



## Overview

UN Environment, on behalf of the UNFCCC and the GEF, is implementing Phase III of Technology Needs Assessments (TNAs). Besides the identification of technology needs the TNAs will lead to the development of national Technology Action Plans (TAPs) that recommend enabling frameworks for the diffusion of these prioritized technologies and facilitate identification of good technology transfer projects with links to relevant financing sources. The TAP will systematically suggest practical actions necessary to reduce or remove policy, finance and technology related barriers.

The national agency driving the country's climate change agenda is the Climate Change Division (CCD) of the Ministry of Economic Growth and Job Creation (MEGJC)



Based primarily on vulnerability, the prioritized sectors in the ongoing Jamaican TNA process, for adaptation and mitigation, are (i) **Agriculture, Coastal Resources, Water Resources and Energy.** The objective is to ultimately select Jamaica-specific and appropriate climate friendly technologies for each sector, which can be transferred and diffused into the Jamaican societies, through national projects funded by both local and international donors (e.g. the Global Climate Facility or GCF), to accelerate the transformation to low-emission and sustainable societies which are resilient to the impacts of climate change.

## Prioritization of Technology

### A mapping process of stakeholders for each sector was first completed

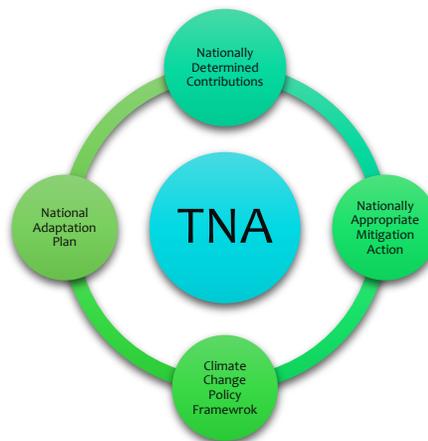
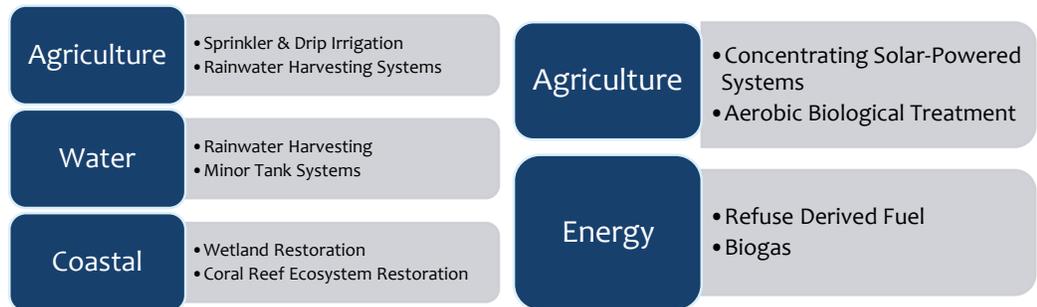
Stakeholders were selected through a mapping process of the selected sectors, inclusive of public and private sector, academia and others. **Gender balance** was considered during the stakeholder mapping and the selection of the 35 members of the Technical Working Groups (TWG)

### Interviews were conducted with stakeholders to identify known and available climate related technologies and to validate an initial long list of technologies and Technology Fact Sheets prepared for each shortlisted technology

Long (187) and short (32) lists of technologies were developed for each sector following discussions on the capital and operational costs, benefits to farmers, current status of the use of the technologies, disadvantages of the technology options and how the technology could assist the sectors in responding to the effects of climate change

### Technologies prioritized for adaptation and mitigation

Ten (10) technologies were prioritized from the initial list of 187 options through consultations with the TWG for each sector following a ranking based on economic, social, environmental and climatic criteria



### Next Step- Barrier Analysis & Enabling Framework

In this the second phase of the TNA process, the barriers to the diffusion of the prioritized technologies will be examined and the measures and enabling framework for overcoming barriers addressed using a range of tools- among them problem tree analysis and market mapping.

The TNA process for Jamaica is informed by the Third National Communication (TNC), the Nationally Appropriate Mitigation Action (NAMA), the Renewable Energy NAMA, and the Nationally Determined Contributions (NDCs).

