

**QUESTIONNAIRE IRENA**  
(UN System and Other Relevant Entities)

**Implementation of the SAMOA Pathway and the Mauritius Strategy for the Further  
Implementation of the Programme of Action for the Sustainable Development of Small  
Island Developing States survey for the Secretary-General report in 2019.**

**1. Addressing Gaps and Challenges:**

- a. From among the programmes/projects that have been implemented by your organization over the reporting period, please elaborate on any implementation challenges that have been encountered (**Word Limit for responses: 2500**).
- Limited capacity. SIDS are in several cases faced with limited human capacity across the renewable energy value chain. Capacity building efforts have been increased Lighthouses Initiative partners to improve the skills of individuals and institutions, e.g. through trainings and workshops (e.g. on integration of high share of variable renewable energy) or through the development of platforms and tools (e.g. the IRENA Project navigator).
  - Lack, or poor quality, of energy data is a challenge. Lighthouses partners have supported data collection and management and are undertaking capacity building initiatives to support data collection, management and sharing.
  - Efforts are being undertaken to increase the coordination among multiple stakeholders active in SIDS.
- b. What have been the lessons learned and how will these be taken into account for the remaining implementation period of the SAMOA Pathway? (2019-2024)?

Some of the lessons learned from the implementation of the SIDS Lighthouses Initiative, which have contributed to define the new priority areas of the Initiative, can be summarised as follows:

- The focus so far has often been on the power sector; however, to achieve the SGD 7 and to fully succeed in the energy transformation, it is recommended to adopt a holistic approach, extending the focus to all renewable energy technologies and to include, for example, transport and e-mobility, energy efficiency, and take into consideration the crucial nexus with non-energy sectors (food and agriculture, water, health, etc.).
- It is essential to intensify technical assistance and capacity building in SIDS in all segments related to renewable energy development, including to support efforts towards the review and implementation of NDCs.
- There is a need to strengthen SIDS capacity in collection and analysis of data to allow for informed decision-making on the most suitable solutions and for the vital monitoring of impact;
- It is important to facilitate project development and access to affordable finance as well as to support the involvement of the private sector.

## 2. Outreach/Publications

- a. Please include a link to the annual progress report(s) of your organization, or any other relevant progress report(s). If present, please identify the sections relevant to SIDS/SAMOA Pathway implementation. Please also add any other publication issued by your organization the covers SIDS

Information related to the SIDS Lighthouses Initiative can be found on this link:  
<https://islands.irena.org/>

IRENA Annual Progress Reports can be found on this link:  
[https://www.irena.org/officialdocuments?document\\_topic=ce5bda1664a64091ad66f87b80a4b5dc](https://www.irena.org/officialdocuments?document_topic=ce5bda1664a64091ad66f87b80a4b5dc)

Other related SIDS/islands publications can be found on this link:  
<https://www.irena.org/publicationsearch?keywords=sids,%20islands>

- b. Does your organization manage any website dedicated exclusively to SIDS?

The SIDS Lighthouses Initiative website: <https://islands.irena.org/>

## 3. Preparations for the Mid-Term Review – A High-Level review of the Samoa Pathway will take place on 27<sup>th</sup> of Sept. 2019 in UNHQ, as mandated by [A/RES/72/307](#).

- a. Is your organization conducting or planning to conduct any internal review of SIDS programmes in preparation for the Mid-term review of the Samoa Pathway? If so, please provide.

IN 2018 IRENA, as SIDS Lighthouses Initiative (LHI) coordinator, undertook a consultation process with LHI partners to review the Initiative and identify new priority areas, after the initial LHI targets for 2020 were met three years ahead of schedule. This resulted in the development of the second phase of SIDS LHI which was launched at the UNGA in September 2018. The video from this event can be found on this link:  
<http://webtv.un.org/search/sids-lighthouses-2.0-increasing-ambition-to-accelerate-energy-transformation-in-small-island-development-states/5841833536001/?term=sids%20lighthouses%20initiative&sort=date>

The new priority areas of LHI are included in the publication titled ‘*SIDS Lighthouses Initiative. Progress and way forward*’ (IRENA, 2019) available online (and attached for ease of reference).

## ANNEX 1

### 1. Financing

For UN systems, to the extent possible, please refer to the Samoa Pathway: UN System Implementation Matrix in Column 4

Priorities identified in the Samoa Pathway	Investments (USD)	Budget Allocation	FY/ Cycle/ Period	UN system specify SAMOA Pathway Paragraph
Sustainable, inclusive and equitable economic growth				
Climate Change				
Sustainable Energy		80%		
Disaster Risk Reduction				
Oceans and seas				
Food Security and Nutrition				
Water and Sanitation				
Sustainable Transportation				
Sustainable Consumption and Production				
Chemical and Waste management				
Health and NCDs				
Gender equality				
Social development				
Biodiversity				
Means of implementation		20%		
Etc.				
<b>Total</b>				

### 2. Measuring Progress

#### **SIDS Lighthouses Initiative**

##### **Aims/Goals/Targets**

Launched at the 2014 Climate Summit, the **SIDS Lighthouses Initiative** of IRENA supports the development of a global framework for energy transition on islands. The initial targets of the Initiative, to be met by 2020, included:

- Deploy 100 MW of new solar PV
- Deploy 20 MW of new wind power
- Mobilize USD 500 million

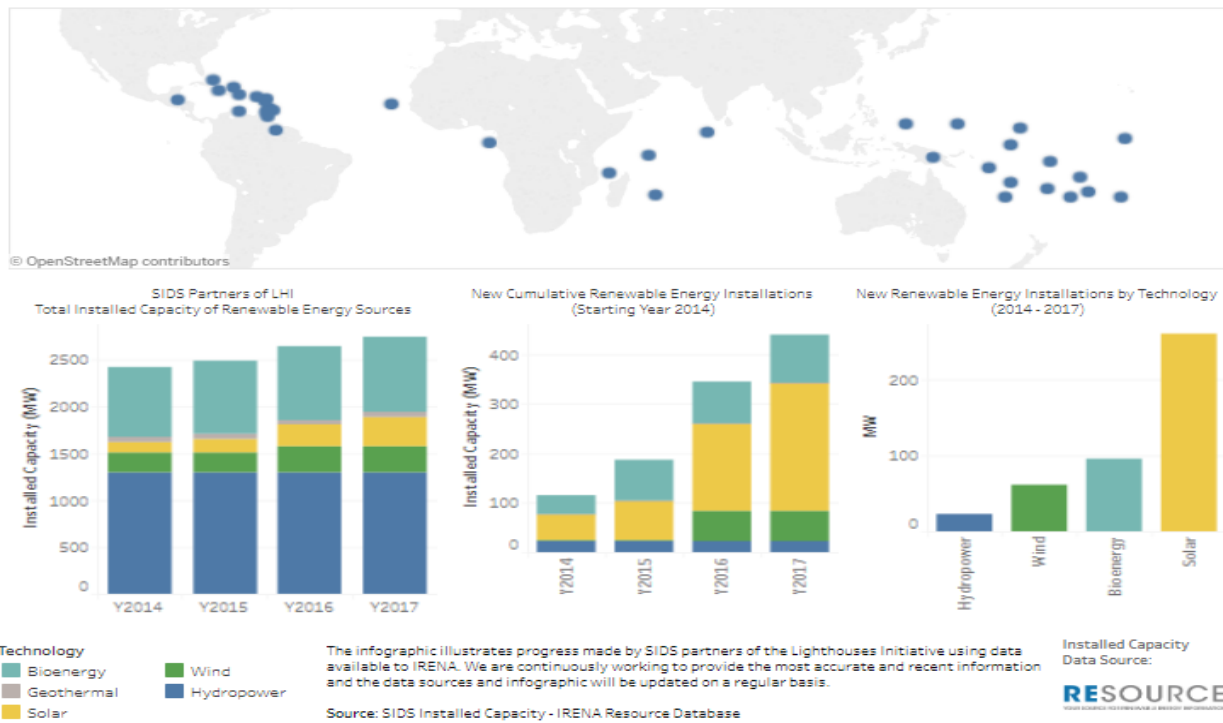
- Deploy significant quantities of small hydropower and geothermal energy and a number marine technology projects in progress
- Ensure all participating SIDS develop renewable energy roadmaps.

### Results -100% of target achieved

IRENA data shows that at the end of 2017 SIDS partners of LHI accounted for more than 2.75 GW of total RE installed capacity. More than 400 MW of RE capacity has been installed from 2014 to 2017. The LHI wind power target has also been exceeded with over 50MW installed in the same period. Further, funds mobilized have exceeded the initial target of 500 million USD.

### IRENA’s Progress since 2014

Renewable Energy Progress in SIDS Lighthouses Initiative Members



<https://islands.irena.org/RE-Progress/Progress-Data>

Having achieved the initial targets of the Initiative ahead of schedule, a consultation with LHI partners was undertaken by IRENA in 2018 in order to identify priorities and target in the next phase of the Initiative. SIDS and other partners launched the new phase of LHI at the United Nations General Assembly held in New York in September 2018. In that context, the following priority areas were endorsed:

- Support SIDS in reviewing and implementing Nationally Determined Contributions (NDCs), extending technical assistance and capacity building where needed.

- b) Expand from assessment and planning to implementing effective, innovative solutions, with continued technical and regulatory advisory services to help SIDS overcome the unique challenges they face.
- c) Promote all renewable sources, including geothermal and ocean energy, and step up work to integrate solar PV and wind power.
- d) Support the development of bankable projects, fostering access to finance and closer co-operation with the private sector.
- e) Strengthen institutional and human capacity development in all segments of the renewable energy value chain.
- f) Expand focus beyond power generation to include transportation and other end-use sectors.
- g) Leverage synergies between renewables and energy efficiency.
- h) Reinforce links between renewables and non-energy sectors – including agriculture, food, health and water – to foster broad socio-economic development, as well as raising awareness about job creation, gender equality and women’s empowerment through renewable energy development.
- i) Link renewable energy uptake to climate resilience and more effective disaster recovery.
- j) Enhance collection and dissemination of data and statistics, supporting informed decision-making and effective monitoring.
- k) Reinforce and expand partner engagement, leveraging synergies with existing SIDS initiatives and other IRENA co-ordinated platforms, such as the Global Geothermal Alliance, the International Off-Grid Renewable Energy Conference and the Coalition for Action.
- l) Boost renewable power deployment, aiming for a target of five gigawatts (GW) of installed capacity in SIDS by 2023.

3. Please report using the table below for successful examples. If the work has already been reported last year using the table please only add updates if any, otherwise skip filling out the table and elaborate on the rest of the question (I, II, III)

<https://sidsnetwork.org/secretary-general-report-samoa-pathway/>

Name of Project/ Programme/ Activity	Main Themes/ Goals addressed		Target Countries, Regions, Sectors	Goals	Intervention Type  (Tech transfer, Capacity development etc.)	Total Budget (US\$)	Impleme ntation  Period
	Samoa Pathway	SDGs					
IRENA- Private Financing Advisory Network (PFAN) Matchmaking Forum, 4 June 2018	Sustainable Energy	SDG 7	Asia-Pacific	To bring together regional finance and project development professionals to meet, share ideas and take concrete steps on viable projects identified in need of project finance, project development and risk management support	Capacity development  Project facilitation		
IRENA-Isolated Power System Connect, Training workshop on	Sustainable Energy	SDG 7	Caribbean, Pacific	The workshop featured a training based on Project Navigator with contribution from international experts	Capacity development		

renewable energy project development and financing for Pacific and Caribbean Small Islands, 15 – 19 October 2018				from the industry presenting applications of island renewable energy projects in SIDS with the aim to identify key enablers for the successful replication in Caribbean and Pacific Small Islands	Project facilitation		
IRENA-Caribbean Development Bank, Project Finance Matchmaking event at Caribbean Renewable Energy Forum 2018  07 November 2018	Sustainable Energy	SDG 7	Caribbean	To bring together finance and project development professionals in the Caribbean to support selected projects on project finance, project development and risk management support.	Project facilitation		
IRENA-Indian Ocean Commission workshop on renewable energy project development and financing in the Indian Ocean Islands 19 – 23 November 2018	Sustainable Energy	SDG 7	Indian Ocean	To guide participants to prepare better renewable energy project proposals with sessions and group exercises on key issues on the topic of solar PV project development for utility-scale and distributed applications.	Capacity development  Project facilitation		
IRENA-Association of Development Financing Institutions in the Pacific (ADFIP) workshop, Strengthening the Capacity of Development Finance Institutions in the Pacific to Finance Renewable Energy and Energy Efficiency, 22 – 23 November 2018	Sustainable Energy	SDG 7	Pacific	To enhance the engagement of local FI's, in RE finance; improve the understanding of the sector in relevant technologies; credit and risk management strategies and tools; domestic policies and regulations, and the upskilling of staff in local FI's responsible in assessing RE loans.	Capacity development  Project facilitation		
IRENA- Centre of Excellence for Sustainable Development of SIDS, Caribbean Workshop on Renewable Energy in Small Islands	Sustainable Energy	SDG 7	Caribbean	The goals of the workshop were:  1. To identify factors and strategies to increase renewable energy penetration in SIDS while being cognizant of climate resilience;	Capacity development,  Information sharing		

Developing States: How to strengthen resilience and accelerate renewable energy deployment, 28 – 30 November 2018. Aruba				<p>2. To discuss how to improve the financial and policy frameworks in support of renewable energy</p> <p>3. to strengthen local capacities and examine strategies to assist countries in achieving NDCs targets</p>			

- **Enhanced local capacity.** SIDS Lighthouses partners have continued to collaborate to support capacity building in SIDS. Some examples are the workshops held in 2018 to support developers in the preparation of bankable renewable energy projects in the Caribbean and Pacific regions as part of the IPS Connect conference and the workshop held in partnership with the Indian Ocean Commission in Mauritius using the islands module of the IRENA ‘Project Navigator’. Capacity building was also provided at the local level for Pacific financial institutions to facilitate financing for local renewable energy projects.
  
- **Improved Planning.** Lighthouses partners have supported SIDS in energy sector planning. Grid integrations studies for Vanuatu and Fiji were completed in 2018, and these will provide assistance to policy makers in determining how and what amounts of variable renewable energy can be implemented in these countries.  
A publication, *Transforming Small Island Power Systems* (<https://irena.org/publications/2019/Jan/Transforming-small-island-power-systems>), was published in January 2019. This guide is aimed to assist in decision making and carrying out successful technical planning studies on solar and wind integration into power systems of SIDS.
  
- **Information sharing.** Continuous upgrades are made to the SIDS Lighthouses Initiative website (<http://islands.irena.org>) which was launched to promote and disseminate information on SIDS and support their energy sector transformation. A new video (<https://youtu.be/Nq4pDMqOZIE>) has been developed by IRENA to highlight the transition of SIDS Lighthouses Initiative to the new priority areas. Sharing of lessons learned and best practices was also a key component of the Caribbean workshop on Renewable Energy in Small Island Developing States, which was held in Aruba in November 2018 in partnership with the Centre of Excellence for Sustainable Development of Small Island Developing States. The workshop brought together participants from 10 countries and territories.
  
- **Facilitated access to financing.** The IRENA-ADFD Project Facility continues to provide concessional loans over 7 funding cycles to promising renewable energy projects in developing countries. In the 6<sup>th</sup> cycle an additional Guyana was awarded US \$8 million to install 5.2 MW of solar PV in the hinterland regions of the country. Implementation work is currently underway for projects in Antigua and Barbuda, Cuba, and Mauritius.  
Two events were held in 2018 in support of facilitating access to financing. The first was held in the Asia-Pacific region and the second in the Caribbean. Both consisted of bringing project

developers together with project financiers in an event were developers were able to pitch their projects to potential financial backers. At the end of the Caribbean event, 4 Non-Disclosure Agreements (NDAs) were signed in evidence of a further commitment to continue discussions on those projects.

**4. Outreach/Publications: See Above**