UNCTAD National Workshop Saint Lucia 24 – 26 May 2017, Rodney Bay, Saint Lucia

"Climate Change Impacts and Adaptation for Coastal Transport Infrastructure in Caribbean SIDS"

Adaptation/DRR portfolio of UNDP Barbados and the OECS in the Eastern Caribbean

By

Mizushi Satoh

UNDP Barbados and the OECS

This expert paper is reproduced by the UNCTAD secretariat in the form and language in which it has been received. The views expressed are those of the author and do not necessarily reflect the views of the UNCTAD. **United Nations Development Programme**



. Resilient nations

Adaptation/DRR portfolio of UNDP Barbados and the OECS in the Eastern Caribbean

Mizushi Satoh Programme Analyst, Energy and the Environment





- UNDP Barbados and the OECS
- Our adaptation/DRR portfolio
 - 1. JCCCP
 - 2. ICCAS
 - 3. EWS
 - 4. DREAM
- Contact information
- * Disclaimer

Outline

UNDP Sub-regional Office for Barbados and the OECS





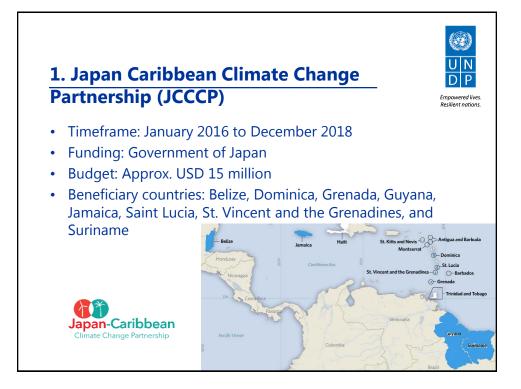
Partner countries:

Barbados and 9 OECS member states (Anguilla, Antigua & Barbuda, British Virgin Islands, Dominica, Grenada, Montserrat, Saint Lucia, St. Kitts & Nevis, and St. Vincent & the Grenadines)

<u>Strategic focus:</u>

UN Multi-Country Sustainable Development Framework in the Caribbean (MSDF) 2017-2021 for wider Caribbean, with 4 priority areas:

- 1) An inclusive, equitable, and prosperous Caribbean
- 2) A healthy Caribbean
- 3) A cohesive, safe, and just Caribbean
- 4) A sustainable and resilient Caribbean

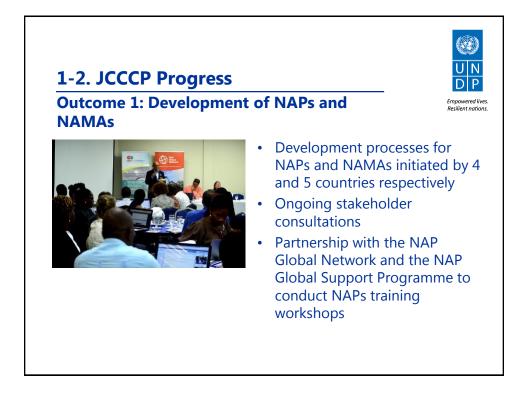




1-1. JCCCP Objective & Outcomes







1-3. JCCCP Progress Outcome 2: Pilot projects

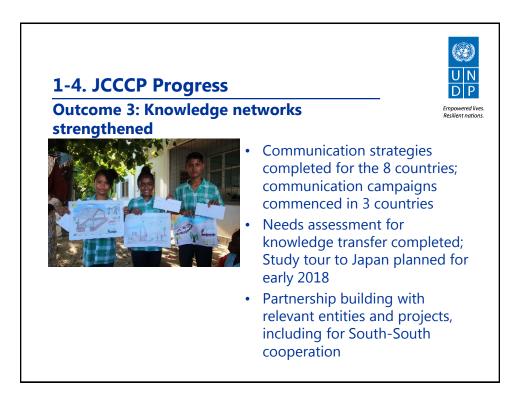


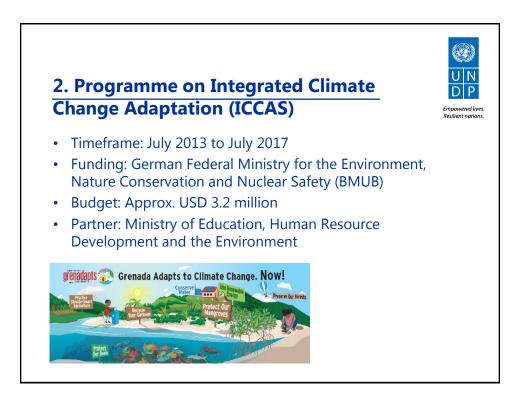


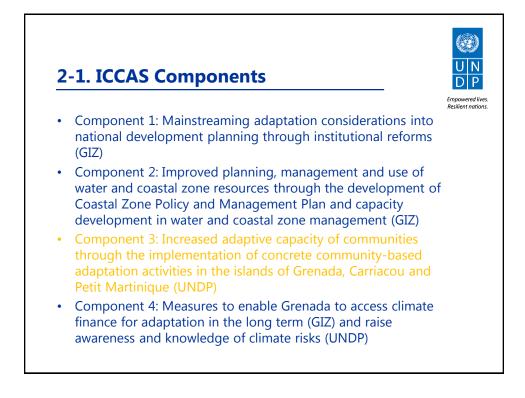
41 pilot project proposals submitted (as of 31 March 2017)

Focus Area	No.
Water resources management	11
Sustainable agriculture	21
Community-based climate resilient infrastructure	4
Renewable energy and energy efficiency	5
10 approved (4 in Jamaica, 3 in St. Vincent and 3 in Suriname)	

• 3 commenced (3 in St. Vincent)







2-2. ICCAS Component 3

Community Climate Change Adaptation Fund (CCCAF)

- A USD 1.3 million fund
- Supporting 29 community projects (of 162 proposals received from CBOs/NGOs), involving 67 communities benefiting over 50,000 people
- Focus areas include research into climate resilient crops, youth-led adaptation initiatives, livelihood adaptation initiatives (inc. climate smart agriculture) and water resource management
- More info on: https://undpadaptation.exposure.co/integration-and-action

2-3. CCCAF Community project 1

Rainwater Harvesting Project: Grenada School for Special Education (USD 44,000)

> Resulted in increased water availability for the school







. Resilient nations

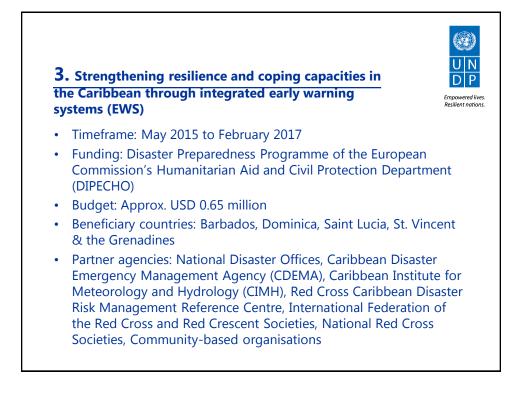
2-4. CCCAF Community project 2 Top Hill Cistern Revitalisation (USD 50,000)

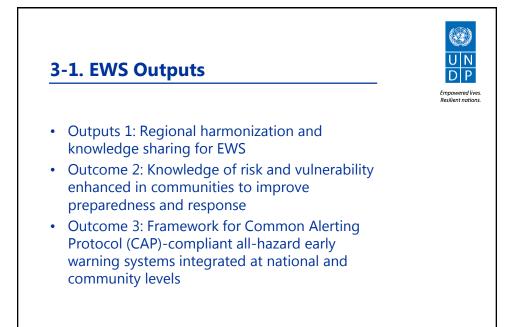




Proposed by Top Hill Senior Citizens' Home Background: No river in Carriacou; dependence on rainwater harvesting; extensive rainwater storage systems on the island; the Top Hill Public Cistern needs rehabilitation

- Revitalised cistern provided water not only for the senior citizens home but also local farmers and their families; potential for greater agricultural productivity in the dry season
- Reduced the need for trucking water for local hotels, guest houses, and restaurants; significant cost saving







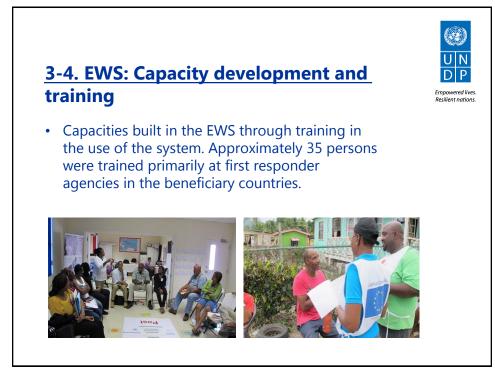
3-3. EWS: Public awareness and education

- Knowledge of risks in 6 communities improved through completion of Vulnerability and Capacity Assessment
- Current level of knowledge on hazards faced assessed in 7 communities through Knowledge, Attitude, and Perception (KAP) Baseline survey
- Level of change measured through



- Four school emergency operation plans developed and approved by the Ministry of Education (Dominica)
- Tsunami Smart Sign unveiled (Barbados)



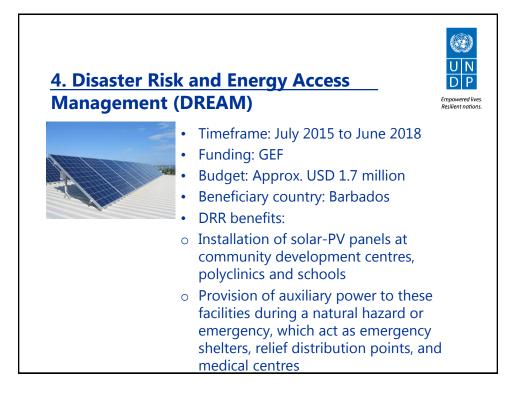




3-5. Recommendations from EWS

- Need for continuous training to manage the systems installed for a long period of time
- Need for more full scale simulation exercises involving all key agencies





Empowered lives. Resilient nations.

 (\mathbf{b})

1. JCCCP Ms. Yoko Ebisawa (yoko.ebisawa@undp.org)

Contacts

- 2. ICCAS Mr. Lorenzo Harewood (lorenzo.harewood@undp.org)
- 3. EWS Mr. Marlon Clarke (<u>marlon.Clarke@undp.org</u>)
- 4. DREAM Mr. Jason LaCorbiniere (jason.lacorbiniere@undp.org)