

# Pacific Capacity Building Programme for Energy Management and Energy Audits

**Day 1 : Monday 27<sup>th</sup> February 2023**

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27 February – 03 March 2023  
Sofitel Resort, Nadi, Fiji

# Opening Session

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WELCOME REMARKS

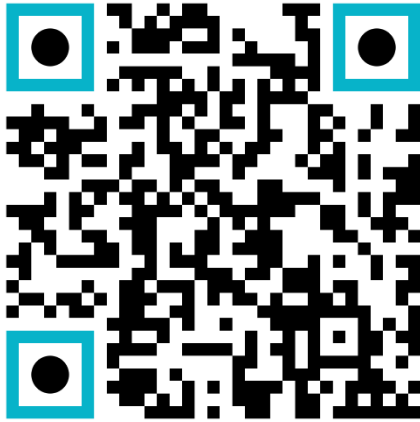
KEYNOTE ADDRESS

# Housekeeping and Introductions

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## SURVEY

## Q1 - Expectations



## Q2 - Background



## Q3 - Experience



# IRENA Overview

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SIDS LIGHTHOUSES INITIATIVE

OBJECTIVES OF THE CAPACITY BUILDING PROGRAMME

# Overview of IRENA

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- » 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
- » 168 Members as of 2022; 12 Pacific SIDS

## 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

# Overview of the SIDS Lighthouses Initiative

## 40 SIDS & 35 Partners

4 SIDS & 4 Partners joined in 2022

- Launched in 2014 and aligned to the S.A.M.O.A Pathway goals
- Operational framework for SIDS climate initiatives: AOSIS-IRENA Energy Compact, Ambitious SIDS Climate Action
- Offers support in LHI priority areas through dedicated analysis, technical assistance and project facilitation support
- Engaged with 18 SIDS through 56 workstreams for NDC support since 2020
- 11 priority areas

NDC support,  
Technical Assistance,  
Capacity Building

Implementation  
Innovative Solutions

All renewable energy sources

Bankable projects  
Access to finance

Institutional and  
Human Capacity

Transport  
Other end-use sectors

Energy Efficiency

Nexus  
Socio-economic development  
Gender

Climate Resilience  
Disaster recovery

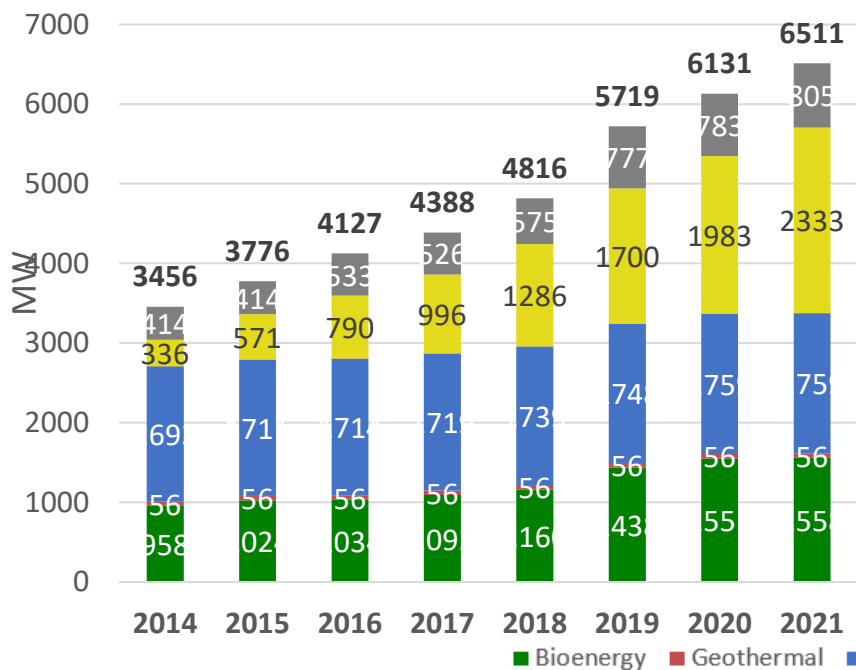
Statistics

Synergies with  
other SIDS initiatives

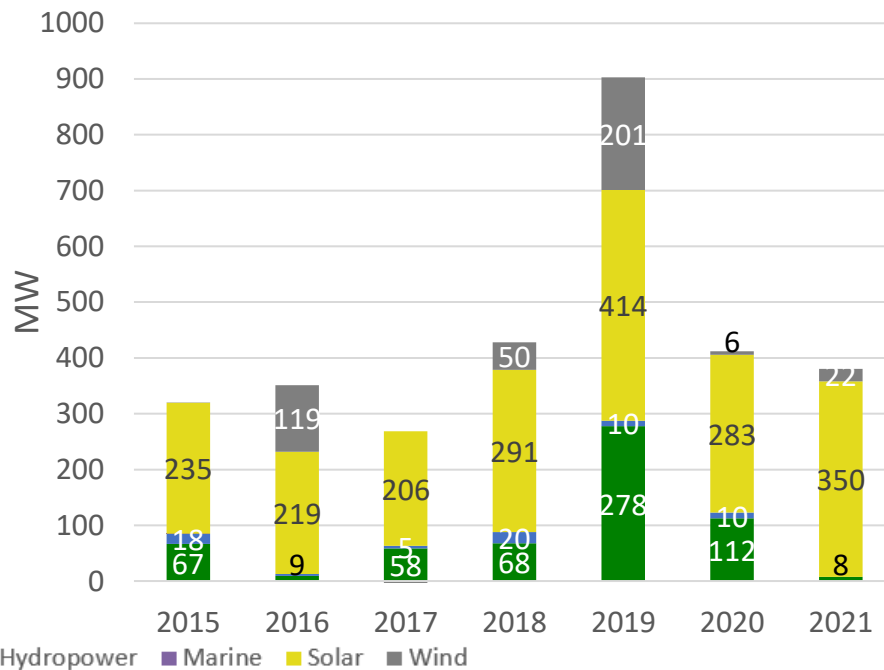
**Total of RE installed capacity of 10 GW for all SIDS by 2030**

# Total installed renewable energy capacity in SIDS

**Total installed renewable energy capacity by technology  
(MW, 2014 - 2021)**



**Yearly new renewable energy capacity additions  
(MW, 2015-2021)**



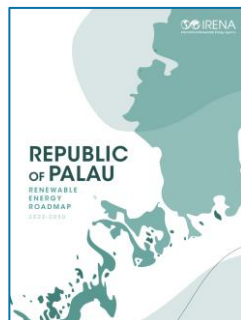
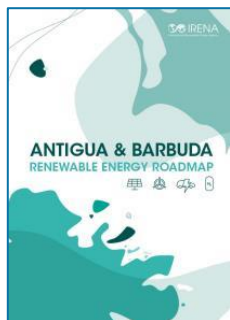
Source: IRENASTAT



# Moving from assessments to investments

## Energy Transition Roadmaps and Assessments

- **Decarbonization roadmaps for power and transport sectors:** Antigua & Barbuda, Palau
- **Renewable Readiness Assessment:** Solomon Islands
- **Energy-health assessment:** São Tomé & Príncipe
- **Electricity regulatory gap analysis:** Fiji
- **Grid assessments:** Dominican Republic
- **Solar City Simulator:** Mauritius, São Tomé & Príncipe, Seychelles



## Energy Transition Project Facilitation

- **Project pipeline development:** 7 projects registered from Caribbean and Pacific
- **Technical support and capacity building to improve bankability:** Haiti, Kiribati, Vanuatu, AIS and Caribbean
- **Project matchmaking through:**



**New COP28 Initiative**  
**Empowering Lives and Livelihoods:**  
**Renewables for Adaptation**

**IRENA Investment Forums for Energy Transition:**  
**Caribbean 2023**

# Knowledge sharing and outreach



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



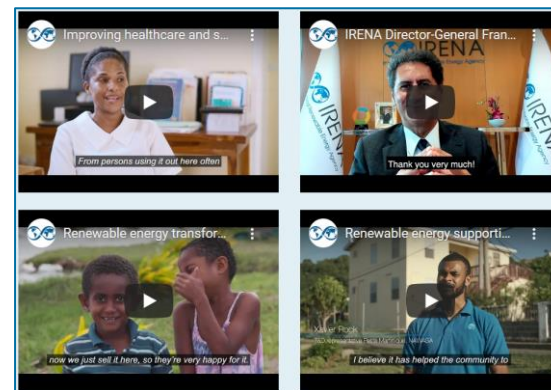
- Event invitations to SIDS LHI and partner events
- Information dissemination
- Call for interest for various IRENA and SIDS LHI services and tools



- Human impact of energy transition videos
- Impacts of RE in food, water and health nexus
- Call for accelerating RE uptake in SIDS



Video production on socio-economics benefits and human impacts of the uptake of renewables in SIDS : **job creation, entrepreneurship, gender equality; education; to address food and water security, as well as other disaster resilience measures in SIDS.**



## Capacity Building Support

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Climate finance tracking of the energy sector

Technical Webinars – Ocean Energy, Offshore renewables

Power Purchase Agreements in AIS, Caribbean and Pacific regions

Pacific Regional Training on the Assessment of GHG Mitigation Policies and Projects

Development of bankable concept notes for climate finance in SIDS

Energy management and Energy Audits



27 Feb – 01, 19, 20  
March 2023



27 Feb – 03 March 2023

# Capacity Building Programme on Energy Management and Energy Audit

## Objectives:

- Targeting entry level officers from energy divisions, power utilities and other relevant sectors
- Aims to provide an introduction in to energy management with a focus on conducting an Level 1 Energy Audit
- Completed training for Grenada in June 2022.

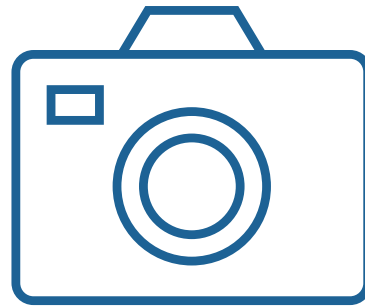
## Training Content:

- The principles of energy use including importance of energy efficiency and energy management
- Case studies: Home, Government Buildings, Hotel, Fisheries,
- Energy consumption calculations
- Identification of energy saving opportunities
- Prioritization of viable recommendations



*This event builds on the Grenada Capacity Building on Energy Management and Energy Audit, June 2022*

# Group Photo & Coffee Break



# Overview of Pacific SIDS Energy Sector

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COUNTRY AND PARTNER PRESENTATIONS

# Presentations

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Cook Islands

Fiji

Kiribati

SPC

## Presentations

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Marshall Islands

Federated States of Micronesia

Nauru

PCREEE



# Lunch



# Presentations

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Niue

Palau

Papua New Guinea

Samoa

## Presentations

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Solomon Islands

Tonga

Tuvalu

Vanuatu

# Coffee Break





# Interactive Session

# Thank You

## SIDS Lighthouses Initiative



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<https://islands.irena.org>



[SIDS Lighthouses  
Initiative](#)

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