

SIDS Lighthouses Initiative

Framework for Action: SIDS Energy Transition and Climate Action Efforts

PRIF Community of Practice Event 8: Sustainable Energy Management in the Pacific
04 May 2023

Overview of the International Renewable Energy Agency

- » Established in 2011
- » Headquarters in Masdar City, Abu Dhabi, UAE; IRENA Innovation and Technology Centre – Bonn, Germany; Permanent Observer to the United Nations – New York, USA
- » 169 Members and 15 States in Accession

Mandate

To promote the widespread adoption and sustainable use of **all forms of renewable energy** worldwide



Bioenergy



Geothermal Energy



Hydropower



Ocean
Energy



Solar
Energy



Wind
Energy

SIDS Lighthouses Initiative aspires to enable 10 GW power capacity installed by 2030

40 SIDS & 36 Partners
 Australia recently joined in April 2023

- Launched in 2014 and aligned to the S.A.M.O.A Pathway goals
- Operational framework for the AOSIS-IRENA Energy Compact, Ambitious SIDS Climate Action
- Coordinated regional efforts with SPC, Pacific NDC Hub
- Offers support through dedicated analysis, technical assistance and project facilitation support
- Engaged with 7 Pacific SIDS through 9 NDC implementation workstreams
- Tailored capacity building
- Knowledge Sharing

NDC support,
 Technical Assistance,
 Capacity Building

Implementation
 Innovative Solutions

All renewable energy
 sources

Bankable projects
 Access to finance
 Private Sector
 Engagement

Institutional and
 Human Capacity

Transport
 Other end-use
 sectors

Energy Efficiency

Nexus
 Socio-economic
 development
 Gender

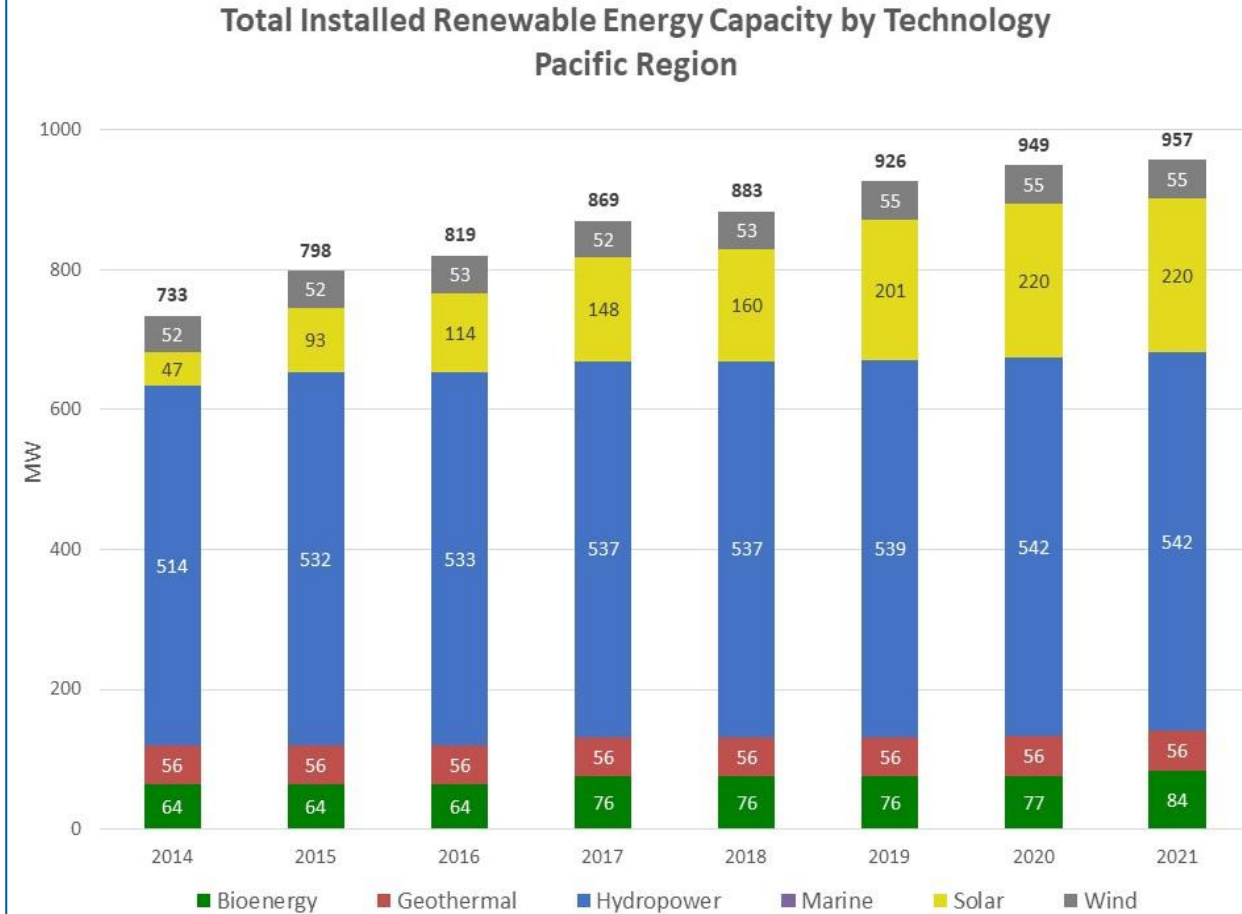
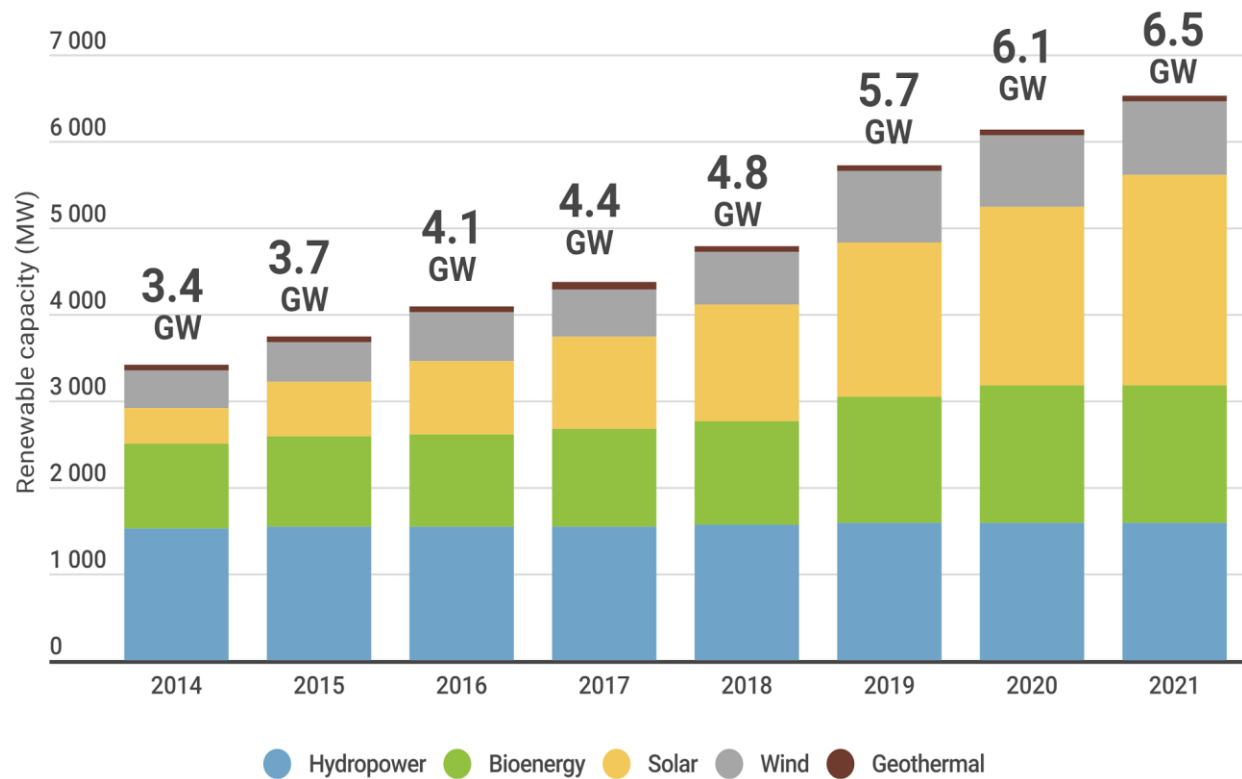
Climate Resilience
 Disaster recovery

Statistics

Synergies with other
 SIDS initiatives

**Target of a total of
 RE installed capacity
 of 10 GW for all SIDS
 by 2030**

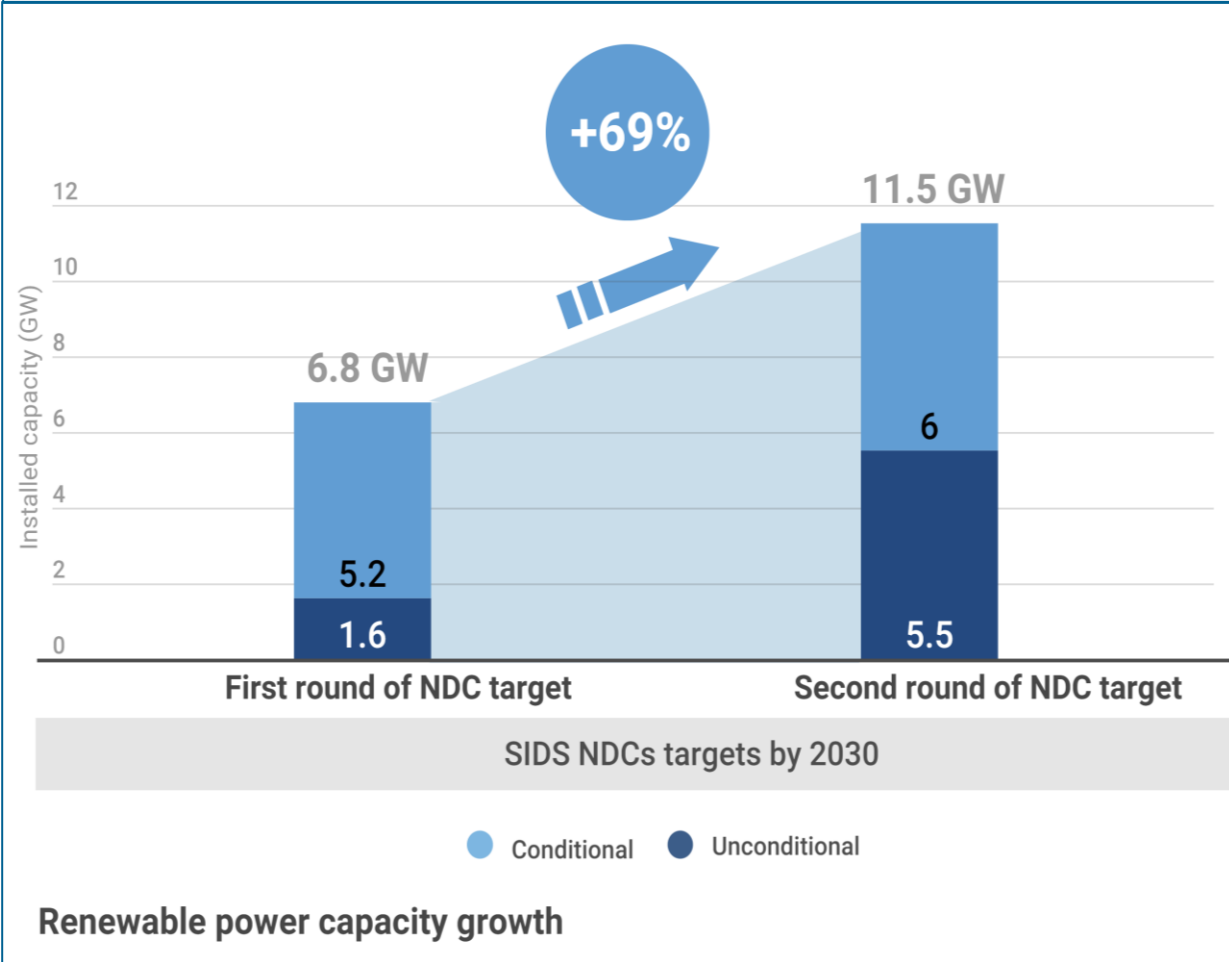
Total installed renewable energy capacity in SIDS



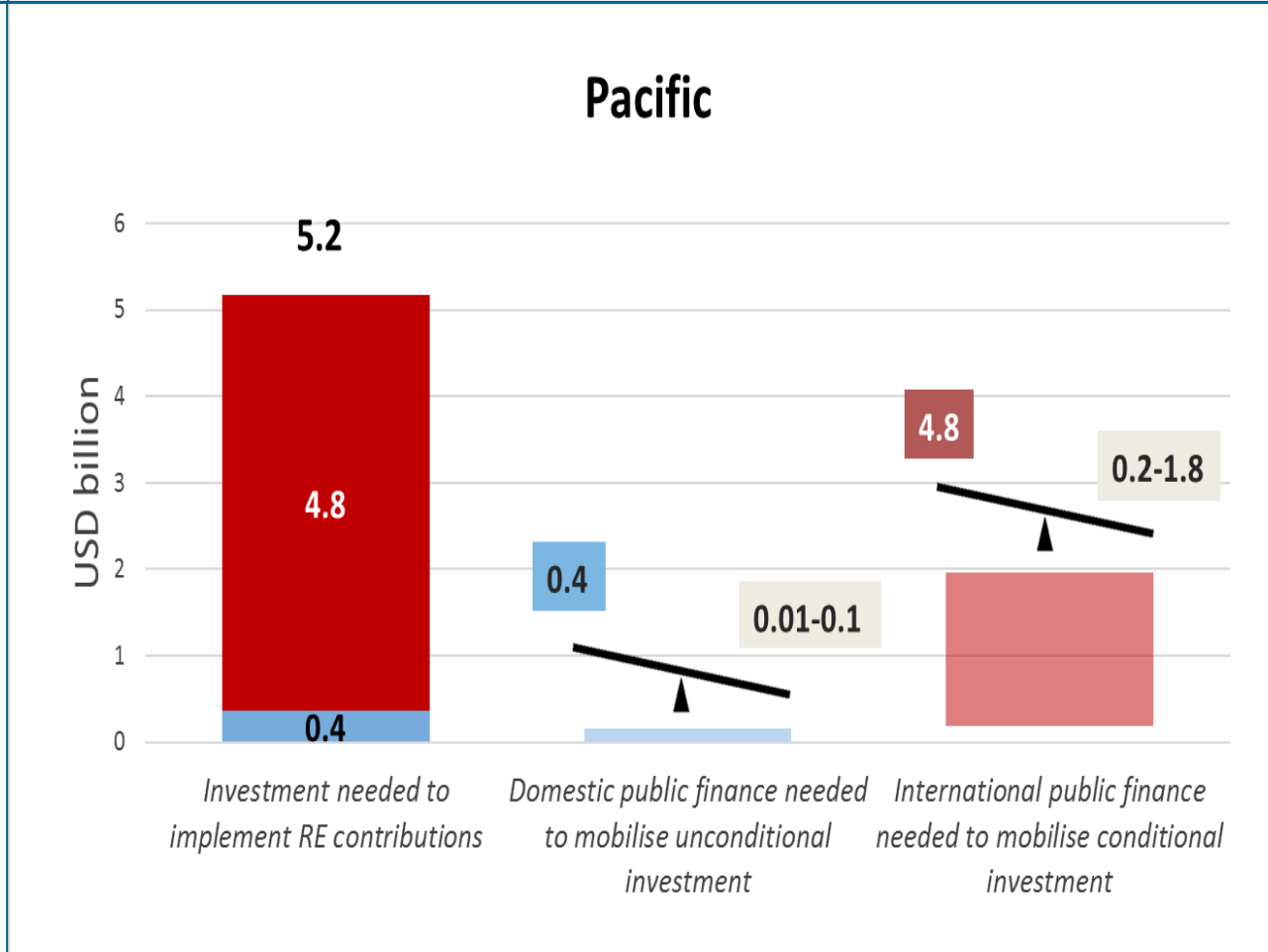
Total installed renewable energy capacity by technology for all SIDS (2014-2021)

SIDS NDC Targets and Investment Needs

RE Target Growth from the first to the second round of NDCs



Additional investments needed by 2030 based on the first round of NDCs



Pacific SIDS NDC targets increased from 1.4 GW to 2.38 GW

Moving from assessments to investments

Energy Transition Roadmaps and Assessments

- **Decarbonization roadmaps for power, water and transport sectors:** Kiribati, Palau
- **Renewable Readiness Assessment:** Fiji, Kiribati, Marshall Islands, Solomon Islands, Vanuatu
- **Data and Statistics:** Palau, Papua New Guinea, Tonga
- **Electricity regulatory gap analysis:** Fiji
- **Grid assessments:** Cook Islands, Fiji, Samoa, Vanuatu
- **Solar City Simulator:** Solomon Islands

Energy Transition Project Facilitation

- **Project pipeline development:** 3 projects from the Pacific
- **Technical support and capacity building to improve bankability:** Kiribati, Vanuatu
- **Project matchmaking through:**

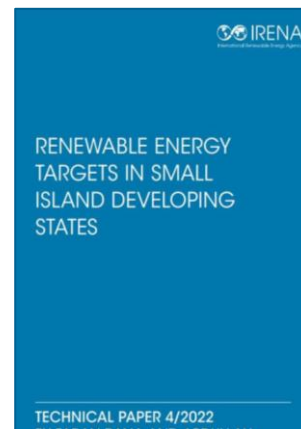
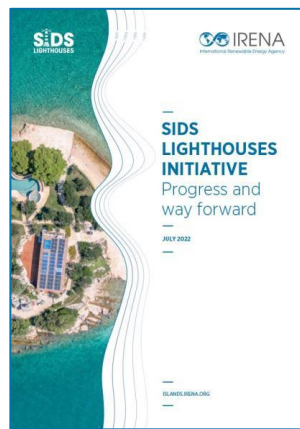


New COP28 Initiative

Empowering Lives and Livelihoods:
Renewables for Adaptation

Investment Forum for Energy Transition:
Pacific 2023-2024

Facilitating SIDS agenda at COP28, which
will be hosted in the UAE



Capacity Building Support

Climate finance tracking of
the energy sector

Technical Webinars – Ocean
Energy, Offshore renewables

Development of Bankable
Power Purchase Agreements

Assessment of GHG
Mitigation Policies and
Projects & RE Target Setting

Development of bankable
concept notes for climate
finance in SIDS

VRE Grid Integration

Energy management and
Energy Audits

Socioeconomic benefits of
RE
Resource Assessment

Project pipeline
development

Knowledge sharing and outreach



- Upcoming IRENA and SIDS LHI events
- Partner events
- Vacancy posts
- Publications announcements

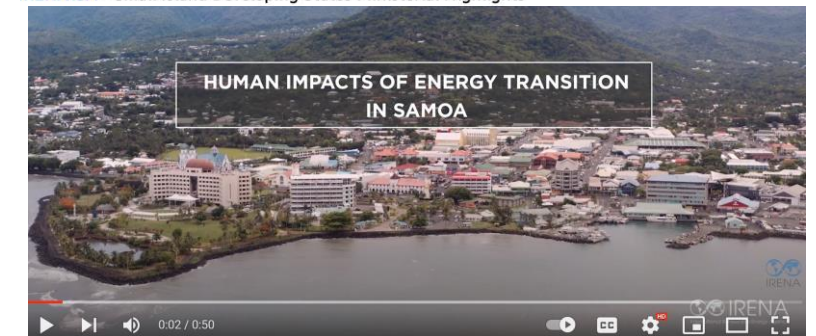


- SIDS LHI and partner events
- Information dissemination
- Call for interest for various IRENA and SIDS LHI services and tools

- Human impact of energy transition videos
 - RE in food, water and health nexus
 - job creation, entrepreneurship, gender equality;
 - education; to address food and water security, as well as other disaster resilience measures in SIDS.



IRENA13A - Small Island Developing States Ministerial Highlights



Thank you | Vinaka vakalevu

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