning
- Planning across grid and off-grid
- Donor driven project-based delivery
Workshop Series

- Planning
- Energy Security
- Energy Resilience
- Climate Change
- Disasters
- Community
- Off-grid
- Energy Access
- Build Back Better
- Renewable Energy
- Political Economy
What are we aiming to achieve today?

- Share work we have been doing
- Propose a framing for the challenges
- Insights and guidance from panelists and participant
- Discuss how to take the work forward
Background Paper

Case Studies

- Fiji
- PNG
- Tokelau
- Australia
- Tuvalu
- Vanuatu

Authors: Darcy Small, Ashleigh Nicholls, Thomas Jeffrey, Anna Bruce, Iain MacGill, Paul Munro, Atul Raturi, Manu Rawali, Long Seng To
Who is in the ‘room’?
Agenda

**Case studies**
- Fiji, Atul Raturi, USP
- Australia, Iain MacGill, UNSW Sydney
- Tokelau, Anna Bruce, UNSW Sydney
- PNG, Manu Rawali, University of PNG

**Framing the Challenge**

**Panel Discussion**
- Apisake Soakai, Independent Consultant
- Akuila Tawake, Geoscience, Energy and Maritime (GEM) Division of SPC
- Manu Rawali, University of PNG and UNSW Sydney
- Atul Raturi, University of the South Pacific
- Julia McDonald, ITP Renewables Australia

**Panel Q&A**

**Conclusions**
Framing the Challenge

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Panel Discussion
Thank you everyone

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