



INFRASTRUCTURE FOR RESILIENT ISLAND STATES

INFRASTRUCTURE FOR RESILIENT ISLAND STATES (IRIS)

An initiative co-curated by SIDS and CDRI
partners to promote resilient, sustainable
and inclusive infrastructure development

Background

The Small Island Developing States (SIDS) face several economic, social and environmental challenges owing to their geophysical and structural constraints. Most of these countries are prone to disastrous effects of climate change while facing unique development challenges such as remoteness to global markets, poor connectivity, lack of economies of scale and inadequate labour-mobility.

Resilient, sustainable and inclusive infrastructure plays a key role in not only mitigating these challenges, but also meeting the development needs of SIDS. More investment and improved institutional capacity for infrastructure system is urgently needed if SIDS are to maintain their sustainability and effectiveness in service delivery momentum and respond to disaster and climate change risk effectively.

Goal

IRIS aims to achieve sustainable development through a systematic approach to resilient, sustainable, and inclusive infrastructure in SIDS.

Guiding Principles

Anchored on the key guiding principles of co-creation and complementarity, IRIS is co-curated by SIDS representatives and CDRI partners. IRIS will proactively build complementarity with past and ongoing initiatives that support disaster and climate resilient infrastructure development in SIDS. IRIS will design and implement projects considering the demands and absorptive capacities of SIDS and strive to foster SIDS ownership and leadership in the development of resilient, sustainable and inclusive infrastructure.

Priority Sectors



Telecom
Infrastructure



Energy
Infrastructure



Transport
Infrastructure



Housing
Infrastructure



Water and
Sanitation
Infrastructure



Coastal
Infrastructure



Health
Infrastructure

Technical Support

IRIS will provide technical support on multifaceted issues posed by infrastructure systems and promote disaster and climate resilience of infrastructure assets in SIDS. The goal of IRIS will directly contribute to the SAMOA Pathway (SIDS Accelerated Modalities of Action), and target to deliver the following three outcomes:



Improved resilience of SIDS infrastructure to climate change and disaster risks

- ❖ Strengthened institutional mechanism to increase the resilience of SIDS infrastructure
- ❖ Enhancement of building codes, standards, regulations and certification processes
- ❖ Risk and resilience assessments to facilitate risk-informed infrastructure policy development
- ❖ Post-disaster damage and loss assessments of critical infrastructure sectors
- ❖ Enhancement of policy and governance to build back better
- ❖ Business Continuity Planning (BCP) by stakeholders engaged in infrastructure provisioning



Strengthened knowledge and partnerships for integrating resilience in SIDS infrastructure

- ❖ Research on SIDS infrastructure good practices and lessons
- ❖ Academic partnerships with SIDS research and educational institutions
- ❖ Documentation of local adaptation strategies related to infrastructure
- ❖ Peer-to-peer learning and capacity building on Disaster Resilient Infrastructure
- ❖ Creation of a marketplace to facilitate the matching of demand and supply for the resilient infrastructure solutions
- ❖ Creation of a knowledge platform on resilient infrastructure

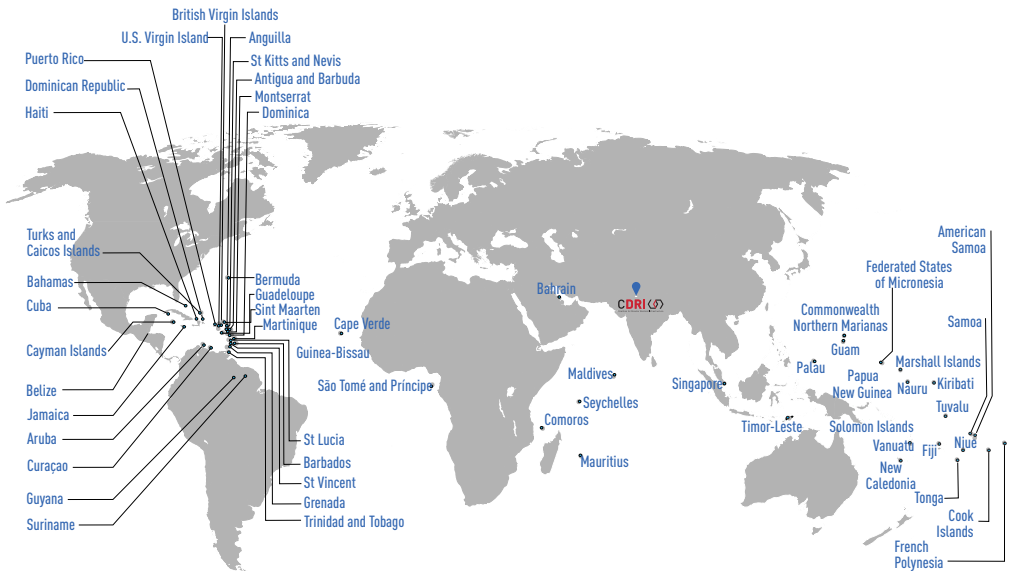


Gender equality and disability inclusion promoted through resilient SIDS infrastructure

- ❖ Partnerships with organisations with 'whole of the society approach'
- ❖ Integration of gender equality and disability inclusion in SIDS infrastructure assets and services
- ❖ Commissioning specific research on inclusive infrastructure in SIDS
- ❖ Development of guidelines and manuals for inclusive infrastructure in SIDS
- ❖ Participation of people with disabilities in infrastructure planning, regulation development and decision making
- ❖ Documentation of good practices and lessons for further learning

Geographic Coverage

SIDS comprise a heterogeneous mix of 58 countries located across the Caribbean, the Pacific, and the Atlantic, Indian Ocean, Mediterranean and South China Sea. IRIS will cater to all SIDS. In the initial phase, IRIS will prioritize the needs of the most vulnerable SIDS.



Interested countries or organizations, please contact:
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Hosted at CDRI Secretariat



Coalition for Disaster Resilient Infrastructure