



CCRIF Regional Internship Programme 2015-2018



Revised February 2019

CCRIF Regional Internship Programme

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Applications are accepted during March – May/June each year

**For details, see www.ccrif.org/content/regional-internship-programme
Or contact technicalassistance@ccrif.org**

Introduction

In 2010, CCRIF launched its Technical Assistance (TA) Programme to provide an ongoing mechanism for grant support within the Caribbean region for capacity building initiatives and the development and implementation of projects that have a strong potential for improving the effectiveness of risk management.

The main aim of the TA Programme is to assist Caribbean countries deepen their understanding of natural hazards and catastrophe risk, and the potential impacts of climate change on the region.



The Programme has three components as follows:

- **Component 1** focuses primarily on support for tertiary level scholarships as well as support for professional development programmes
- **Component 2** focuses on regional knowledge building and involves the development and implementation of strategic regional projects in support of disaster risk management (DRM) and other areas of direct and indirect interest to CCRIF
- **Component 3** is centered on support for local disaster risk management projects and programmes

In 2015, CCRIF launched the Regional Internship Programme under Component 1 as its flagship professional development programme. This report describes the Regional Internship Programme, now in its fourth year. It presents basic information on the programme to date and highlights the implementation and achievements of the programme in its first four years, 2015 – 2018.

Introduction to the CCRIF Regional Internship Programme

The Regional Internship Programme is designed to provide opportunities for students who have specialized in the areas of disaster risk management, environmental management, actuarial science, geography, climate studies and other similar areas to be assigned to national and regional organizations where their educational experience can be enhanced through practical work assignments.

During 2015-2018, 85 interns from 9 countries were placed at 27 national and regional organizations with a total investment of almost US\$260,000

The Regional Internship Programme has been designed to:

- Promote academic, career and/or personal development for the interns
- Provide interns with the opportunity to integrate their academic knowledge with practical application and skill development in the workplace
- Provide university graduates with an opportunity to gain experience in the work of national and regional organizations involved in disaster risk management/climate change adaptation and studies, risk transfer and risk management, with the objective of deepening their knowledge and understanding of these core areas
- Offer interns challenging assignments that benefit the host organization while providing tangible work experience for the intern
- Enable interns to sample potential specialties and explore the workplace culture of the regional organization
- Include an intentional “learning plan” for the intern that is structured into the work experience and includes learning objectives, observation, reflection, evaluation and assessment of interns
- Balance the intern’s own learning goals with the specific work the organization needs completed
- Ensure that interns are provided with an opportunity to network with key professionals and stakeholders working in the various areas of disaster risk management

The programme is open to citizens of CARICOM and/or CCRIF member countries who are graduates of a recognized university. The interns should have completed a course of study in any one of the following key areas: disaster risk management, environmental management, meteorology, climate studies, civil engineering, management studies with a focus on risk management, environmental economics, geography, geology, civil engineering, risk management and actuarial science. CCRIF provides a monthly stipend to each intern to cover living expenses and an accommodation allowance to those who are placed outside their home country. Internships are for two months but in some cases, host organizations have extended the

internship period – under separate agreements between the organization and the intern (at no additional cost to CCRIF).

The following illustrates the benefits for both interns and host organizations from participation in the programme.

Benefits for Interns: Young Caribbean Professionals and Students	Benefits for National and Regional Organizations
<ul style="list-style-type: none"> •Promote academic, career and/or personal development •Provide experiential learning thereby ensuring that interns gain vital skills and experience that they will be able to use throughout their professional career •Expose interns to the work being undertaken in the region in the areas of disaster risk management, climate change and risk transfer 	<ul style="list-style-type: none"> •Provide temporary employees with special and new/cutting-edge skills and knowledge •Assist with the organizations’ work towards achieving their targets

Placement of Interns 2015 - 2018

To date, CCRIF has placed 85 interns at 27 national and regional organizations as shown in the table at right. This includes 18 regional organizations and 9 national disaster or meteorology agencies. Each year, additional organizations have indicated their interest in participating in the programme.

Summary of Intern Placements 2015-2018

	# of Interns	# of Host Organizations	Expenditures (US\$)
2015	18	10	73,962
2016	25	16	73,795
2017	23	15	63,043
2018	19	16	56,287
Total	85	27	267,087

The table below lists the distribution of intern placements by host organization. It shows that the Caribbean Disaster Emergency Management Agency (CDEMA) has had the most interns with 12 over the four years of the programme. Often, organizations request more interns than can be accommodated in any year. CCRIF makes every effort to assign at least one intern to a host organization if possible. However, the most important placement criterion is that the intern have the requisite skills and/or experience to meet the needs of the host organization for the specific project or tasks identified by the organization.

Placement of Interns at Host Organizations 2015-2018

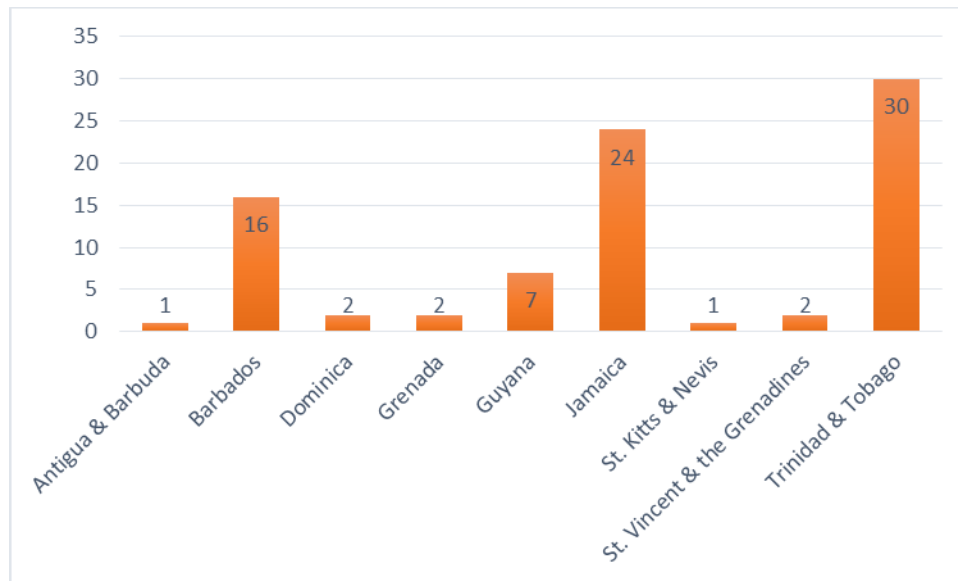
Organization	Number of Interns				
	2018	2017	2016	2015	Total
Anguilla Department of Disaster Management			1		1
Association of Caribbean States (ACS) Secretariat	1				1
Barbados Department of Emergency Management	1	1	1		3
Caribbean Centre for Development Administration (CARICAD)	1				1
Caribbean Community Climate Change Centre (CCCCC)			1	1	2
Caribbean Development Bank (CDB)			1	2	3
Caribbean Disaster Emergency Management Agency (CDEMA)	2	4	4	2	12
Caribbean Institute for Meteorology and Hydrology (CIMH)	1	1	2	2	6
Caribbean Regional Fisheries Mechanism (CRFM)		1			1
CARICOM Secretariat	1	1			2
Hazard Management Cayman Islands		1	1		2
Office of Disaster Preparedness and Emergency Management - Jamaica	2				2
Organisation of Eastern Caribbean States (OECS) Commission	1		2		3
National Emergency Management Agency – The Bahamas	1				1
National Emergency Management Organisation - Saint Lucia				1	1
National Emergency Management Organisation – St. Vincent and the Grenadines	1				
Tobago Emergency Management Agency	1		2		2
Trinidad and Tobago Meteorology Service	2	2	1		3
UWI Centre for Resource Management and Environmental Studies (CERMES), Cave Hill	1	1	1		2
UWI Centre for Marine Sciences, Mona	1	1	1		2
UWI Climate Studies Group Mona	2	2	2	1	5
UWI Department of Civil Engineering, St. Augustine		2			2
UWI Department of Geography and Geology, Mona		2	2	2	6
UWI Department of Geography, St. Augustine		1	2	2	5
UWI Disaster Risk Reduction Centre (DRRC), Mona		2	1	2	5
UWI Institute for Sustainable Development (ISD), Mona		1			1
UWI Seismic Research Centre (SRC), St. Augustine				3	3

There are four organizations as listed below that have offered to participate in the programme but have not received an intern. CCRIF will attempt to place interns with these organizations in future years if requested.

- Turks and Caicos Islands Department of Disaster and Emergency Management

- UWI Department of Physics, Mona
- Antigua & Barbuda National Office of Disaster Services
- Saint Lucia Meteorological Services

To date, interns from nine countries have been placed in internships, with the most (30 – over ⅓ of the total) coming from Trinidad and Tobago – as shown in the graph below.



Number of Interns Placed by Home Country 2015-2018

Key Achievements/Successes of the Internship Programme 2015 - 2018

Host organizations uniformly indicated that the programme has greatly benefited their organizations, often surpassing their original expectations. Similarly, interns stressed that the experience was invaluable. Some highlights of the first four years of the programme are presented below. **Annex 1 provides the list of interns and the projects they implemented during their internships over the period 2015 - 2018.**

- Mahendra Sawyack and CCCCC personnel prepared a readiness proposal for the Government of Guyana to access the Green Climate Fund (GCF), which was approved for funding (US\$300,000). The Grant Agreement was signed in December 2015 on the sidelines



of the COP 21¹ in Paris. The implementation of the project due to commence in January will support the preparation of the critical infrastructure needed to realize Guyana's Intended Nationally Determined Contributions (INDCs) to greenhouse gas emissions reductions. Specifically, the project will strengthen the capacity of Guyana's National Designated Authority (NDA) to the GCF and the development of a Country Strategic Framework for engaging with the GCF.

- The work of Julian McBarnette and Khaliqa Mohammed at the Caribbean Development Bank contributed to the documentation of valuable baseline country-specific climate data and information which is being used to strengthen the Bank's analysis of climate change issues. CDB retained the two interns for a 2-year internship following the completion of the CCRIF internship

- Ryan Proverbs provided invaluable support to CDEMA's Regional Coordination Centre in the coordination of the Regional Response Mechanism which was activated to respond to impacts from Tropical Storm Erika and Hurricane Joaquin – ultimately increasing the capacity at the coordinating unit to respond to the crises.



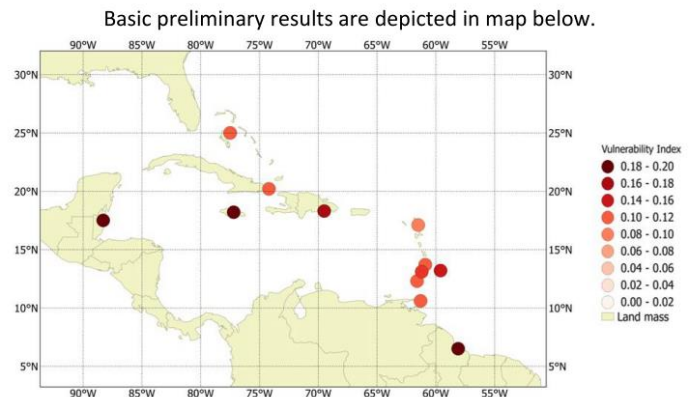
- The Trinidad and Tobago Meteorology Service indicated that the work done by intern Rhea Pierre to valuate the products and services provided by the TTMS “placed the organization in a position of strength to justify greater investment by Government and will help us to secure additional resources.” The study was the first of its kind done in Trinidad and Tobago.

- Brendon Taylor reviewed and updated existing guidelines for the operation of the Barbados Department of Emergency Management's volunteer arm, the District Emergency Organizations. The Department indicated that after 17 years, it is now in possession of much needed updated guidelines for the effective functioning of the District Emergency Organizations.



¹ The 21st Conference of Parties to the UN Framework Convention on Climate Change (UNFCCC) – i.e. the 2015 United Nations Climate Change Conference

- Rebecca Chewitt’s work on a study of regional/international effects on total suspended particulates from African dust and local sources on the Caribbean will ultimately be used by CIMH to justify and contribute to the development of a Caribbean health warning system with respect to ambient air quality. CIMH offered a full-time position to Ms. Chewitt as a Technical Research Officer.
- Roxann Stennett-Brown was the first to conduct the type of analyses at the Climate Studies Group Mona i.e. creating composite indices to assess vulnerability to climate change. This is work that will ultimately be published in a scientific journal and may form part of the consideration of policies for the region since it highlights the differences in vulnerability across some countries.
- The work of interns, Aaron Santana and Abigail Maxwell at UWI SRC allowed the Centre to make progress on a project which had been hampered by a lack of staff as well as to expand beyond its core remit to tackle other projects of regional importance.
- Anila Maharaj co-authored with the Climate Studies Group Mona a conference paper “Advancing the Caribbean Energy Landscape - A Comprehensive Review of the State of Electric Vehicles and Storage Systems”, submitted for the Caribbean Academy of Sciences 21st General Meeting and Conference in November 2018 in Jamaica



Reporting and Assessment 2015 - 2018

CCRIF signs internship agreements with both the interns and the host organizations. Among other responsibilities, each party must fulfill key requirements regarding reporting and assessment.

The host organization is required to:

- conduct an evaluation of intern performance and discuss with the intern at least two weeks before the end of the internship
- provide a copy of final internship evaluation to CCRIF SPC – this evaluation includes the intern assessment and comments on the internship programme itself

Each intern is required to:

- submit to CCRIF an internship report (which should include photos taken during the internship), work products from the internship² and a short (2-3 minute) video¹ of his/her experience, including a video featuring a presentation of the work undertaken during the internship

Host Organization Assessment

The host organization assessment focused on evaluating the intern's general workplace performance and specific assignment performance and also identified the intern's main strengths and areas for improvement. The assessment also evaluated the intern's overall performance in terms of outstanding, above average, satisfactory, below average and unsatisfactory.

The 59 host assessments received rated the interns as follows:

Outstanding	Above Average	Satisfactory	Below Average	Unsatisfactory
26	32	-	-	1

A discussion was held with the host organization regarding the unsatisfactory intern to determine what had occurred and to ensure that the experience was not repeated in the future.

Frequently occurring comments from host organizations included:

- The internship allows them to catch up on outstanding tasks, some of which had been waiting for years to be completed by:
 - providing funded personnel thereby obviating the need to find financial resources and engage in a procurement process to engage consultants
 - providing persons with skills that are lacking in the host organization
- A longer internship period (e.g. 3 months) would be beneficial
- The internship far exceeded expectations in terms of its effectiveness
- The programme is commendable and provides valuable experience for university graduates

² Required in 2017 for the first time

“I strongly believe that the CCRIF internship is an excellent way of getting participants and host countries to learn more and share ideas. Yadava shared with us stories about his previous placement at Montserrat; given that Montserrat has other hazards that aren’t faced by us here in Cayman, it was thought provoking and helpful to hear how other OTs deal with the hazards they face. It encouraged us to see a wider perspective. Whilst I’m sure that CCRIF has a pool of case studies and reports from interns, it would be good to be able to access these on a public forum or on request, so that host countries can learn from them and perhaps shape the internship around those of other host countries in order to identify and share best practice.”

- Danielle Coleman, Director, Hazard Management Cayman Islands

“The programme continues to grow the local scientific community footprint/talent in many ways and provides opportunities to foster relationships through mentorship and training. It allows for building a stream of young and qualified talents and offers them scope to try out different avenues along their career paths.”

- Kenneth Kerr, Climate Specialist, Trinidad and Tobago Meteorological Service

Intern Reports

Interns uniformly indicated that their internships were positive experiences – professionally and personally, with many of the interns living out of their home countries for the first time.

Comments from interns indicated many benefits of the internship, including:

- Application of studies in a work setting
- Improved skills in GIS, mapping, database design, research, data collection and analysis
- Experience with technical software
- Improved ability to work in a team setting
- Exposure to experts in the field
- How to be more diplomatic
- How to prioritize tasks and meet deadlines in a high stress environment
- Increased accountability
- Exposure to diverse stakeholders (e.g. farmers, government officials)
- Positive feeling of having contributed to the work of their host organizations and to the region
- Encouragement to “think outside the box” and at a higher level than previously required, this leading to increased confidence
- Knowledge of new cultures

Lessons Learned and Recommendations

Lessons Learned

- The internship programme has been fine-tuned over the first four years in terms of factors such as internship length, value of stipend, responsibilities of the parties (CCRIF, host organizations and interns) – however this is always an evolving process
- While many organizations request a longer internship period, the current period of two months appears to be the best compromise to maximize the number of interns placed and the number of organizations that receive interns and to ensure that a useful level of work is accomplished
- Specific report formats are needed to obtain necessary information from interns so that CCRIF may adequately determine the outputs and analyze the performance of the programme
- It is important to identify potential new host organizations to participate in the programme to ensure the best possible placement of internship candidates, who have differing types of skills and experience from year to year

Recommendations

CCRIF should:

- Share the outputs from internships with external stakeholders – through publications and possibly presentation of results at events, meetings etc.
- Provide a forum for past and prospective interns to network and share experiences and lessons learned
- Publicize interns and internship activities throughout the year to increase awareness and interest especially in countries whose nationals have not participated in the programme

Annex 1 – List of CCRIF Internship Placements 2015-2018

Host Organization	Name	Country	Focus of Internship and Comments
Association of Caribbean States	Rushain Cunningham	Jamaica	<ul style="list-style-type: none"> Assessed the physical effects of sea level rise on various economic sectors and national economic and socioeconomic impacts
Department of Disaster Management - Anguilla	Stephanie Sewell	Jamaica	<ul style="list-style-type: none"> Worked on the Hazard Identification and Risk Assessment, the National Recovery Plan, and creating a framework for the 911 Plan – all in relation to EMAP certification
Department of Emergency Management - Barbados	Brendon Taylor	Barbados	<ul style="list-style-type: none"> Project: Review and update of the Central Emergency Relief Organisation Guidelines for the District Emergency Organisations Was selected to be Barbados' Youth Delegate at the Caribbean CDM Conference Recipient of CCRIF scholarship for MSc Natural Resource Management
	Chelston Maloney	Barbados	<ul style="list-style-type: none"> Assisted review of the National Emergency Management System Conducted stakeholder outreach
	Shavel Watson	Jamaica	<ul style="list-style-type: none"> Prepared Tsunami Evacuation Maps of 2 communities toward both communities being considered Tsunami Ready by the Tsunami Ready Recognition Programme
CARICOM Secretariat	Adiola Walcott	Guyana	<ul style="list-style-type: none"> Assisted with the development of the Caribbean Community Natural Resources Policy Framework and Action Plan
	Lakeram Singh	Guyana	<ul style="list-style-type: none"> Prepared a report on the use of traditional knowledge in biodiversity conservation in CARICOM member states
Caribbean Centre for Development Administration (CARICAD)	Yinka Jagbir-Garcia	Trinidad & Tobago	<ul style="list-style-type: none"> Undertook research on principles and practices for improving post-hurricane recovery planning for the “blue economy” Finalized Disaster Recovery Plan for CARICAD member states
Caribbean Community Climate Change Centre (CCCCC)	Alton Daley	Jamaica	<ul style="list-style-type: none"> Project: the installation of a biogas laboratory at the University of Belize and the characterization of Belize's biomass potential – funded by (GIZ-REETA) and UNDP Japan-Caribbean Climate Change Programme Asked to give a lecture at the University of Belize on bio-energy

Host Organization	Name	Country	Focus of Internship and Comments
	Mahendra Saywack	Guyana	<ul style="list-style-type: none"> Project re Green Climate Fund readiness programme – preparing report for Government of Guyana
Caribbean Development Bank (CDB)	Carlene Jones	Grenada	<ul style="list-style-type: none"> Assigned to Environmental Sustainability Unit Internship extended an additional month
	Julian McBarnette	Trinidad & Tobago	<ul style="list-style-type: none"> Prepared Climate Risk and Country Adaptation Profiles Received 2-year internship at CDB
	Khaliqa Mohammed	Trinidad & Tobago	<ul style="list-style-type: none"> Prepared Climate Risk and Country Adaptation Profiles Received 2-year internship at CDB
Caribbean Disaster Emergency Management Agency (CDEMA)	Ayanna Evelyn	Barbados	<ul style="list-style-type: none"> Project: Development of a standardized approach to risk assessment that can be scaled according to a country's needs
	Andrina Daniel	Barbados	<ul style="list-style-type: none"> Project: Development of the Caribbean Risk Information System (CRIS), and other activities of the Communication and Visibility Plan for 2016
	Keshra Thomas	Trinidad & Tobago	<ul style="list-style-type: none"> Project: Documentation Component of Caribbean Risk Information System
	Lee-Anne Holder	Barbados	<ul style="list-style-type: none"> Project: Advancing the CDEMA Community Resilience Framework
	Ria Rampersad	Trinidad	<ul style="list-style-type: none"> Assigned to Regional Response Mechanism in the Regional Coordination Centre, which was urgently needed to handle issues related to Hurricanes Irma and Maria
	River Providence	St. Vincent and the Grenadines	<ul style="list-style-type: none"> Aided in the development of a community risk assessment tool, the Caribbean Risk Information Tool
	Ryan Proverbs	Barbados	<ul style="list-style-type: none"> Project: Institutional Arrangements and Governance of the CDEMA Regional Training Centre
	Sapphire Vital	Dominica	<ul style="list-style-type: none"> Served as Administrative Assistant to Operational Specialist in Preparedness and Response Department Conducted research on the application of solar disinfection (SODIS) for water
	Sherryann Prowell	Guyana	<ul style="list-style-type: none"> Assisted with communication tools and protocols for communication between the Regional Coordination Centre (RCC) and National Disaster Offices (NDOs)
Brendon Taylor	Barbados	<ul style="list-style-type: none"> Developing and reviewing programmes associated with youth participation – a key 	

Host Organization	Name	Country	Focus of Internship and Comments
			focus of the Regional CDM Strategy 2014-2024
	Peta-Gay Harris	Jamaica	<ul style="list-style-type: none"> Created baseline maps for each of the 18 Participating States; assisted the RCC during Hurricane Isaac and TS Kirk with development of situation awareness maps and preimpact data analysis
Caribbean Institute for Meteorology and Hydrology (CIMH)	Kashawn Hall	Barbados	<ul style="list-style-type: none"> Researched the generation of a Z-R Relationship for the Barbados Radar, which uses radar reflectivity data to estimate the rainfall rate that would be associated with said reflectivity value – to be used e.g. in weather forecasting, flood planning and water planning for agricultural purposes
	Ana Millington	Barbados	<ul style="list-style-type: none"> Project: flood management through the use of two GIS-based programs which modeled runoff from two watersheds in Dominica and one in Jamaica
	Jodi-Ann Petrie	Barbados	<ul style="list-style-type: none"> Project: Development of a Tourism Sector Early Warning Information Systems across Climate Timescales CCRIF scholarship recipient for MSc Natural Resource Management
	Rebecca Chewitt	Barbados	<ul style="list-style-type: none"> Project: Comparative Analysis of the Mass Concentration of Total Suspended Particulates (TSP) with Dust Prediction Model for Husbands, St James, Barbados CIMH offered her a full-time position as a Technical Research Officer
	Shanice Whitehall	Barbados	<ul style="list-style-type: none"> Project: Improving the state of readiness of the CDEMA Coordinating Unit and the CDEMA Participating States for the 2017 Hurricane Season
	Trevis Gardiner	Trinidad & Tobago	<ul style="list-style-type: none"> Evaluated the ability of the new GOES-16 imagery to accurately identify tropical synoptic features for operational purposes
Caribbean Regional Fisheries Mechanism (CRFM)	Yinka Jagbir	Trinidad & Tobago	<ul style="list-style-type: none"> Project: Development of a model disaster management plan for the fisheries and aquaculture sector of CRFM member states
Hazard Management Cayman Islands	Justine Deonarine	Trinidad & Tobago	<ul style="list-style-type: none"> Review and updating of the National Marine Oil Spill Contingency Plan for the Cayman Islands HMCI extended the internship for an additional month

Host Organization	Name	Country	Focus of Internship and Comments
	Yadava Persad	Trinidad	<ul style="list-style-type: none"> Project: Revision of the National Marine Oil Spill Contingency Plan
National Emergency Management Agency - The Bahamas	Kerri Griffith	Trinidad & Tobago	<ul style="list-style-type: none"> Developed draft country disaster risk reduction profile
National Emergency Management Organisation - Saint Lucia	Kemron Dufont	Grenada	<ul style="list-style-type: none"> Developed Saint Lucia's National Multi-Hazard Country Work Programme Strengthened the School Safety Programme Conducted DM public awareness campaign
National Emergency Management Organisation - St. Vincent and the Grenadines	Jevan Howard	Barbados	<ul style="list-style-type: none"> Created a Terms of Reference for the Development of a National Damage Assessment Policy, Plan and Procedures for St. Vincent and the Grenadines; assisted with developing the first draft of the St Vincent and the Grenadines Country Work Program 2019- 2023
Office of Disaster Preparedness and Emergency Management - Jamaica	Candice Duhaney	Jamaica	<ul style="list-style-type: none"> Wrote Hazard Vulnerability Assessments for two communities
	Tamera Little	Jamaica	<ul style="list-style-type: none"> Conducted baseline research on a Sectoral Vulnerability Assessment; supported the amendment of the Disaster Risk Management Act's inclusion of a new section on "specially vulnerable areas"
Organisation of Eastern Caribbean States (OECS) Commission	Lynelle Bonaparte	St. Kitts	<ul style="list-style-type: none"> Worked on Climate-resilient Eastern Caribbean Marine Managed Areas Network (ECMMAN) Project and the <i>New Zealand Flood Mitigation project</i>
	Ayanna La Forest	Trinidad & Tobago	<ul style="list-style-type: none"> Worked on Global Climate Change Adaptation (GCCA) Project on Climate Change Adaptation (CCA) and Sustainable Land Management (SLM) in the Eastern Caribbean
	Daniel Campbell	St. Vincent & the Grenadines	<ul style="list-style-type: none"> Sustainable Management of Human Mobility in the Context of Climate Change in the OECS
Tobago Emergency Management Agency	Joseph Heath	Trinidad & Tobago	<ul style="list-style-type: none"> Conducted Damage and Needs Assessments (DANA) and Preliminary Damage Assessments (PDA) of homes damaged by hazard events
	Aneesa Hinds	Trinidad & Tobago	<ul style="list-style-type: none"> Created database of emergency shelters and persons needing special assistance

Host Organization	Name	Country	Focus of Internship and Comments
			<ul style="list-style-type: none"> Received training in WebEOC and the Management of Personal Protective Equipment
Trinidad and Tobago Meteorology Services	Isaac Alfred	Dominica	<ul style="list-style-type: none"> Project: Developed a cost recovery system for aviation weather service for the TTMS
	Karishma Misir	Guyana	<ul style="list-style-type: none"> Project: Estimating the socio-economic value of the TTMS information in the local agriculture sector
	Rhea Pierre	Trinidad & Tobago	<ul style="list-style-type: none"> Project: Valuate the products and services provided by the TTMS Assessment of intern indicates that Ms. Pierre' performance was "outstanding"
	Crystol Caesar	Trinidad & Tobago	<ul style="list-style-type: none"> Conducted analysis of tropical cyclone (TC) activity in the area around Trinidad and Tobago – to assist in assessment of potential flooding and wind damage that can be expected from TC activity
	Tigahna Bacchus	Trinidad & Tobago	<ul style="list-style-type: none"> Created the Trinidad and Tobago Flood Risk Map Based on Climate Extreme Events
UWI Centre for Marine Sciences, Mona	Sujal Bedassie	Trinidad & Tobago	<ul style="list-style-type: none"> Assisted with Jamaican coastal restoration projects Intern received a scuba diving certification
	Prince Frank	Antigua	<ul style="list-style-type: none"> Produced a climate change risk assessment for Discovery Bay Assisted with coral reef gardening and coastal mangrove restoration
	Jawanza Small	Barbados	<ul style="list-style-type: none"> Provided assistance for the 'Critical Coastal Forest Restoration' project which aims to restore mangrove areas in Jamaica
UWI Centre for Resource Management and Environmental Studies (CERMES), Cave Hill	Toni-Q Harris	Barbados	<ul style="list-style-type: none"> Assisted with film about how fishing and agricultural communities in Barbados are adapting to changing climatic conditions Internship was extended an additional month
	Christal Benjamin	Trinidad & Tobago	<ul style="list-style-type: none"> Developed geographically referenced database of the research projects carried out by CERMES students
	Hannah Lochan	Trinidad & Tobago	<ul style="list-style-type: none"> Developed a systematic review of drivers of farmland abandonment
UWI Climate Studies Group, Mona	Deron Maitland	Jamaica	<ul style="list-style-type: none"> Assisted with climate change vulnerability document for the USVI
	Leaford Henderson	Jamaica	<ul style="list-style-type: none"> Assisted with climate change vulnerability document for the USVI

Host Organization	Name	Country	Focus of Internship and Comments
	Christina Douglas	Jamaica	<ul style="list-style-type: none"> Project: Characterizing drought over Jamaica using the Standard Precipitation Index
	Pietra Brown	Jamaica	<ul style="list-style-type: none"> Assisted in preparing risk assessment section of Jamaica's Third National Communication to UNFCCC
	Roxann Stennett-Brown	Jamaica	<ul style="list-style-type: none"> Project: to explore the relative levels of present and future vulnerability to climate change at the national scale across select Caribbean countries using an aggregate index approach
	Anila Maharaj	Trinidad & Tobago	<ul style="list-style-type: none"> Collated specific data on Caribbean utility-scaled Renewable Energy (RE) projects with an installed capacity of >100 kW, with the intention of creating a Caribbean Renewable Energy Map on an open source platform Examined energy battery storage systems in the region and the prospect of electric vehicles in Jamaica.
	Danielle Nurse	Barbados	<ul style="list-style-type: none"> Investigated the Atlantic Main Development Region (MDR) and the possible changes in this region expected due to climate change; the MDR is the region in the tropical Atlantic where approximately 75% of hurricanes develop
UWI Department of Civil Engineering, St. Augustine	Amrita Milling	Guyana	<ul style="list-style-type: none"> Project: Construction of a future cloud multi-criteria decision-making model for selecting post-disaster temporary housing sites Scholarship recipient for MSc in Civil and Environmental Engineering
	Kellesia Williams-Gittens	Trinidad	<ul style="list-style-type: none"> Project: Construction of a future cloud multi-criteria decision-making model for selecting post-disaster temporary housing sites Scholarship recipient for BSc in Civil Engineering and MSc in Natural Resource Management
UWI Department of Geography, St. Augustine	Annabella Thorne	Trinidad & Tobago	<ul style="list-style-type: none"> Assisted with research on the sustainable management of an ecologically sensitive area, Grande Riviere, Trinidad
	Delena Indar	Trinidad & Tobago	<ul style="list-style-type: none"> Project re livelihoods of school drop-outs

Host Organization	Name	Country	Focus of Internship and Comments
	Dillon Suepaul	Trinidad & Tobago	<ul style="list-style-type: none"> Project re terrestrial flood risks and climate change
	Elon McCurdy	Guyana	<ul style="list-style-type: none"> Developed work plan for International Field Course for undergraduate students majoring in Geography and Environmental & Natural Resources Management in Guyana Assisted with research on the sustainable management of an ecologically sensitive area, Grande Riviere, Trinidad
	Steffi Samaroo	Trinidad	<ul style="list-style-type: none"> Assisted with research on the sustainable management of an ecologically sensitive area, Grande Riviere, Trinidad
UWI Department of Geography and Geology, Mona	Johann Sidal	Trinidad	<ul style="list-style-type: none"> Project: Landslide susceptibility within the Rio Grande watershed in Jamaica Work presented at 2 international conferences
	Kevin Tankoo	Trinidad & Tobago	<ul style="list-style-type: none"> Project: Geophysical processing and interpretations for seismic datasets for Jamaica and the sub region
	Kristinia Dougherty	Jamaica	<ul style="list-style-type: none"> Project: To assess the vulnerability of the alluvium aquifer in Kingston and St. Andrew to contamination or pollution CCRIF scholarship recipient for BSc in Geography
	Natainia Lummen	Jamaica	<ul style="list-style-type: none"> Project to create a database on wildfires that have occurred in St. Andrew over the last 10 to 15 years
	Sarah Buckland	Jamaica	<ul style="list-style-type: none"> Project re drought and impact on forests and agriculture Ms. Buckland was the lead presenter on this topic at the Geography Awareness Week symposium hosted by the Land Information Council of Jamaica. CCRIF scholarship recipient for BSc in Geography
	Shavel Watson	Jamaica	<ul style="list-style-type: none"> Projects: Floodplain Mapping of the Hope River Watershed, using the CARIWIG Simple Model for Advection of Storms and Hurricanes and HEC-RAS CCRIF scholarship recipient for B.Sc. Geology
	Jorjan Dolphy	Jamaica	<ul style="list-style-type: none"> Conducted landslide and flood mapping within the Rio Minho drainage basin, which

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			is recognized as a high-risk area prone to flash flooding and extensive slope failures during times of high intensity rainfall
UWI Disaster Risk Reduction Centre (DRRC), Mona	Douglas Brown	Jamaica	<ul style="list-style-type: none"> • Project: developing DRM databases; developing content on DRM for the DRRC website; assessing vulnerability of buildings to seismic hazard; research on relocation of vulnerable populations • CCRIF scholarship recipient for MSc. Natural Resource Management
	Jevaune Gordon	Jamaica	<ul style="list-style-type: none"> • Assisted with study of the most catastrophic floods in Jamaica and one on the degree to which the disabled people within communities are included in DRM
	Kevin Douglas	Jamaica	<ul style="list-style-type: none"> • Project: developing DRM databases; developing content on DRM for the DRRC website; assessing vulnerability of buildings to seismic hazard; research on relocation of vulnerable populations • CCRIF scholarship recipient for MSc Disaster Management
	Peta-Gay Harris	Jamaica	<ul style="list-style-type: none"> • Assisted with study of the most catastrophic floods in Jamaica and one on the degree to which the disabled people within communities are included in DRM
	Shanoye' Norman	Jamaica	<ul style="list-style-type: none"> • Project: developing DRM databases; developing content on DRM for the DRRC website; assessing vulnerability of buildings to seismic hazard; research on relocation of vulnerable populations
	Shaughna-Lee Steele	Jamaica	<ul style="list-style-type: none"> • Research project: investigated the inclusion of persons with disabilities in DRM at the parish and national levels • Research project: the longevity of Community Disaster Response Teams (CDRTs) and how these teams cope after project interventions end
UWI Institute of Sustainable Development (ISD), Mona	André Reid	Jamaica	<ul style="list-style-type: none"> • Project: Study regarding susceptibilities related to landslides within the Rio Grande watershed, Jamaica • Work presented at 2 international conferences

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UWI Seismic Research Centre (SRC), St. Augustine	Aaron Santana	Trinidad & Tobago	<ul style="list-style-type: none"> Project re building structural and occupancy types
	Abigail Maxwell	Trinidad & Tobago	<ul style="list-style-type: none"> Project: Improved well-targeting for Caribbean geothermal exploitation: An improved seismic velocity geothermometer
	Christopher Saunders	Trinidad & Tobago	<ul style="list-style-type: none"> Project: Socioeconomic and Seismic Vulnerability Analysis, Surveyor

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