

# Caribbean Climate Online Risk and Adaptation Tool for Water (CCORAL – Water)

## Stakeholder briefing note on the development of water tools to support the CCORAL decision making support system in the Caribbean

### Summary

This note is intended to provide an initial briefing to stakeholders and initiative partners involved in applying the Caribbean Climate Online Risk and Adaptation Tool (CCORAL) to Water in the Caribbean. This initiative is being implemented by the Global Water Partnership Caribbean (GWP-C)<sup>1</sup> in collaboration with the Caribbean Community Climate Change Centre (CCCCC) and is funded by the Climate and Development Knowledge Network (CDKN). The initiative contributes to capacity development and knowledge component of the WACDEP as well as the CCORAL decision making support system developed by CCCCC.

**The objective** of this CCORAL-Water initiative is to develop and disseminate practical and user friendly tools for climate resilient decision making focussed at the water sector. These tools will sit on the CCORAL platform enhancing the functionality of the CCORAL tools in identifying specific climate risks and providing solutions to support decision making requirements within the Caribbean water sector.

**The outcome** of this initiative is anticipated to be improved climate risk management through the creation of a climate risk management ethic in water sector planning and management activities. In the long term this is leading towards improved water security and climate resilient decision making in the Caribbean water sector.

The CCORAL-Water initiative is being developed with engagement across five countries, Barbados, Belize, Jamaica, Saint Lucia and Suriname but the tools themselves will be applicable and available to all Caribbean countries through the CCORAL system, hosted by the CCCCC.

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#### **Background on the CCORAL<sup>2</sup> platform**

*This initiative builds on the Caribbean Climate Online Risk and Adaptation Tool (CCORAL) which was launched in July 2013 and provides an online support system for climate resilient decision making. The CCORAL arose in response to the objective of developing a risk management ethic in decision making in the Caribbean as set out in the Implementation Plan for the CARICOM Regional Framework for Achieving Development Resilient to Climate Change (IP).*

<sup>2</sup> CCCCC (2013). CCORAL – the Caribbean Climate Online Risk and Adaptation tool (CCORAL). CCCCC, Belize. [www.caribbeanclimate.bz/ccoral](http://www.caribbeanclimate.bz/ccoral)

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### **Caribbean Climate Online Risk and Adaptation Tool (CCORAL)**

Climate resilient decision making for government staff particularly those involved in national

#### **CCORAL-Water**

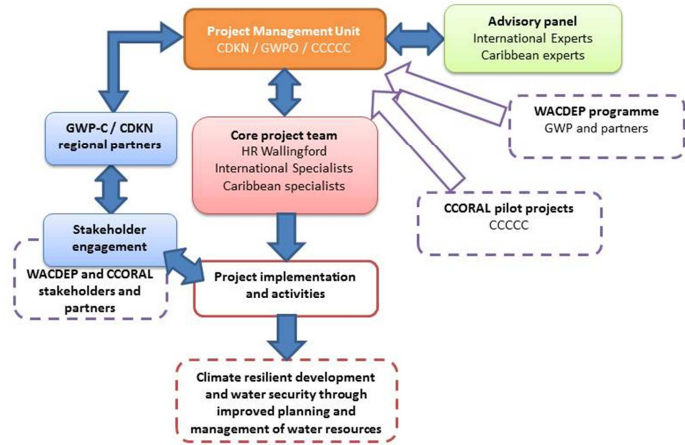
Climate resilient decision making tools for technical staff involved in water related planning (government departments, utilities, private sector)

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<sup>1</sup> The CCORAL-Water project is being undertaken as part of the GWP-C Water Climate and Development Programme (WACDEP) in the Caribbean

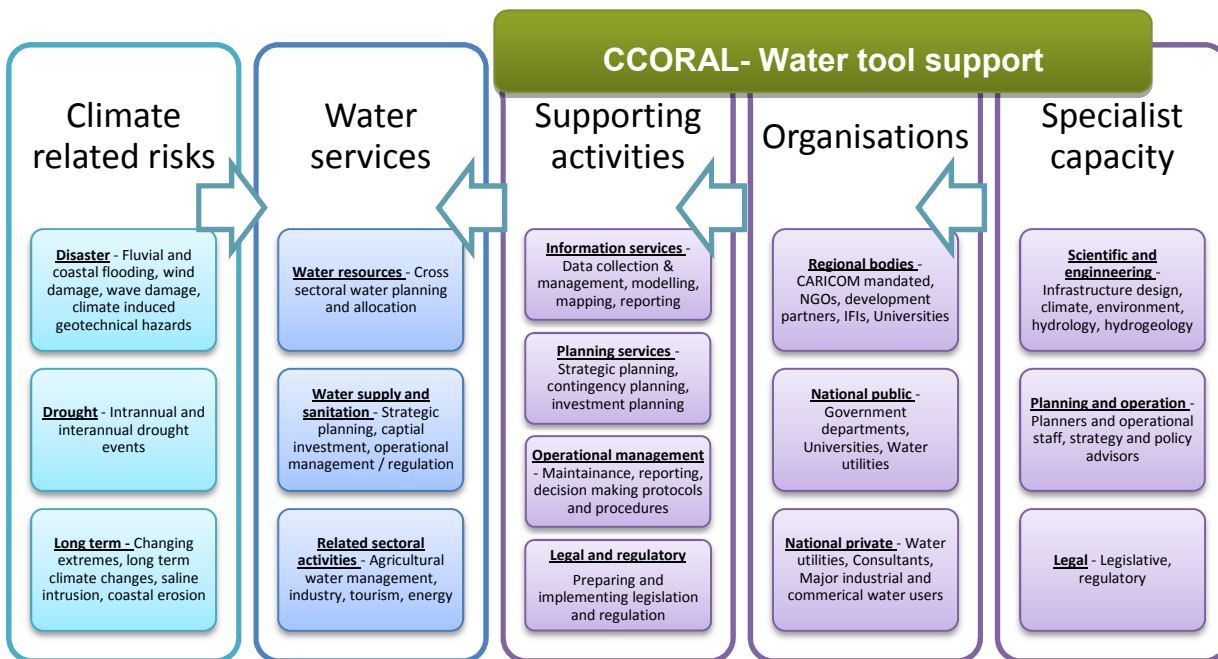
# Implementation

The implementation of the initiative is being overseen by CCCCC and GWP-C and supported by a team of expert consultants led by HR Wallingford. The CCORAL-Water tools will be piloted through the GWP WACDEP programme in the Caribbean and will align closely with the CCCCC CCORAL pilot studies.



# Principles of approach

The CCORAL-Water tools will be aimed at serving and building on the current decision making and planning practices in the Caribbean. Tools will be centred on the services which contribute to water security in the Caribbean and will focus on consideration and addressing climate risks which threaten the provision of services to sectors. The figure below provides an indicative conceptual framework of the capacities, organisations and activities which the CCORAL-Water tools may support. These are indicative at present and one of the first tasks of the initiative is to engage with stakeholders to understand where CCORAL-Water tools can deliver the most positive impact.



The tools will be developed through stakeholder engagement to ensure they meet the needs of end users and once completed and disseminated, they will be piloted through the GWP-C Water, Climate and Development Programme (WACDEP).

# Stakeholder involvement

The initiative is currently underway and is due for completion in March 2014 at which point the CCORAL-Water tools will become available through the CCORAL . Stakeholder engagement will be required to resolve the following key questions;

- **What are the priority water services which would benefit from more climate resilient decision making?** (for example; water resources allocation, water supply, agricultural / industrial / commercial / tourism / energy)
- **What information is necessary to facilitate planning, operational or legal/regulatory support to build the resilience of the sector to the impacts of climate change and variability?** (for example; water supply planning, hydrological modelling, risk assessment, water system regulation, operational procedures)
- **Which organisations and specific capacities would benefit from being involved in the development and application of the CCORAL-Water tools?** (for example; strategic water planners in governmental departments, consultants engaged in technical services for water planners, investment planners in water utilities, regulatory agencies for water)