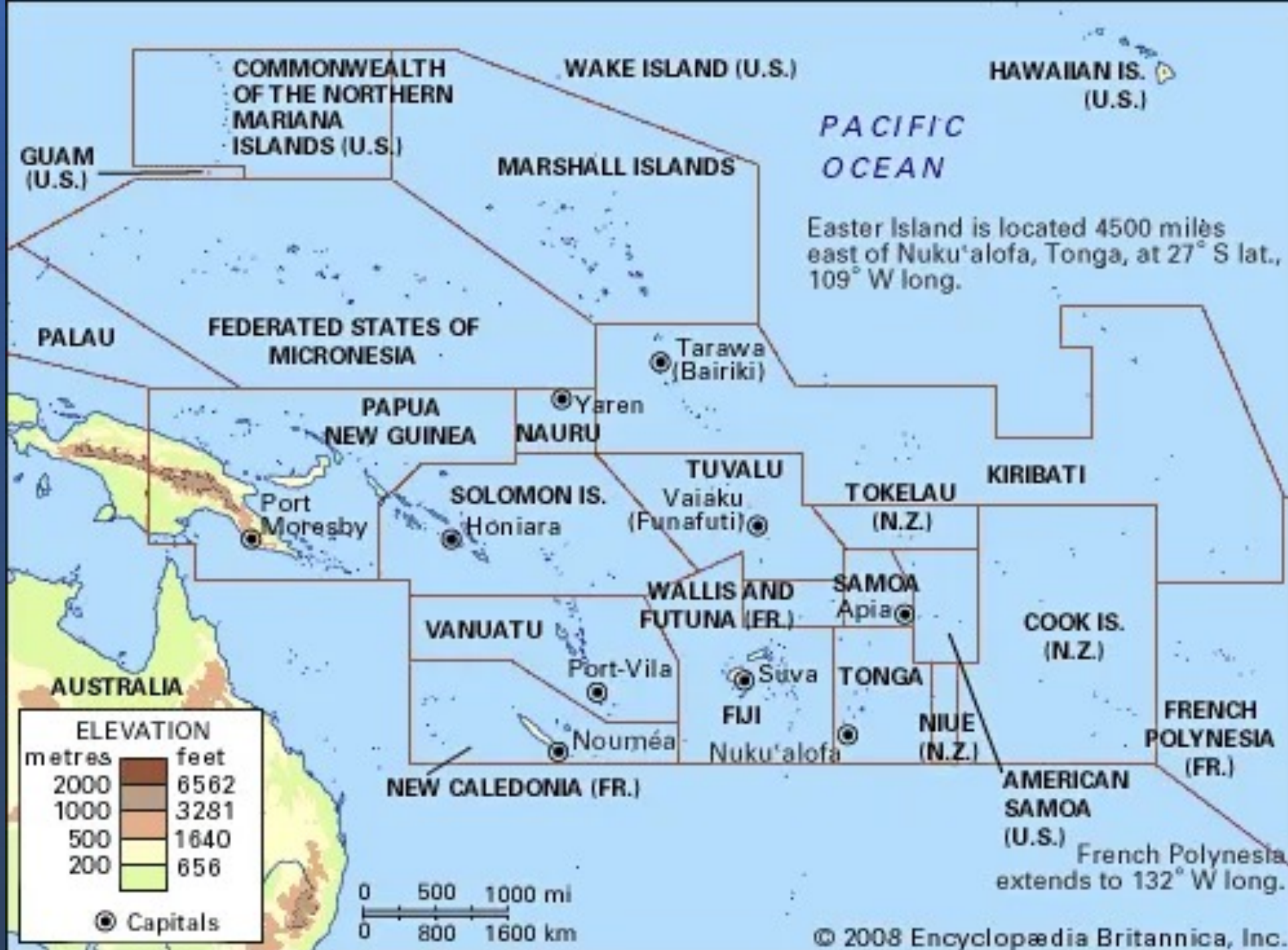


The Challenge of Renewable energy knowledge sharing and capacity building in the Pacific Islands Isolated Power Systems Connect 2022 Cordova, Alaska

A Simpson

Pacific Power Association



ADB Member Countries

Developing Member Countries	Population ^a 2020	Land area (Square km) ^b	Geography (No. of islands) ^c
Cook Islands	17,564	237	14 islands
Fiji	896,445	18,333	320 islands, 106 inhabited
Kiribati	119,449	811	32 widely scattered atolls
Marshall Islands	59,190	181	34 islands, mostly atolls
Micronesia, Federated States of	115,023	701	607 islands
Nauru	10,824	21	single island
Niue	1,626	259	single island
Palau	18,094	444	596 islands, 12 inhabited
Papua New Guinea	8,947,024	462,840	over 600 islands
Samoa	198,414	2,934	10 islands
Solomon Islands	686,884	28,230	~1000 islands, 350 inhabited
Tonga	105,695	749	176 islands, 36 inhabited
Tuvalu	11,792	26	9 atolls
Vanuatu	307,145	12,281	>80 islands, 65 inhabited
Total	11,495,169	528,047	

Pacific Power Association

Developing Member States
Cook Islands
Fiji
Kiribati
Marshall Islands
Federated States of Micronesia
Nauru
Palau
Papua New Guinea
Samoa
Solomon Islands
Tonga
Tuvalu
Vanuatu

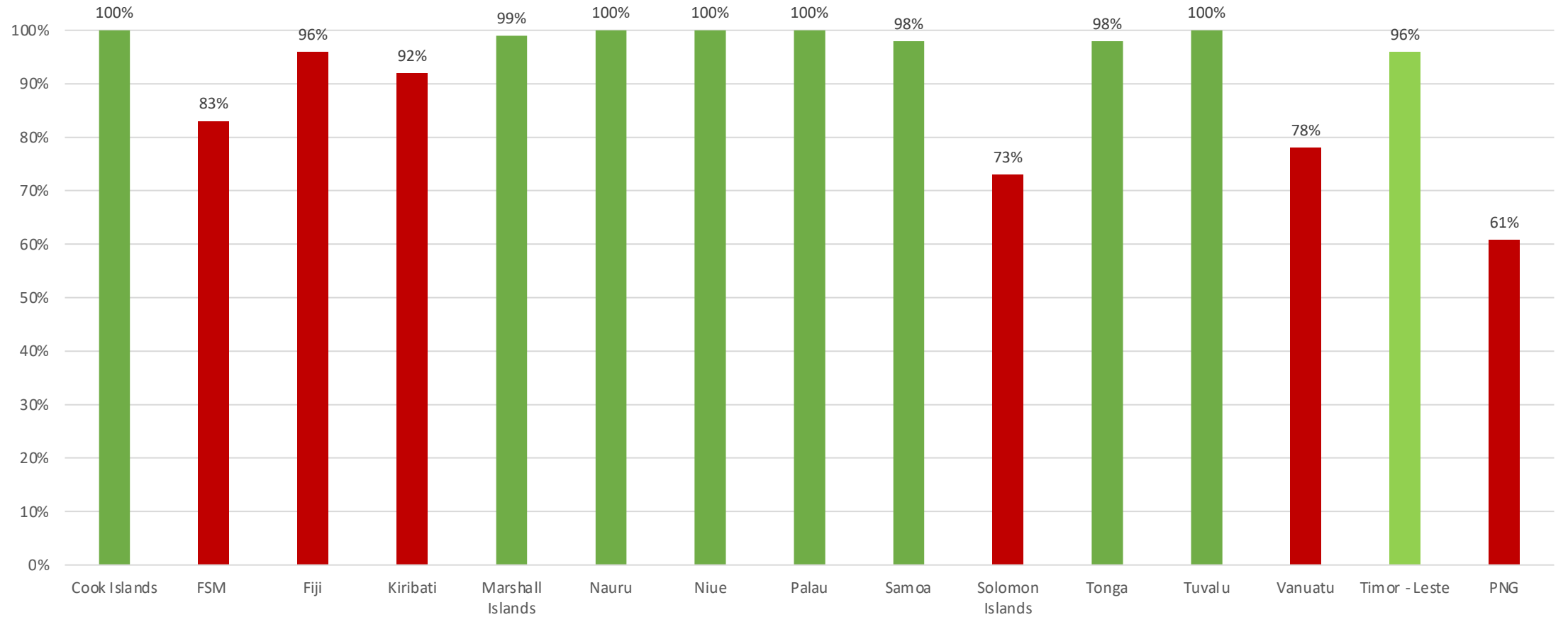
French Territories
New Caledonia
Tahiti
Wallis & Futuna

American Territories
Guam
American Samoa
CNMI

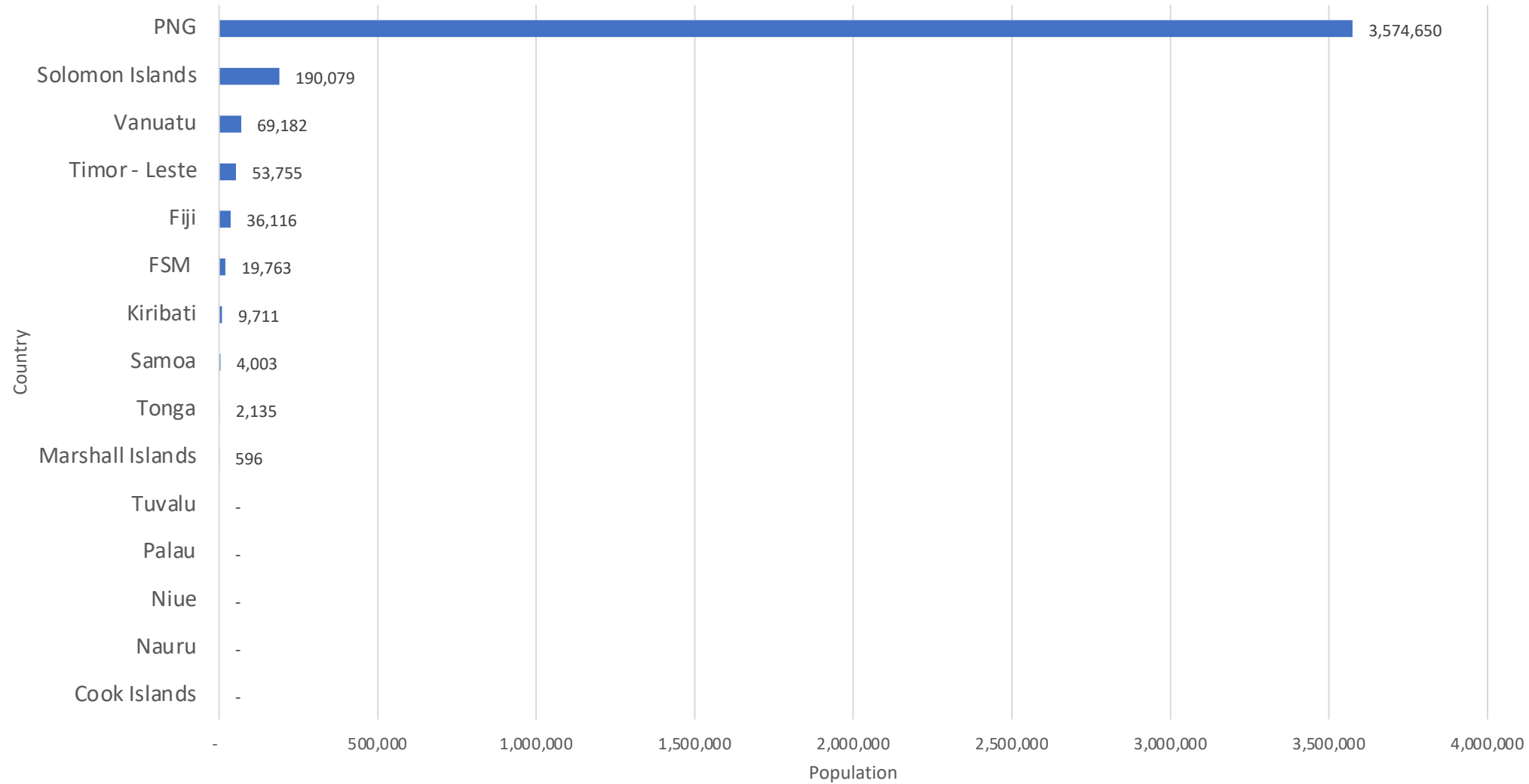
19 Island Groups

24 Power Utility Members

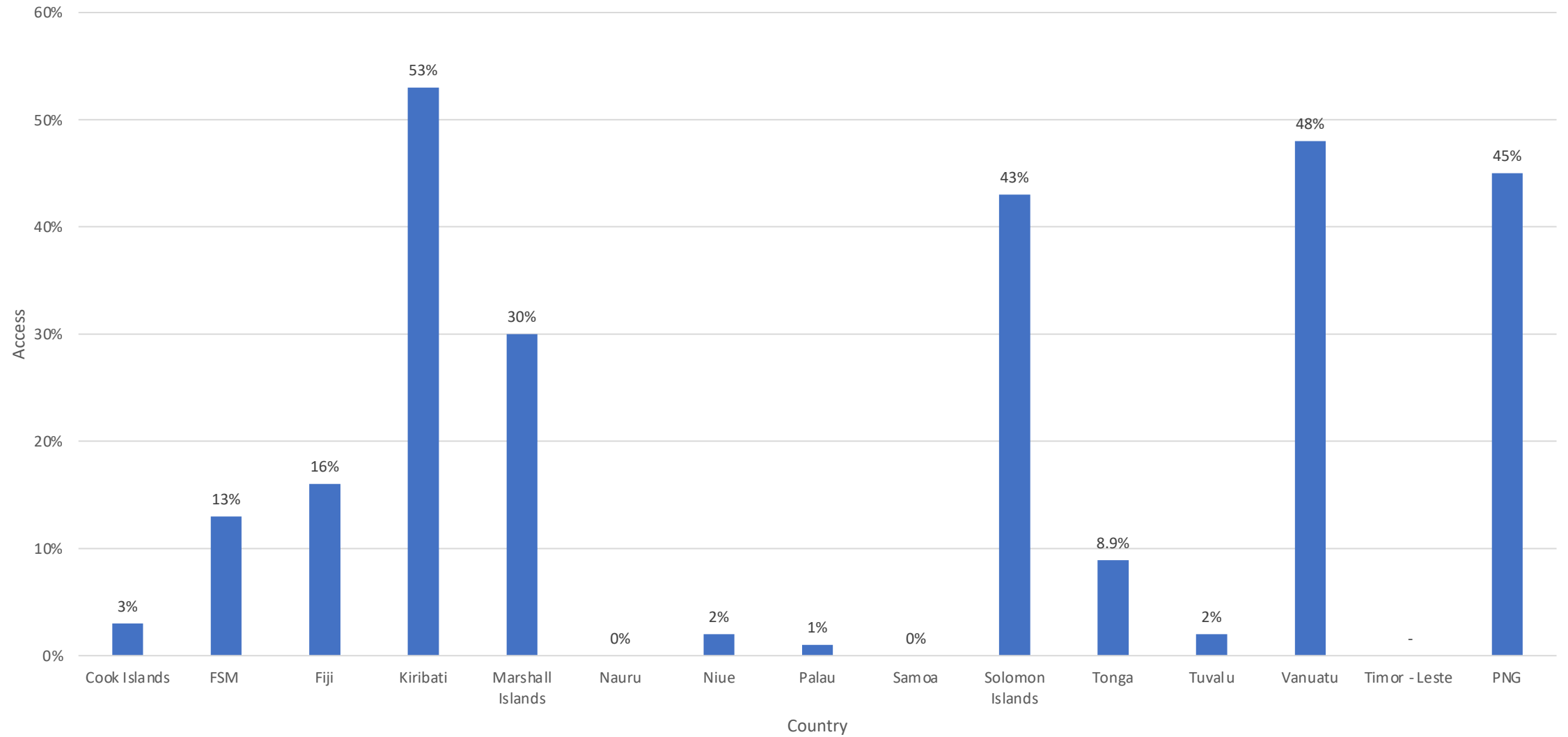
Electricity access rate in 2020 (% of population)



Population without Access to Electricity



Access to off-grid Electricity



Challenges:

- Large number of islands scattered over a vast ocean area.
- Limited technical capacity.
- Expensive travel for in-person training.
- Limited financial resources.
- Fuel Cost fluctuations.
- Difficulty in finding a working model to sustain (maintain, replace and augment) power supply in the remote islands.
- Weak regulation



Vinaka & Thank you