

QUESTIONNAIRE

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 SG report in 2018.

Please take time to read thoroughly, before starting the Questionnaire.

PART A

Policy, Legal, Institutional and Financial Arrangements for Implementation

1. (Organizational Arrangements) Is there a Focal Point/Unit dealing with implementation of the Samoa Pathway? If yes, where is it located within the institutional architecture of your country or institution? If no, please explain how the implementation of the SAMOA Pathway is currently coordinated?

Item 49 of the SAMOA Pathway specifically refers to IRENA,

“to continue to provide adequate support, including in the areas of capacity-building and technology transfer, on mutually agreed terms, for the development and implementation of national, regional and interregional energy policies, plans and strategies to address the special vulnerabilities of small island developing States. We welcome the Global Renewable Energy Islands Network of the International Renewable Energy Agency, which helps small island developing States by pooling knowledge and sharing best practices.”

The outcome of the Third International Conference on SIDS, the SAMOA Pathway, urged all stakeholders to join forces in supporting SIDS in the development and implementation of their national, regional and interregional sustainable energy plans and strategies. The SIDS Lighthouses initiative, launched at the 2014 Climate Summit, and coordinated by IRENA, provides a framework for action for SIDS and partners, to move away from a project by project approach and transform energy system in SIDS through a coordinated, holistic and sustainable approach, considering medium and long-term requirements and impacts.

The SIDS Lighthouses Initiative is an inclusive and neutral multi-stakeholder platform that brings together public, private, inter-governmental and non-governmental actors that share a common vision of accelerating deployment of renewable energy on islands. IRENA works with other SIDS Lighthouses partners¹ to support SIDS through *inter alia* capacity building, project facilitation, transition planning support, which are aimed towards the transition of the energy sector to include growing shares of renewable energy.

¹ SIDS LHI has received generous support of the governments of France, Germany, Japan, the Kingdom of the Netherlands, the Kingdom of Norway, New Zealand and the United Arab Emirates.

2. (Policy and Legislative arrangements) Is the Focal Point/Unit supported by an enabling policy and/or legal framework? If yes, please describe. If no, how is the Focal Point/Unit enabled to lead or facilitate the implementation of SAMOA Pathway. How has this affected progress on the implementation of the SAMOA Pathway in your organization at national and regional levels?

The SIDS Lighthouses provides a framework for action to enable SIDS energy system transformation, by moving away from developing projects in isolation to a holistic approach that considers all relevant elements spanning from policy and market frameworks, through technology options to capacity building.

IRENA and SIDS Lighthouses partners provide technical advice and capacity building support to SIDS as needed, and facilitate targeted engagement of stakeholders and mobilization of funding in the seven priority action areas identified in the Initiative Action Plan: (i) Institutional Frameworks; (ii) Knowledge Base; (iii) Transition Planning; (iv) Financing; (v) Renewable Energy Deployment and Operation; (vi) Human Capacity Building and (vii) regional and international cooperation.

By 2020, The Lighthouses Initiative aims to:

- Mobilize USD 500 million
- Deploy 100 MW of new solar PV
- Deploy 20 MW of new wind power
- 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 (over 60% to date)

At the end of 2017, IRENA data shows that SIDS partners of LHI currently account 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. SIDS have already exceeded the LHI solar PV target with over 250 MW installed between 2014 and 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.

Having already achieved, today, most of the above-mentioned objectives, work is currently underway to develop a new phase of the Initiative.

3. (Financial Arrangements) Please give an indication of:
- (i) **For States** - the percentage of national budgets allocated to supporting SAMOA Pathway thematic priorities over the last fiscal year.
 - (ii) **For UN system agencies, Regional institutions and international development partners** - percentage of the total budgets invested into SIDS priority areas over the last Fiscal year:

Priorities identified in the Samoa Pathway	Budget Allocation
Sustainable, inclusive and equitable economic growth	
Climate Change	
Sustainable Energy	80%
Disaster Risk Reduction	
Oceans and seas, water and sanitation, biodiversity	
Waste management	
Health	
Gender equality	
Social development	
Means of implementation (including partnerships and institutional support)	20%
Etc.	
Total	

Implementation of the SAMOA Pathway and Support to SIDS

4. (Work Programme Arrangements) Please give an indication of:

- (i) **For SIDS** - Does your country have a current long-term National Development Plan? If yes, to what extent has it been aligned to the SAMOA Pathway and/or the 2030 Agenda? Is this plan being implemented? If no long-term plan exists, please indicate what is being used in place of a long-term National Development Plan.
- (ii) **For UN system agencies, Regional institutions and international development partners** – what strategic documents/frameworks/policies/plans guides support for the implementation of the SAMOA Pathway and/or the SDGs if any? How is it resourced and implemented? How often is it revised?

The Action Statement and Action Plan endorsed by the SIDS Lighthouses partners (<http://islands.irena.org/ENERGY-SIDS-Lighthouse-Initiative.pdf>) identifies the objectives and the key priority areas of the Initiative. Resources to implement activities are part of the annual workplans and budgets of Lighthouses partners. The role of IRENA as the hub of the Initiative has been resourced through the IRENA core budget and the generous voluntary support of the governments of France, Germany, Japan, the Kingdom of the Netherlands, the Kingdom of Norway, New Zealand and the United Arab Emirates.

The action plan and the objectives for the Phase 2 implementation of the Initiative are currently under revision, taking into consideration the emerging challenges since the launch of the initiative as well as the fact that most of the originally set targets have already been achieved.

5. Using the table below, please provide an overview of the work (programmes, projects, actions, etc.) that your Organization/Government is implementing or plans to implement in support of the SAMOA Pathway and/or the SDGs for the biennium 2017-2018? (Please exclude Conferences and partnerships as this is covered in a separate section).

Name of Project/ Programme/ Activity	Themes/ Goals addressed		Target Countries, Regions, Sectors	Expected Achievements	Intervention Type (tech transfer, Capacity development etc.)	Total Budget (US\$)
	Samoa Pathway	SDGs				
Energy Roadmaps	Sustainable Energy Institutional support to SIDS	SDG 7	Kiribati, Palau	Country analyses to assess RE potential and enable policy makers to determine best means to		

				achieve RE targets		
Grid Integration Studies	Sustainable Energy Institutional support to SIDS Capacity building	SDG 7	Antigua & Barbuda, Cook Islands, Samoa, Dominican Republic, Fiji, Vanuatu	To enable countries to better plan how to integrate VRE to the national grids	Capacity Development	
Support Renewable Energy Deployment in Asia-Pacific Island Nations in Tokyo and Kobe (Japan) in February and October 2017.	Sustainable Energy Institutional support to SIDS Capacity building	SDG 7	Asia-Pacific SIDS	To support Government officials, private sector, financing institutions in the development of project proposals to access climate finance through various entities including the Green Climate Fund (GCF), the Climate Investment	Capacity Development	
Training Workshop on VRE Grid Integration Studies and Power System Modelling (23 October – 3 November 2017, Fiji)	Sustainable Energy Institutional support to SIDS Capacity building	SDG 7	Pacific SIDS	IRENA, in cooperation with the Pacific Power Association, organised a hands-on workshop to train utility engineers in Pacific islands in the use of power system analysis software tools. The application of the tools will enable the countries to plan for the integration of high shares of renewable	Capacity Development	

				energy resources, especially wind and solar, into electricity grids and facilitate their efforts towards achieving the targets of their national policies and nationally determined contributions (NDCs).		
Pacific Energy Investors Group - Renewable Energy Investment Roundtable in August 2018	Sustainable Energy Institutional support to SIDS	SDG 7	Pacific	The meeting will bring together regional stakeholders to have focused discussion on opportunities and overcoming challenges to increase financing flows to Pacific region RE projects. Target audience will be SIDS project developers and financiers.	Capacity building	
Publication of SIDS Lighthouses Quickscan Interim Report	Sustainable Energy	SDG 7	38 countries ²	Quickscans support serve as a tool for initial	Capacity development	

² IRENA and the Association of the Overseas Countries and Territories of the European Union (OCTA), a Lighthouses partner, assisted the following 28 SIDS partners of the Lighthouses initiative in completing Quickscans: Anguilla*, Antigua and Barbuda, Aruba*, Bahamas, Bermuda*, British Virgin Islands*, Cook Islands, Federated States of Micronesia, Fiji, French Polynesia*, Kiribati, Maldives, Marshall Islands, Mauritius, Montserrat*, Nauru, New Caledonia*, Niue, Palau, Samoa, Seychelles, Sint Maarten*, Solomon Islands, Tonga, Trinidad and Tobago, Turks and Caicos*, Tuvalu and Vanuatu. With assistance from OCTA, the following 10 non-SIDS islands, which all have the status of OCTs completed Quickscans: Bonaire, Falkland Islands, French Southern and Antarctic territories (TAAF), Pitcairn Islands, Saba, Saint Barthélemy, Saint Helena, Saint-Pierre-et- Miquelon, Sint Eustatius and Wallis et Futuna. * Overseas Countries and Territories of the European Union.

	Institutional support to SIDS			assessment of condition for renewable energy development in SIDS	Information sharing	
Project Navigator - Island Module	Sustainable Energy	SDG 7	Open to all islands	The Project Navigator is intended to provide comprehensive and practical information, tools and guidance to assist in the development of bankable renewable energy projects. The island module was designed specifically to meet the needs of SIDS	Capacity building Information sharing Project Facilitation	
IRENA-ADFD Project Facility	Sustainable Energy	SDG 7	Open to ODA eligible countries only		A project in Mauritius was awarded a loan as part funding for an initiative that will increase the renewable energy capacity by 10,000 MW	
Sustainable Energy Marketplace	Sustainable Energy	SDG 7	Open to all islands	The Sustainable Energy Marketplace is a virtual marketplace connecting renewable energy project owners, financiers/investors, services providers and technology suppliers. A	Project facilitation	

				separate regional section for SIDS is included in the Marketplace.		
--	--	--	--	--	--	--

PART B

1. What challenges have you encountered in the implementation of the SAMOA Pathway, or in supporting SIDS to implement? What solutions or potential solutions have been or can be adopted to address these challenges?
 - Lack, or poor quality, of energy data is a challenge. Lighthouses partners have support data collection and management and are undertaking capacity building initiatives to support data collection, management and sharing.
 - Limited capacity. SIDS are in several cases faced with limited human capacity across the renewable energy value chain. Capacity building efforts have been increased by LHI partners to improve the skills of individuals and institutions, e.g. through 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).
 - Efforts are being undertaken to increase the coordination among multiple stakeholders active in SIDS.

2. To what extent is your country capable of meeting the human and financial resource requirements for implementation of the SAMOA Pathway?

N/A

3. To what extent has your country been able to access international development assistance required to implement the key aspects of the Samoa Pathway?

N/A

PART C

1. For the year 2017, please describe any key results achieved as a result of ongoing work being implemented by your organization/Government in the thematic areas of the SAMOA Pathway. What impact, if any, has this had at national and/or regional levels.
 - **Enhanced local capacity.** SIDS Lighthouses partners have continued to collaborate to support capacity building in SIDS. Some examples are the recent workshops to identify new project opportunities and explore practical steps to develop bankable proposals. Such workshops were conducted in Japan and in Fiji in 2017 to train participants from Fiji, Samoa, Maldives, Palau, Papua New Guinea, Marshall Islands, Nauru, Niue, Tonga and Tuvalu. IRENA, Green Climate Fund and Global Environment Facility staff have been involved in the organization.

The islands module of the IRENA ‘Project Navigator’ has also been developed in 2017 with the aim to support developers in the preparation of bankable renewable energy projects in SIDS.

- **Improved Planning.** Lighthouses partners have supported SIDS in energy sector planning. For example, the grid integration study for the Cook Islands has supported the development of Cook Islands Renewable Energy Charts for the island of Aitutaki, and informed the implementation plan to achieve 100% renewables in the country by 2020.

The grid integration study for Antigua has given policy-makers and the public utility insights on the amount of variable renewable energy that can be implemented on the island without major infrastructure upgrades.

New grid integration studies were started in 2017 for the Dominican Republic, Fiji, and Vanuatu and the final results are expected for end 2018.

The roadmap analysis for Palau provides renewable energy deployment options for the main national grid.

A roadmap analysis for Palau provides renewable energy deployment options for the main national grid.

- **Information sharing.** A dedicated website (<http://islands.irena.org>) for SIDS Lighthouses Initiative was launched to promote and disseminate information on SIDS and support their energy sector transformation. A video (<https://youtu.be/B6b15GqjoMY>) has been developed by IRENA, with the support of Government of Germany, to increase awareness on current issues facing islands and to highlight the need for immediate action to transform SIDS into more resilient economies. At the end of May 2018, the video had been viewed 2,915,426 times and shared over 2,000 times.
- **Facilitated access to financing.** The IRENA-ADFD Project Facility provides concessional loans over 7 funding cycles to promising renewable energy projects in developing countries. Up to the 5th cycle, 10 of 21 projects selected were in SIDS, reflecting USD \$111m of a total USD \$214m. Additional funding for these projects amounted to over US \$365m.

PART D

1. Indicate the extent to which the issues and concerns of SIDS are given due consideration in conferences or similar processes organized or supported by your organization during year 2017. In your explanation, please include the purpose, frequency, size (funds, participation) of the conference.

	Title of the Process/Conference	Purpose	Average no. of participants every year	Please explain SIDS participation in the conference /process	Outcome document and how SIDS priorities are reflected in the documents.
1	SIDS Energy Day at COP23	To mark the progress, spur collective resolve and inspire further action on climate resilience and adaptation through renewable energy adoption across small islands.	Not an annual event	During the day, panels on transforming the energy landscape in SIDS, strengthening resilience to climate change and facilitating implementation of NDCs, and supporting SIDS energy sector transformation, took place. The SIDS energy Day concluded with a High-Level Segment. The event was organized by IRENA	IRENA SIDS Energy Day - https://irenanewsroom.org/tag/islands/

				with the support of Germany	
2	IRIE Ministerial Launch (10-11 October 2017)	Attended by ministers and senior officials from thirty countries and organizations	Not an annual event	The meeting was hosted by the Maldives, the current AOSIS chair. The meeting also served as preparatory event for the Bonn Climate Change Conference	IRIE Ministerial - http://www.irena.org/events/2017/Oct/IRIE-Ministerial
3	The First High-Level Conference of Global Geothermal Alliance (GGA) (11 September 2017, Italy)	The meeting was attended by more than 200 high-level public, intergovernmental, non-governmental and private sector representatives committed to scaling up geothermal energy deployment worldwide	Not an annual event	There are 7 SIDS members of the Alliance. IRENA is the coordinator and facilitator of the Alliance which provides advisory services, capacity building support, and facilitation of access to financing and risk mitigation instruments.	Florence Declaration The High-Level representatives of the members of the Alliance agreed to, <i>‘Support the Alliance as a knowledge-sharing platform that can serve to expand information on geological context, exploration, deep drilling and production technologies to provide modern and sustainable energy services for all countries, and particularly developing countries, including Small Island Developing States and landlocked countries’</i>
4	High-Level Meeting on the scaling up of deployment of renewable energy in SIDS (IRENA 8 th Assembly, 12 January 2018, Abu Dhabi)	The meeting was held to present the latest activities undertaken by IRENA and the LHI Partners; highlight successful examples contributing to establish the right frameworks for scaling up renewable energy deployment; and to discuss the way forward for LHI	Not an annual event	SIDS Members States of IRENA, Lighthouses partners, observer institutions	The outcomes of the meeting will be included in the Report of the 8 th Assembly of IRENA http://www.irena.org/newsroom/articles/2018/Jan/Through-Renewables-Islands-Seek-to-Turn-Urgency-into-Opportunity
	Side event on Improving SIDS capacities to deliver bankable projects (IRENA 8 th Assembly, 12 January 2018, Abu Dhabi)	The side-event of the 8th IRENA Assembly on improving SIDS capacities to deliver bankable renewable energy projects aimed to better understand the main incentives for	Not an annual event	IRENA Member States and observer institutions	http://irena.org/events/2018/Jan/Improving-islands-capacities-to-develop-bankable-renewable-energy-projects

		developing renewable energy projects, clarify needs in terms of capacity building to develop bankable renewable energy projects and generate ideas on how IRENA's project facilitation platforms can further accelerate the development of renewable energy projects in SIDS.			
--	--	---	--	--	--

PART E

1. Have you implemented any new partnerships **during the year 2017?**

The IRENA supported the Maldives, as Chair of the Alliance of Small Island States (AOSIS), on the organization of the inaugural ministerial meeting of the Initiative for Renewable Island Energy (IRIE), hosted on 10-11 October 2017 in Male, Maldives. IRIE aims to facilitate political coordination and outreach to development partners, in order to mobilize the resources needed to achieve rapid renewable energy transformation in SIDS.

PART F

Please include any other information you may wish to share, including links and reports (page and sections specified)

1. Quicksans Interim report: <http://www.irena.org/publications/2017/Nov/SIDS-Lighthouses-quicksan-Interim-report>
2. New Global Geothermal Alliance website: <http://www.globalgeothermalalliance.org/>

Thank you.