

# Pacific Islands Urban Resilience

ICLEI Oceania



ICLEI Oceania has extensive experience working with cities and communities in Australia, New Zealand and Asia to help them build greater resilience to climate change and disasters and to adopt low carbon approaches. This experience is now being refined for use with Pacific Island towns, cities and provinces

# Pacific Islands Urban Resilience – Toolkit

## April 2017

## What is the PIUR Toolkit?

This toolkit provides an integrated planning and action approach that can be followed by any small island local or provincial/regional authority. It brings together climate resilience, disaster resilience and energy resilience to underpin an island's sustainable development priorities.

## Features

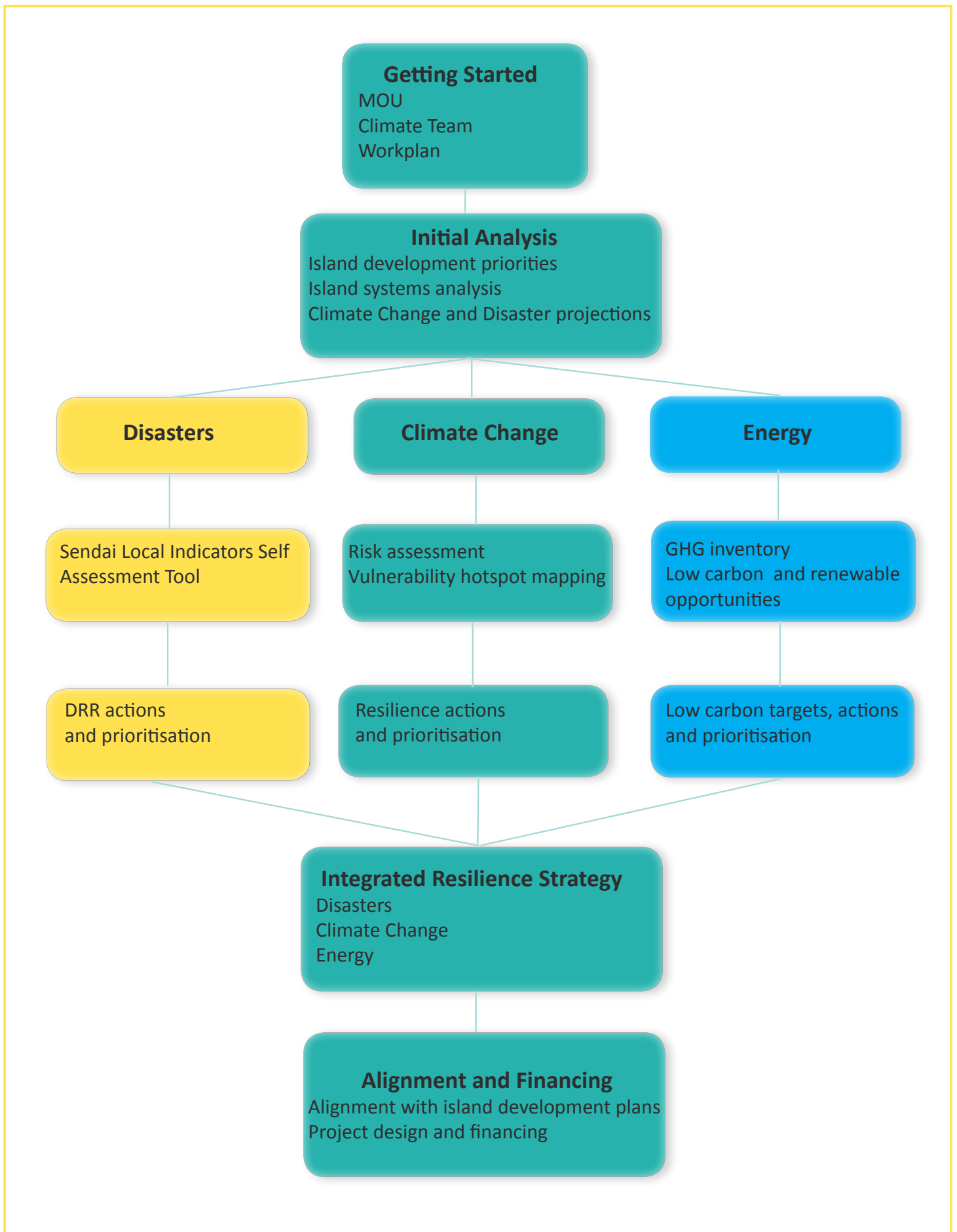
- The process begins by considering the existing problems and priorities being faced by the island community. This may include major development priorities, provision of basic services, declining natural resources, recent disasters – it is a “Development First” approach.
- An analysis of climate change impacts and disaster risks, present and projected, is then applied to these priorities and problems.
- The analysis focuses initially on how to adapt to, or build greater resilience to, climate change and disasters, which may cover sectors such as water, food, transport, housing. Particular attention may be given to sustainable energy supplies.
- The three streams are combined into a Resilience Strategy and then integrated into the island development planning. Finally, assistance is provided to prioritise and assess options for action, to scope projects and to identify opportunities for financing and for the [Compact of Mayors \(CoM\)](#).
- This process may be followed step-by-step by a local authority which has done little previous planning, but may also be used to bring together the outcomes of earlier projects into a consolidated resilience plan. In this case the early steps could be fast-tracked.
- The Toolkit is supplemented by technical tools, programs and case studies available through the ICLEI international network.

The toolkit has been informed by approaches taken by a number of other partner organizations, including the UN Habitat Cities for Climate Change Initiative (CCCI), the USAID framework for Climate Resilience Development (March 2014) and aspects of the toolkits developed by ICLEI Canada and ICLEI US. It also incorporates a set of Disaster Risk Reduction tools developed by UNISDR for the [Making Cities Resilient Campaign](#) and builds on the CoM program compliance steps.

## Policy Context

- This approach is closely aligned with the recently launched [Framework for Resilient Development in the Pacific \(FRDP\)](#) (September-October 2016) which has three Goals:
  - Strengthened integrated adaptation and risk reduction
  - Low carbon development
  - Strengthened disaster preparedness, response and recovery
- It follows a **Development First** approach by applying risk reduction to existing development priorities
- It is underpinned by the [ICLEI Urban Agendas \(ICLEI Seoul Plan 2015-2021\)](#)

# Process Flowchart



Step	Activities	Tools, Resources (indicative)
<b>Getting Started</b>	Signed commitment from local authority Form internal climate team Identify and add other stakeholders as required Develop workplan and communications plan	ICLEI ACCCRN Process (IAP) Signup to CoM
<b>Initial analysis</b>	Develop city profile, including development priorities, previous initiatives, available data Assessment of systems, services most under pressure Climate Change, Disaster data and projections CC impacts on fragile island systems	IAP: <ul style="list-style-type: none"> <li>• Baseline Questionnaire</li> <li>• Climate Ready Review</li> </ul> Pacific Futures CC modeling
<b>Climate Change Stream</b>		
<b>Risk Assessment</b> <b>Hotspot mapping</b>	Risk Assessment of fragile systems Mapping of vulnerability hotspots for each high risk system Adaptive capacity of Actors Adaptive capacity of Systems Data gap analysis	Risk Standard AS/NZS ISO 31000:2009  IAP  CoM adaptation
<b>Resilience Actions prioritization</b>	Developing actions, interventions Screening and prioritization Alignment with local authority planning Climate adaptation plan for CoM	IAP
<b>Energy Stream</b>		
<b>GHG Inventory</b> <b>Low Carbon opportunities</b>	Data collection, development of inventory BAU projection Analysis of opportunities to reduce GHG Identification of sustainable energy options	ICLEI GCC toolkit Global Protocol for Reporting Community Emissions (GPC) CoM

<b>Low Carbon actions prioritization</b>	Developing actions, interventions Quantifying potential GHG reductions Screening and prioritization Alignment with local authority planning Inventory/Target/Plan for CoM	CDIA Prioritisation Tool UN Sustainability for All (SE4all) initiative 100%RE network
<b>Disaster Stream</b>		
<b>Self Assessment</b>	Local Government Self Assessment Tool (Sendai) from UNISDR Analysis of strengths, areas for improvement Mapping of high risk areas, aligning with CC hotspots	UNISDR Handbook for Local Leaders Local Indicators self-assessment tool
<b>DRR actions prioritization</b>	Developing actions, interventions Screening and prioritization Alignment with local authority planning	
<b>Integrated Resilience Strategy</b>		
<b>Climate Change Energy Disasters</b>	Synthesising actions from 3 streams above Screening for feasibility, co-benefits and maladaptation Prioritisation Public Reporting	CDIA Prioritisation Tool ICLEI Carbonn Climate Registry
<b>Next Steps</b>		
<b>Project Design and Financing</b>	Developing costed project proposals Conducting pre-feasibility studies Identifying financing opportunities	CDIA Pre-Feasibility Study ICLEI Transformative Actions Program (TAP) Climate Finance Leadership Alliance