

HURRICANE IRMA

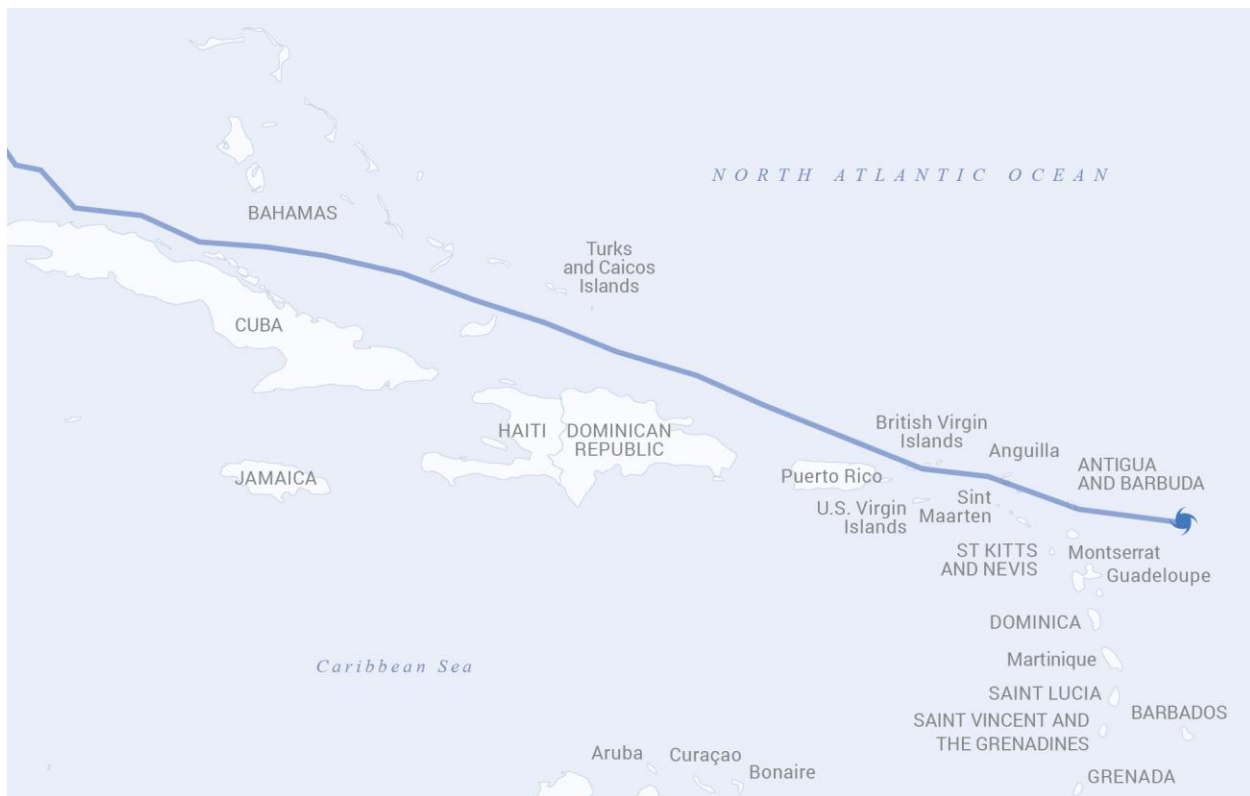
SITUATION REPORT #8

AS OF 9:00PM AST ON SEPTEMBER 15, 2017

SYNOPSIS OF HURRICANE IRMA

Irma, the 9th named hurricane of the 2017 Atlantic Hurricane Season, became a category 5 hurricane in the Eastern Atlantic Ocean on Tuesday September 5, 2017. With maximum sustained winds near 185 mph, Irma a powerful Category 5 Hurricane impacted the CDEMA Participating States of Anguilla, Antigua and Barbuda, Virgin Islands (UK), Dominica, St. Kitts and Nevis and Montserrat over Tuesday night into Wednesday evening, September 06, 2017. Irma continued its destructive path and impacted Turks and Caicos Islands and the northern border of Haiti. On Friday September 07, 2017, the southeastern Islands of the Bahamas were impacted. A combination of strong winds, storm surge, intense rainfall from Hurricane Irma, resulted in the loss of lives, significant damage to homes and critical infrastructure throughout the impacted islands. The National Emergency Operations Centres (NEOCs) in the CDEMA Participating States, although severely impacted, provided an overview of the situation. The information shared is based on data gathered to date.

CDEMA'S IMPACTED PARTICIPATING STATES



PARTICIPATING STATES

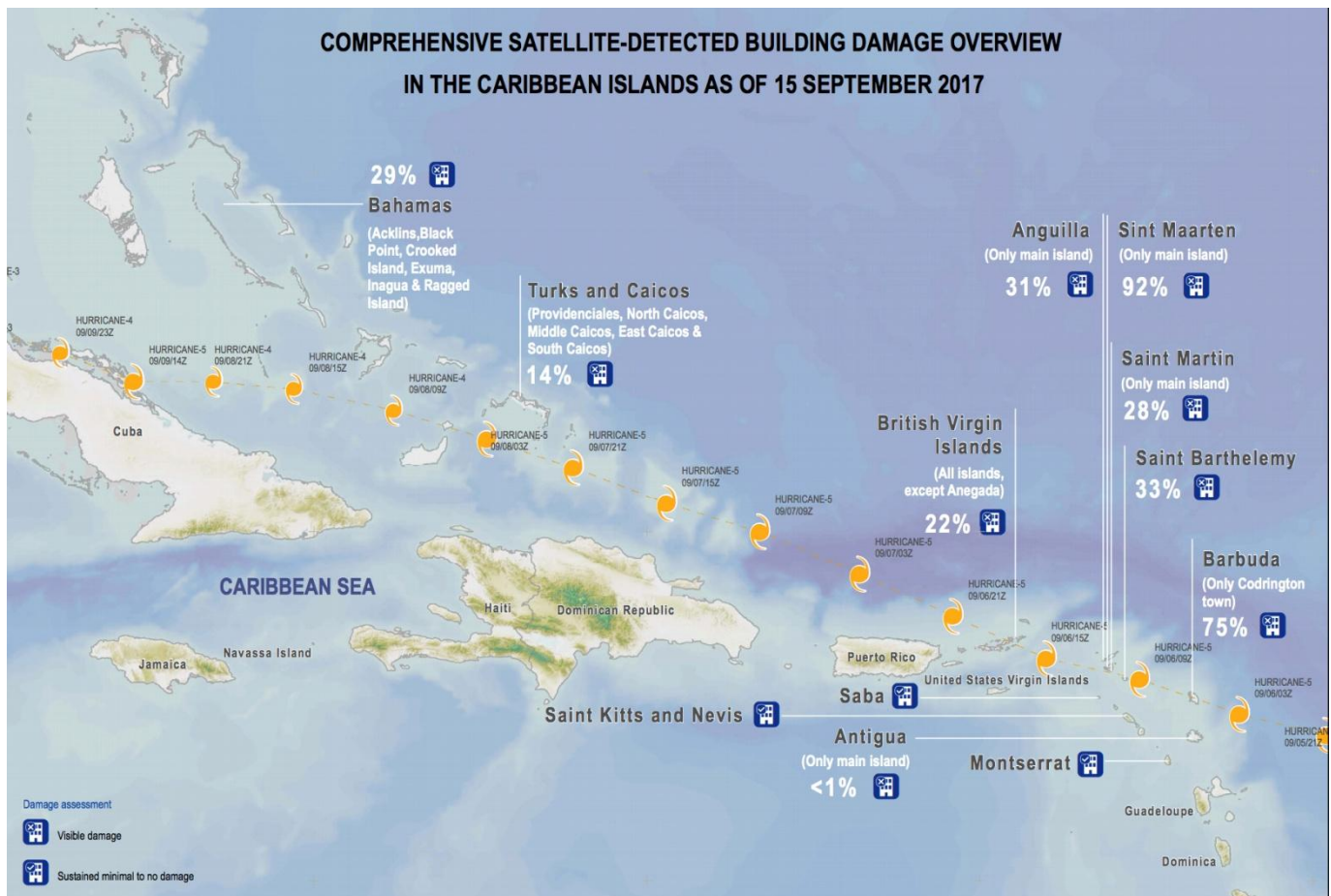
Anguilla, Antigua and Barbuda, Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Haiti, Jamaica, Montserrat, St. Kitts and Nevis, Saint Lucia, St. Vincent and Grenadines, Suriname, Trinidad and Tobago, Turks and Caicos Islands, Virgin Islands

Comprehensive Satellite-Detected Building damage Overview in the Caribbean – UNITAR UNOSAT

UNITAR-UNOSAT has produced a preliminary building damage assessment overview map that provides percentages of damaged buildings per country / territory / island assessed by the different satellite mapping groups (UNOSAT, Copernicus EMS, SERTIT and NGA) as of 15 September 2017.

Kindly note that overall percentages of buildings damaged are based on pre-cyclone building footprints data provided by Humanitarian Open Street Map as of 13 September 2017, as well as on satellite detected damaged building counts covering only cloud free areas within specific satellite imagery analysis extents. It is highly probable; therefore, that percentages of buildings damaged currently reported in this map may be underestimating the actual building and infrastructure damages present on the ground. The initial damage assessment will produce further details on the actual damage.

A comprehensive building damage assessment report will be released next week by UNITAR-UNOSAT. This report will provide additional updates about satellite based building damage estimates, as well as more information about the methodology used for analysis by different satellite mapping groups.





PARTICIPATING STATES

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PRIORITY NEEDS

Following the passage of Hurricane Irma, the impacted CDEMA Participating States are in need of emergency assistance. Where possible, you are encouraged to make cash donations in an effort to purchase items locally (that is, in the impacted States) as an opportunity to reinstate dignity as well as to restart the local economy. We recognise the generosity and efforts of our partners and individuals/companies who are offering relief supplies to the affected population. To facilitate easier coordination, persons organizing relief supplies are asked that items are categorized and quantified. This will make it easier for shipment/transfer of the items as you will be required to provide a manifest indicating what is being sent. We also ask that these items are prepackaged for easier distribution to families. With regards to clothing items, we kindly ask that such items are also categorized based on age group, gender, size (e.g. shoes) etc. Please also indicate the condition of the clothing items. This will allow for a better flow of the relief supply pipeline and mitigate impediments to the supply chain.

The following lists of identified needs have been provided by each of the impacted States. Please match your giving to the needs identified:

	<h1>ANGUILLA</h1>
<ul style="list-style-type: none"> • Water cases • Tarpaulins • Water bowser containers • Generators • Cleaning supplies • Mosquito repellent • Comfort kits • Food • Baby kits • First aid kits • Matches • Ziplock bags • Paper towel • Buckets • Rubbing alcohol • Medical supplies • Cold storage 	<p>Anguilla</p> 

PARTICIPATING STATES

Anguilla, Antigua and Barbuda, Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Haiti, Jamaica, Montserrat, St. Kitts and Nevis, Saint Lucia, St. Vincent and Grenadines, Suriname, Trinidad and Tobago, Turks and Caicos Islands, Virgin Islands



ANTIGUA AND BARBUDA

General Items

- Generators
- Disposable wipes
- Water purifiers
- Water treatment tablets
- Water pumps
- Buckets
- Containers for storage
- First aid kits
- Painkillers
- Batteries
- Torches

Food

- Dried goods
- Canned foods
- Bottled water

Household Items

- Sleeping cots
- Mattresses
- Pillows
- Bed linen
- Towels
- Kitchen Utensils

Items for Infants/Babies

- Dried/canned milk
- Nappies (various sizes)
- Baby bottles
- Toys for children

Women/Men Toiletries

- Toothbrushes
- Toothpaste
- Deodorant
- Body lotion
- Sanitary napkins
- Shaving items for both men and women

Antigua and Barbuda



Building Materials

- Steel
- Lumber
- Plywood
- Roofing material
- Tarpaulin
- Windows
- Doors
- Nails (assorted)
- Screws (assorted)
- Hammers
- Screwdrivers
- Toilets

Industry

- Fishing pot wires
- Buoys

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VIRGIN ISLANDS (UK)

- Food
- Water jugs
- Water
- Water purification tablets
- Tarpaulin
- Poles/transformers/lines
- Heavy equipment to support replanting and line construction
- 4 phased generators (ZBVI included)
- 2 x 4 ply wood (170 needed for JVD)
- Sat phones
- Chainsaws/hand tools/wheel borrows
- Wood chippers
- Metal compressors
- Nails
- Saws
- Fuel pumps
- Cots
- Repeater antennas
- Mobile repeaters
- Hand held radios
- Flashlights
- Batteries
- Printers
- Laptops for LSS/SUMA and NEOC
- Blankets



Health

- Linens
- Towels
- EMT kits
- Ambulances

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TURKS AND CAICOS

- Food (non-perishable items)
- Baby food
- Diapers
- Personal hygiene
- Potable water
- Water purification tablets
- Water cases
- Water bowser containers
- 2.5 Megawatt Generators
- Cleaning supplies
- Mosquito/Insect repellent
- Mosquito nets
- Cots
- Blankets (thin)
- Vector control substances
- Shelter materials including
 - Tarpaulins
 - Building materials including ply wood
 - Miscellaneous materials (screws, nails etc)



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REGIONAL RESPONSE ACTIONS

CDEMA Coordinating Unit

- CDEMA launched an online donation facility today (September 15, 2017). Persons can make online donations (using credit cards) to the Hurricane Irma Relief campaign (visit www.cdema.org)
- Second (2nd) High Level mission to Turks and Caicos Islands (TCI) on Friday, September 15, and The Bahamas and Haiti planned for Saturday, September 16. The mission includes Ambassador Irwin LaRocque, Secretary General and Chief Executive Officer of CARICOM, Dr. Hon. Keith Mitchell, current Chair of CARICOM and Prime Minister of Grenada, Mr. Ronald Jackson, Executive Director of CDEMA and Captain (N) Errington Ricardo Shurland, Executive Director of the Regional Security System (RSS) and other officials
- The CDRU team (22 members) continues to facilitate distribution of relief supplies to the impacted communities in Virgin Islands (UK)
- The COST continues to provide support to the NEOCs in the VI and TCI
- RNATs continue to provide support in the VI and TCI

Caribbean Public Health Agency (CARPHA)

- Personnel deployed to Tortola on September 10 as part of the CDEMA RNAT, worked with the Ministry of Health and PAHO to conduct assessments of health facilities and shelters and provided support to Ministry of Health to assess the vector control situation
- Provided technical assistance on the assessment of the vector control situation, provided remotely by entomologist to Barbuda through the Chief Environmental Health Officer
- Working closely with PAHO to coordinate the vector control response. Entomologists, vector control specialists, suppliers of insecticides, bed nets, equipment, etc have been identified. A list of available resources is currently being developed

INTERNATIONAL INSTITUTIONS UPDATES

Global Affairs Canada (GAC)

Antigua and Barbuda

- Barbuda 7-member Canadian Damage Assessment Team landed and assessed the status on the ground to inform decisions on further assets required

Virgin Islands (UK)

- Funded supplies being provided through the Canadian Red Cross to 500 families in Tortola. Supplies arriving by Canadian Air Force include tarpaulins, buckets, kitchen sets, mosquito nets and others supplies.

Turks and Caicos Islands (TCI)

- Funded Canadian Red Cross supplies being delivered by WestJet to Providenciales, which include tarpaulins, hygiene kits, 10L jerry cans, kitchen sets, blankets and buckets.
- 7-member Canadian Damage Assessment Team landed and assessed the status on the ground to inform decisions on further assets required.
- HMCS St Johns arrived in TCI and offloading humanitarian supplies in coordination with NDO.

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Regional

- CAD\$100,000 made available to CDEMA, awaiting project documentation to action.
- Antigua and Barbuda and St Kitts Nevis CAD\$45,000 released to joint Red Cross appeal.
- Regional CAD\$250,000 released to PAHO appeal

USAID

Antigua and Barbuda

- Relief Flight: 65 metric tons (MT) of relief commodities, which include blankets, hygiene kits, kitchen sets, plastic sheeting, and water containers for hurricane-affected families

Bahamas

- Relief Flight: more than 30 MT of relief commodities—including blankets, hygiene kits, kitchen sets, plastic sheeting, and water containers

DFID/UK

Anguilla

- 106 DFID shelter kits from Mounts Bay distributed by Red Cross; 6.8 tonnes food and water (plus 5 tons from CDEMA)

Virgin Islands (UK)

- 148 shelter kits; 4.2 tonnes food and water (plus 5 tons from CDEMA and IT supplies)
- 830 households reached so far (mostly Road Town; 130 families in East End school shelter)

Turks and Caicos Islands (TCI)

- 0.8 tonnes water ;153 shelter kits (200 more on their way) distributed

Regional

- Pledged **£57 million** to cover the immediate emergency response needs
- A hotline for calls has been established (+44 (0)207 008 0000)
- Response efforts are being coordinated through CDEMA and national disaster management offices
- 2,848 shelter kits, 5,000 solar lanterns and 10,000 buckets in region
- A further 5,000 hygiene kits, 10,000 buckets, and 500,000 aqua tabs on HMS ocean next week (departed 12/09 with 60 tonnes of supplies)
- 2 Interagency Emergency Healthcare Kits expected 15/09 (1 donated by IMC)
- Other supplies enroute from DR 15/09 include 3 tonnes building materials, fuel, tools, generators - allocation between islands under discussion
- Transportation of generator for desalination plant and possibly 16 Petrol pumps from US for Anguilla Power network restoration expertise transferring to BVI and TCI
- Approximately 1,200 troops now deployed to region (BVI 199; USVI 172; Mounts Bay 163; Anguilla 66; TCI 87; St Maarten 6)
- Have two aircraft (C17 and C400), 2 Puma helicopters with a third being assembled as well as a staff charter between affected states (7 seater)
- The UK has provided further 54 police officers to assist with public order (50 in BVI; 4 Anguilla) as well as prison officers

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- A 23 person Rapid Deployment Team (RDT) is in the region to provide consular support services (BVI, TCI, Anguilla, St Maarten, Puerto Rico and Bridgetown)
- 3 UK Med Health Experts deploying 14/09 to assist PAHO and CARPHA on assessing health facilities risks as well as health and social needs
- 34 humanitarian field staff in the region supporting
- CDEMA RRM and NDMOs: (4 in TCI, 8 in Antigua and Barbuda; 5 BVI; 3 Anguilla; 3 Barbados; 3 Dominican Republic; 3 Miami) as well as 4 DFID funded map action experts part of UNDAC team deployments to region

UNITED NATIONS (UN) AGENCIES

Pan American Health Organisation (PAHO)

Turks and Caicos Islands

- In North Caicos there was one functional clinic with minor roof damage, one clinic is not functional and services have been transferred to another government building and the hospital has a new generator that is not working

Antigua and Barbuda

- Antigua Health promotion materials, WASH materials, and basic drugs were identified as needed
- Routine healthcare services continue in Antigua at the public hospital and 25 health centers
- Five (5) health centers have been identified to serve the population that was evacuated from Barbuda. A standardized shelter surveillance system is necessary to establish a strong epidemiological surveillance

UNDP

Barbuda

- Technical support to the Government on the debris management process

UNICEF

Regional

- Five (5) staff members deployed to Antigua and Barbuda, Anguilla, TCI and VI to undertake assessments particularly focusing on child protection and education sector management, water and sanitation, shelter management, communication for development needs and planning for psychosocial support of children start-up
- Rapid Needs Assessment Tool has also been developed and shared with deployed colleagues to facilitate data gathering and sharing
- Psychosocial support programme for children Return to Happiness starting on 14 September for Barbudan children in Antigua
- Supplies pre-positioned in Antigua being distributed and pre-positioned supplies in Barbados in process for dispatch to Antigua for onward distribution in Anguilla, BVI and TCI. Supplies currently available for distribution: 7 tents (72 sq. m), 2 tents (42 sq. m), 90 school-in-a-box kits, 16 recreation kits, 300 school bags (back packs), 645 dignity and family hygiene kits, 20 Early Childhood Development (ECD) Kits, 14 recreational Kits, 238 ORS, 2,080 water purification tablets
- Supplies to be ordered for distribution include: 69 1000 litre water tanks, 193 ECD Kits, 309

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School-in-a-box kits, 135 Recreation kits, and 69 tents. Start-up of UNICEF Coordination Office Hub in Antigua to better facilitate our response and coordination with other development partners has also commenced

UNDAC

Regional

- UNDAC continues to work with CDEMA both at the Headquarters in Barbados and at the field level with assessments and coordination

Regional Multi-sectoral Response

- UN OCHA published and launched a Regional Response Plan that was developed by UN Agencies and partners to raise US\$ 27 million to address the urgent needs of the most vulnerable people affected by Hurricane Irma

CDEMA continues to monitor the system and provide updates as necessary.

CONTACT DETAILS: The CDEMA CU 24-hour contact number 1(246) 434-4880

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