

Integrated Water Resources Management (IWRM) Projects and Initiatives in the Caribbean

Title: Caribbean Weather Impacts Group (CARIWIG)

Organisation: Caribbean Community Climate Change Centre (CCCCC)

Aims and Objectives:

To provide a web based service that will provide unbiased, locally relevant weather scenarios for the present day, the short term (e.g. 2030s) and the longer term (e.g. 2080s) through adaptation of leading stochastic weather-generator technology, from the EARWIG and the UKCIP09 climate knowledge systems.

This will be supported by preliminary use of the web service for impacts studies and training programmes with key stakeholders in the region. This will inform management decisions and inform the development of policy to address specific local hazards and impacts of climate change. In addition exchange visits to specialist institutions will help build regional capacity in climate compatible development, and help develop and strengthen research and regional support networks. Research findings, best practice and the web service will be further disseminated through workshops with key stakeholders and the provision of technical training for stakeholder staff.

Duration: Start Year: 2012 Completion Year: 2014

Additional Comments:

Estimated Cost (USD): \$1,094,126

Funding Source: Climate and Development Knowledge Network (CDKN)

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Global Water Partnership-Caribbean IWRM Projects and Initiatives Database

Key Words: Weather, Water Resources, Coastal Protection, Climate Change, Impacts

Geographic Coverage: All Caribbean Community (CARICOM) Member States

Sectoral Focus: Agriculture; Biodiversity/Ecosystems; Flood and Coastal Management; Water Resources Management

Target Beneficiaries:

Stakeholders; Managers; and Policy Makers

Outputs:

Expected outputs:

1. Stakeholder requirements for regional climate information in support to climate compatible development
2. Translating stakeholder requirements into specific tools, data and services
3. A framework for regional climate projections
4. Development of climate web services for the Caribbean
5. Stakeholder case studies, capacity building and research network development
6. Dissemination, training and stakeholder feedback on project developments

Project Links and References:

<http://www.cariwig.org/>

<http://dms.caribbeanclimate.bz/M-Files/openfile.aspx?objtype=0&docid=5502>

Impacts:

Managers and policy makers in the Caribbean require knowledge of climate impacts and hazards that are specific to their geographical location and climate, and that are relevant to their planning time-horizons. These tools and services are important for the region because they will assist policymakers, managers and decision makers to make informed decisions both regionally and nationally and as a consequence enhance the resilience of various sectors to the impacts of weather variability.

Sustainability:

Information not available

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Lessons for the Future:

Information not available

Opportunities Arising from the Project:

- Strengthen the database for the functioning of the tools.
- Extend the application of the tools to more nationally relevant cases as part of the process to enhance the functionality of the tool for all sectors.

Further Comments:

Information not available