**Social Network Analysis of Caribbean Water Resource Management Professionals**

This survey aims to map the network of Caribbean water resource professionals. Thanks for participating! The survey has two parts – the first part is described and begins below; the second part is described on page 11.

**Contacts and questions**: With any questions, comments, or for more information, please contact the research team:

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| --- | --- | --- |
| Adrian Cashman | Natalie Boodram | Catherine Vaughan |
| Center for Resource Management & Environmental Science | Global Water Partnership | International Research Institute for Climate & Society |
| University of the West Indies – Cave Hill | Caribbean Office | Columbia University |
| adrian.cashman@  cavehill.uwi.edu | natalie.boodram@ gwp.caribbean.org | cvaughan@  iri.columbia.edu |

**DESCRIPTION of PART ONE**

***Purpose of Part One of the survey***: The first part of the survey will help us to understand how our broad network of water resource professionals communicates across the region, and through different agencies and sectors.

***Benefits and risks of Part One of the survey***: Results of this study will be used to help us understand communication strengths and weaknesses, and opportunities for growth. The professional network developed through this part of the survey will be publically available to inform future research, development services, or better target communication strategies.

***Confidentiality of Part One of the survey***: So that we can make the professional network information publically available, the first part of the survey is NOT confidential. Your name, organization, and other responses in this section may be reported.

***Voluntary nature of Part One of the survey****:* Participation in this study is entirely voluntary. You may refuse to answer any of the questions, or to end the survey without answering all the questions. You may complete only the first or the second part of the survey. A completed survey is most useful to the researchers in the study. It will take roughly 20 minutes to complete all the questions of the survey.

**PART ONE**

***Demographics***

1. Please provide some basic information about yourself below.

Name: …………………………………………….

Title: …………………………………………….

Name of Organization: ……………………………………………………………………………………………………

How many years in your profession: …………………

Country: ……………………………………………………….

Email address (this will only be used by the research team and will NOT be shared):

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2. Please provide a short description of your role & responsibilities in your organization.

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***Network Survey***

Please think about the range of water resource professionals that you communicate with to inform your work as a water resource professional. Review the questions below and indicate the names of people that you communicate with, and whether you are in touch weekly or more, monthly or more, seasonally or more, yearly or more, or have communicated with them at least once ever.

You are encouraged to include people you consult from your organization, island and other professional communities; please include as many people as you like.

Please note, we will ask for permission before reporting the names of the persons you communicate with. If we cannot reach them, the names of the people you mention will be replaced with a confidential code for their privacy.

Definitions

*Water resource professionals*: All professionals or community members who actively participate in research, planning, management, policy or other activities related to management of water resources. This includes people from the public and private sectors, research organizations, universities, and NGOs.

*Communication*: Email, phone calls, face-to-face conversations, meetings, all other forms of dialogue or exchange.

3. How frequently do you communicate with people based in **Antigua & Barbuda** regarding water resources? Please consider, but do not limit yourself to, organizations including the Antigua Public Utilities Agency (APUA).

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4. How frequently do you communicate with people based in the **Bahamas** regarding water resources? Please consider, but don’t limit yourself to, organizations including the Water & Sewerage Corporation of Bahamas (WSC).

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5. How frequently do you communicate with people based in the **Barbados** regarding water resources? Please consider, but don’t limit yourself to, organizations including the Barbados Water Authority (BWA).

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6. How frequently do you communicate with people based in **Belize** regarding water resources?

Please consider, but don’t limit yourself to, organizations including the Belize Water & Sewerage Authority (WASA), the Belize National Emergency Management Organization (NEMO), Belize Water Services, the Rural Water Unit, the Rural Water Supply & Sanitation Department.

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7. How frequently do you communicate with people based in **Dominica** regarding water resources? Please consider, but don’t limit yourself to, organizations including the Ministry of Housing Lands, & Water Resource Management and the Dominica Water & Sewerage Company (DOWASCO).

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8. Do you communicate with anyone based in **Grenada** regarding water resources?

Please consider, but don’t limit yourself to, organizations including the National Water & Sewerage Authority (NAWASA), Ministry of Works, Physical Development and Public Utilities and the Ministry of Agriculture, Forestry and Fisheries.

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9. Do you communicate with anyone based in **Guyana** regarding water resources?

Please consider, but don’t limit yourself to, organizations including the Ministry of Housing & Water, the Public Utilities Commission, Guyana Water Incorporated & Environmental Protection Agency.

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10. How frequently do you communicate with people based in **Jamaica** regarding water resources? Please consider, but don’t limit yourself to the Ministry of Water, Land, Environment & Climate Change, Water Resources Authority, National Water Commission & the Rural Water Supply Limited (RWSL).

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11. How frequently do you communicate with people based in **Montserrat** regarding water resources? Please consider, but don’t limit yourself to, Montserrat Utilities Limited (MUL).

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12. How frequently do you communicate with people based in **St. Kitts & Nevis** regarding water resources? Please consider, but don’t limit yourself to, St. Kitts Water Services Department (WSD).

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13. How frequently do you communicate with people based in **Saint Lucia** regarding water resources? Please consider, but don’t limit yourself to, Water Resource Management Agency (WRMA) & Water and Sewerage Company (WASCO) Inc.

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# 14. How frequently do you communicate with people based in St. Vincent & the Grenadines regarding water resources? Please consider, but don’t limit yourself to, the Central Water & Sewerage Authority - St. Vincent (CWSA), Forestry Department & the Ministry of Health, Wellness and the Environment.

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15. How frequently do you communicate with people based in **Trinidad & Tobago** regarding water resources? Please consider, but don’t limit yourself to, Water and Sewerage Authority (WASA), Water Resources Agency, Environmental Management Authority (EMA), Environment Tobago & National Institute of Higher Education, Research, Science and Technology (NIHERST).

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16. How frequently to you communicate with people affiliated with **Caribbean regional organizations** about water resources? Please consider, but don’t limit yourself to, the Caribbean Water & Waste Water Association (CWWA), the Global Water Partnership – Caribbean (GWP-C), the Caribbean Disaster Emergency Management Agency (CDEMA), Centre for Resources Management and Environmental Studies (CERMES) and the Caribbean Institute for Meteorology & Hydrology (CIMH).

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17. How frequently do you communicate with people **outside of English-speaking CARICOM member states** regarding water resources? This might include people in French-speaking CARICOM states (Haiti), Dutch-speaking CARICOM states (Suriname); people in countries affiliated with CARICOM (Anguilla, Turks & Caicos, Cayman Islands, etc.), or people from other regions (US, Europe, etc.)

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18. ***Additional resources***

Please list any online information or media resources that you consult regarding water resources management of related issues. You are encouraged to include any resources you like.

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**DESCRIPTION of PART TWO**

**Purpose of Part Two of the survey:** The second part of the survey will help us understand what information sources and networks contribute to understanding and use of climate information in water resource management in the Caribbean.

**Benefits and risks of Part Two of the survey**: Results of this study will be used to help us understand network dynamics and to inform future research, develop useful services, and target communication strategies. Your answers in this section will be kept private; your identity will not be revealed in any publication or release of the results. You will not be compensated for your participation in this study.

**Confidentiality of Part Two of the survey:** The second part of the survey is completely confidential. When we report responses from this survey, we will not identify individuals.

**PART TWO**

***Climate-informed decision making***

1. Are you responsible for making decisions regarding the management or use of water resources, either with respect to long-term planning or day-to-day operations? Yes / No

2. If yes, please describe the sorts of decisions you make or contribute to:

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3. Do you use climate information in your work? Yes / No

4. If yes, please mention the sources that are most useful to you

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5. How do you use these sources of information to inform your work?

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6. Is there climate information that would be useful to your work that you do not have or are not able to access?

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7. Are you encouraged by colleagues or supervisors to use climate information for decisions? Yes/No

8. If yes, please describe how / why you are encouraged to use climate information.

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9. Are you discouraged by colleagues or supervisors to use climate information for decisions? Yes / No

10. If yes, please describe how/why you are discouraged to use climate information.

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11. Do you distribute climate information to other people or organizations? Yes / No

12. If yes, please list the people or organizations to whom you distribute climate information.

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***Regional Networks***

1. Have you ever participated in a **Caribbean Climate Outlook Forum** (CARICOF)? If yes, please check all that apply:

* Before 2012
* 2012, Barbados (wet season)
* 2013, Trinidad & Tobago (wet season)
* 2014, Jamaica (wet season)
* 2014, Antigua (dry season)
* 2015, St. Lucia (wet season)
* Other? Please specify.……………………………………………………………………………………………………………………

2. Are you in contact with the **Caribbean Institute for Meteorology & Hydrology** (CIMH) in any of the following ways?

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| Using web resources |  |  |  |  |  |
| Receiving emails |  |  |  |  |  |
| Exchanging emails |  |  |  |  |  |
| Phone calls |  |  |  |  |  |
| Face-to-face meetings |  |  |  |  |  |
| Training events |  |  |  |  |  |
| Workshops |  |  |  |  |  |

3. Have you ever participated in an event organized by the **Global Water Partnership – Caribbean (GWP-C)**? If yes, please check all that apply:

* Training Workshops/Conferences
* Stakeholder Consultations/Dialogues
* Online Meetings/Webinars
* Exhibitions/Fairs

 4. Are you in contact with the **Global Water Partnership – Caribbean (GWP-C)** in any of the following ways?

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| Face-to-face meetings |  |  |  |  |  |
| Training events |  |  |  |  |  |
| Workshops |  |  |  |  |  |

5. Have you ever participated in a **Caribbean Water & Waste Water Association (CWWA)** event?

* 2015, Miami
* 2014, the Bahamas
* 2013
* 2012
* 2011
* 2010 or previous conferences
* Other events? Please specify.

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6. Are you in contact with the **Caribbean Water & Waste Water Association (CWWA)** in any of the following ways?

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| Face-to-face meetings |  |  |  |  |  |
| Training events |  |  |  |  |  |
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7. Have you ever participated in an event hosted by your **national meteorological service**? If yes, please specify the meteorological service and the event.

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8. Are you in contact with your **national meteorological service** in any of the following ways?

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