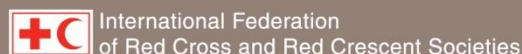


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Emergency appeal operation update

Cuba: Hurricane Irma



Operation n° MDRCU004	Glide n° TC-2017-000132-CUB
Date of Ops update no.1 issued: 2 October 2017	Date of disaster: 9 September 2017 Appeal launched: 15 September 2017 Revision n° 1 issued: 28 September 2017
Responsible for the Operation: Santiago Luengo - Regional Disaster Management Coordinator (santiago.luengo@ifrc.org)	Point of contact: Luis Foyo, Executive President of the Cuban Red Cross
Operation start date: 8 September 2017	Expected timeframe: 12 months (the operation end date is 15 September 2017)
Overall operation budget: 7,570,948 Swiss francs (CHF); initial DREF allocated CHF 453,459 Appeal coverage (including in kind contributions) is 6.89 per cent	
Number of people affected: 10 million	Number of people to be assisted: 5,000 families (25,000 people)
Host National Society presence (n° of volunteers, staff and branches): The Cuban Red Cross (CRC) has 1 national headquarters, 47,000 volunteers, 381 staff members and 183 branches	
Red Cross Red Crescent Movement partners actively involved in the Operation: International Committee of the Red Cross (ICRC), the International Federation of Red Cross and Red Crescent Societies (IFRC), the Canadian Red Cross Society, Norwegian Red Cross and Spanish Red Cross.	
Other partner organisations actively involved in the Operation: United Nations Development Program (UNDP), Civil Defence, Government Ministries (Health, Trade, Energy, Housing, etc.), European Commission's Directorate-General for European Civil Protection and Humanitarian Aid Operations (DG-ECHO).	
Contributions to the Emergency Appeal: The American Red Cross, Canadian Red Cross Society (from Canadian government), Japanese Red Cross Society and Trafigura Foundation.	

A. Situation Analysis

A.1 Description of the disaster

The strong impact of Hurricane Irma caused severe damage to people's livelihoods, basic services, and infrastructure in rural and coastal communities in the central and western regions of the country. Sectors such as housing, electric power generation, agriculture, communications, public health, education, culture, and sports suffered significant damage and recovery efforts are complex and costly. Local governments are increasing measures to ensure food and water supplies as well as to protect essential goods for affected populations.

Of the 1,863,589 people who were protected in the wake of Hurricane Irma, 11,689 continue to receive state support with food and other essential items, in Ciego de Avila, Camagüey, Villa Clara, Holguin, Sancti Spiritus, Havana, Las Tunas, Matanzas and Guantánamo.

A.2 Summary of the current response

Overview of the Host National Society

4,225 volunteers are activated, of which 2,533 are from the operations and relief groups (GEOS in Spanish), carrying out recovery work in the affected regions in sanitation and epidemic control including 531 volunteers working in the protection centres. The Restoring Family Link office is working with 168 volunteers at the municipal level, in the 15 provinces and the central headquarters) with 1161 volunteers are kept active.

Overview of Red Cross Red Crescent Movement in country

The IFRC continues providing support and coordination with the CRC through its Country Cluster Support Team based in Haiti, and through the Regional Office for the Americas based in Panama. The IFRC's communications manager from the Regional Office was deployed from the onset of the emergency to support the National Society. In addition, the head of the Country Cluster Support Team and the regional disaster management coordinator (also emergency shelter focal point) were deployed to the country on 13 September to coordinate response actions of this operation. The sectors and needs addressed by this Emergency Appeal were identified by the CRC in coordination with the government. Furthermore, the IFRC and the CRC have already had meetings with DG-ECHO in the field to coordinate response actions and a proposal is currently underway. Two additional Regional Intervention Team (RIT) members (general and shelter) could be made available for deployment if needed.

The Norwegian Red Cross, who has had presence in the country, deployed one staff member to support the National Society's response efforts. In addition, two delegates (one from the Canadian Red Cross Society and one from the Spanish Red Cross) were deployed on 14 September with the aim to contribute to the response requirements of the Cuban Red Cross. The Canadian Red Cross Society coordinated with the National Society and the IFRC to dispatch relief items for 500 families.

In addition, the Cuban Red Cross coordinated bilaterally with the Spanish Red Cross, through its permanent cooperation programme, a shipment of new clothes and footwear for adult, and psycho-pedagogical centres including children without subsidiary protection, which will not be reflected in this plan of action.

Movement Coordination

The IFRC's regional office for the Americas (ARO) has been sharing official information from the CRC with all Movement members. In addition, CRC led coordination meetings at country level with the Spanish Red Cross, Canadian Red Cross Society and the IFRC.

At the onset of Hurricane Irma, communication was established with Movement partners to keep them informed of the storm's path through the Caribbean. Similarly, the necessary information mechanisms were established through the Partnerships and Resource Development (PRD) department.

Needs analysis, beneficiary selection and risk assessment and scenario planning

The Civil Defence continues conducting damage assessments. The Cuban Red Cross participates in such activities through its role as an auxiliary to the public authorities with defined protocols, roles and responsibilities. The information received has been provided by United Nations and Cuban Red Cross situation reports.

Health

On Friday, 22 September, the Ministry of Health reported 969 health units are among the most affected out of the 1,026 initially reported. The affected facilities are: 30 national facilities (including 6 Medical Sciences universities) and 939 provincial health institutions, 68 hospitals, 124 basic health care centres, 86 social institutions (maternity care centres, nursing homes, senior care centres, etc.), 364 Family Doctor's Offices, 150 pharmacies, and 147 corresponding to other categories (such as stomatology clinics, blood banks, opticians, warehouses, local medication production centres, and workshops).

Water and Sanitation

Despite the effort of over a hundred workers, damage to water pumping systems in the affected provinces remain. In Villa Clara, the Chlorine Sosa Production Plant in Sagua la Grande was seriously damaged. Despite intense recovery efforts, normal production levels have not yet been restored. The production and distribution of hypochlorite and aluminium sulphate, basic products to guarantee drinking water quality, are stabilizing in affected provinces, according to the Vice Minister of Industry.

Shelter

158,554 homes are reported affected: 14,657 are destroyed and 16,646 are partially affected. In addition, 23,560 homes lost roofs and 103,691 have partial damages. To respond to this situation, the government announced the State Budget should finance 50 per cent of the price of construction materials sold to people affected by the total or partial destruction of their homes. Similarly, 50 per cent of the current retail price of primary consumer goods for the affected population has been subsidized, including mattresses, hygiene products, cooking equipment and household appliances. In cases of greatest need, 100 per cent of the value of some assortments has been subsidized.

In addition, inventories of these resources and construction materials were immobilized in the commercial network and made available to provincial defence councils for priority attention to the victims.

Food Security and Nutrition

Around 900 food outlets were made available, with modest prices, in the most depleted areas. Likewise, warehouses and other retail units were relocated, to maintain the sale of the normalized family basket, as well as other products released.

Beneficiary Selection

Intervention actions will take place in 31 municipalities in the provinces of Ciego Ávila, Matanzas, Villa Clara, Las Tunas, Camagüey, Holguín and Havana as part of the plan of action; the communities will be selected in consultation with local authorities.

Beneficiary selection has not started as the assessments are still ongoing and not all the affected people have been registered; however, in coordination with government authorities and other agencies, the Cuban Red Cross will select the beneficiaries based on the preliminary figures on the families whose homes were either destroyed or partially damaged, and the data on the most vulnerable households such as female-headed ones. The selection process will be conducted through community beneficiary selection meetings in:

Province	Municipalities
Havana	Habana del Este
	Habana Vieja
	Centro Habana
	Plaza
	Playa
Matanzas	Martí
	Cárdenas
	Matanzas
	Los Arabos
	Unión de Reyes
Camagüey	Sierra de Cúbitas
	Florida
	Nuevitas
	Esmeralda
Las Tunas	Jobabo
	Manatí
	Jesús Mendez
	Puerto Padre
Holguin	Gibara
	Frank Paí
	Banes
	Mayarí
	Rafael Freyre
Villa Clara	Encrucijada
	Caibarién
	Sagüa la Grande
	Santo Domingo
Ciego Ávila	Bolivia
	Moron
	Chambas
	Venezuela

Risk assessment

A main risk is possible ruptures to the distribution networks that supply drinking water to the provinces of Ciego Avila, Matanzas, Las Tunas, Villa Clara, Camagüey, Holguín and Havana, as this may pollute the water by allowing other types of liquids into the pipes, and cause more frequent interruptions during the recovery process.

Many people have been forced to increase water storage in their homes due to the irregular water supply, thereby inadvertently causing an exponential increase in "nesting grounds" for mosquitoes, particularly the *Aedes aegypti*.

In terms of housing and considering the risks associated with the structural level of homes, the distribution of wood suitable for roofing is an associated risk for the operation since the building process could be delayed if the wood is not provided in a timely fashion; consequently, the technical assessment of the damaged homes' roofing needs will be carried out in coordination with the government.

B. Operational strategy and plan

Overall objective

Support the Cuban Red Cross to meet the immediate humanitarian and early recovery needs of at least 5,000 families (25,000 people) affected by Hurricane Irma in the most affected provinces through the provision of water, sanitation, and hygiene promotion support, emergency shelter assistance (including non-food items [NFIs] and housing support through the replacement of basic items and roof repair.

Proposed Strategy

Through its network of committees and volunteers, the Cuban Red Cross has been assisting communities, municipalities and provinces with their evacuation and response efforts since before the hurricane's arrival, and the CRC has been conducting damage assessments and reporting its findings to its headquarters through its own communication channels.

The strategy includes a detailed assessment for both the selection of beneficiaries and for the delivery of humanitarian aid to each province, in coordination with the authorities.

The CRC's objective is linked to the early recovery phase and to the building of local capacity to bolster the hurricane-affected communities' resilience.

The Cuban Red Cross' strategy, which is based on the lessons learned from similar operations, will focus on responding effectively and in line with its auxiliary role, as well as on being better prepared for future emergencies at the country level through the following actions:

- Distribution of chlorine tablets, water tanks, collapsible water bottles, buckets, hygiene kits and mosquito nets to reduce the immediate risk of vector and water-related diseases for 5,000 families, provision of support to hospitals and clinics in the affected provinces and the realization of volunteer and community-level workshops.
- Distribution of NFIs such as tarpaulins, tools, bedding and kitchen kits to 5,000 families during the first days of the emergency.
- Safe repair of 5,000 roofs for families who suffered partial damages and whose roofs have been deemed repairable as per the beneficiary selection; these repairs will be guided by participatory approach to safe shelter awareness (PASSA) and technical training on roof repair.
- Searching for separated family members and the restoration of family links in the emergency's initial stages through CRC's operational branches.
- The updating of municipal, provincial and national contingency plans for emergency response.
- In addition to the above, and within the framework of the CRC's institutional strengthening, the National Society will be supported on the facilitation of IFRC processes and methodologies, particularly the Organizational Capacity Assessment and Certification (OCAC), the Well-Prepared National Society methodology and an institutional development plan of action; and, the Branch Organizational Capacity Assessment (BOCA) process at the regional and local levels.

Human Resources

Items will be distributed to households by CRC volunteers from the provinces of Ciego Ávila, Matanzas, Las Tunas, Villa Clara, Camagüey, Holguin and Havana, who already have experience in similar activities; these actions will be conducted in coordination with the authorities in each area.

The monitoring role will be undertaken by CRC national headquarter staff. The CRC will be responsible for implementing the plan of action through its technicians. CRC staff will fill the following positions, as no personnel will be hired for this operation:

- Financial manager
- Volunteer Water and Sanitation Technician
- Volunteer Shelter Technician

The IFRC will support the operation through its country cluster support team (Haiti, Dominican Republic, Cuba) based in Haiti; it will also provide support through a disaster management coordinator from the Pan American Disaster Response Unit (PADRU), who will be tasked with providing technical support and guidance to the operation. If necessary, ARO technical area specialists will support the Cuban Red Cross. Insurance coverage will be provided to 7,000 volunteers, and an operation coordinator will be hired to track and monitor this plan of action.

Logistics and supply chain

Logistics activities are intended to effectively manage the supply chain, including deployment, procurement, customs clearance, fleet, storage, and transport to distribution points; these activities will be carried out in accordance with operation requirements and IFRC standards, processes and logistical procedures.

<u>Item Description</u>	<u>TOTAL QTY REQUESTED</u>	<u>TOTAL COVERED</u>	Canadian Charter ETD-ETA: sep 23	IFRC Charter ETD-ETA: sep 23	Spanish RC Charter ETD-ETA: sep 23	Spanish RC Air shipment ETD-ETA: TBC	Outstanding
ROOFING KIT	5,000	-					5,000
Zinc Sheet	300,000	-					300,000
LADDER, aluminium, 10m	50	-					50
BUCKET, plastic, 14L	4,000	1,404	500	904			2,596
JERRYCAN, foldable, 10L	10,000	3,000	1,000	2,000			7,000
BLANKET, light	1,500	2,500	2,500				(1,000)
TARPAULINS	10,000	2,500	1,000	1,500			7,500
MOSQUITO NETS	10,000	5,200	1,000	2,000		2,200	4,800
KIT, SHELTER, (hammers, thread, metric tape)	5,000	-					5,000
Galvanized Hurricane Straps	10,000	-					10,000
KITCHEN SET	5,000	2,323	500	795		1,028	2,677
SHELTER TOOL KIT	5,000	1,500	500	1,000			3,500
HYGIENE PARCEL	5,000	3,049	500	1,000	1,549		1,951
AQUATABS	300,000	160,000		160,000			140,000

For more information on in-kind contributions please see the mobilisation table on IFRC web page (DMIS) section: https://www-secure.ifrc.org/DMISII/Pages/03_response/0307_logistics_mobTab.aspx.

Information Technology (IT)

Mobile and fixed telephony and a very high frequency (VHF) radio system will be used to maintain direct communications with provinces/branches. Communications through these channels will support a large part of the activities in the field and help provide advisories and monitoring of the emergency, which will be done through CRC's network of volunteer amateur radio operators.

Hygiene promotion materials will be distributed by CRC volunteers, requiring the provision of calling cards to authorized personnel.

Communications

The CRC's Communications Department will contribute to the proper dissemination of humanitarian actions through various components to keep the public informed of the situation, as well as to document beneficiary testimonials and disseminate prevention and information materials.

The IFRC will support the CRC in designing and implementing key hygiene promotion awareness, advocacy and self-care messages for the population, including an accountability strategy, to reach partners, stakeholders and beneficiary communities.

Planning, monitoring, evaluation and reporting (PMER)

Monitoring mechanisms will be established for the entire implementation period based on the monitoring of activities and proposed indicators. Defined and adapted instruments will be used for reporting, visits to the field and interviews involving key actors.

The following tools and instruments will be part of the monitoring:

- Monthly review of implementation against action and work plans based on monthly implementation reports
- Visits to the affected neighbourhoods and municipalities by the head of relief and disaster response along with each branch's technician; these visits will include meetings and interviews with branch teams, key actors and the beneficiaries from the affected communities
- Reports on monitoring missions to the field.
- Narrative operation reports as per IFRC standards (operations updates, one six-month report and a final report)

Work and coordination within the community and local authorities will take place from the branch, allowing for direct and efficient communication. Branches will establish liaisons with central headquarters for logistical, financial and administrative purposes.

A final evaluation will be conducted at the end of the programme's implementation to analyse whether the operation's objectives and proposed outcomes have been fulfilled and to collect lessons learned.

Administration and Finance

The IFRC, through its disaster management coordinator, the country office for Cuba, Haiti and Dominican Republic, and its Finance Department, will provide the necessary operational support for the budget review and validation, and technical assistance to the National Society on expense justification procedures, including invoice review and validation.

The proper use of financial resources will be in accordance with the conditions laid down in the memorandum of understanding between the National Society and the IFRC. Financial resource management will be per National Society regulations and Disaster Relief Emergency Fund (DREF) and Emergency Plan of Action guidelines.

The National Society's procedures will be applied to the expense justification process using IFRC formats. According to Emergency Appeal procedures, the operation will only cover costs incurred during the twelve-month operation; it will not cover permanent structural costs.

C. DETAILED OPERATIONAL PLAN

Water, sanitation and hygiene promotion

Needs analysis: The affected provinces lack electricity, which is needed to ensure water pumping. The storm surges, the damage to sanitary facilities and flooding from rivers and streams have contaminated cisterns along the affected municipalities' northern coastline. Restoring water supply will be a gradual process; therefore, it will be necessary to provide specific support to hygiene technicians on the use of chlorine tablets and measuring water quality levels through residual chlorine measurement kits. Lastly, there is need to prevent the spread of vectors and to manage solid waste.

Population to be assisted: The aim is to cover the needs of 5,000 families in the provinces of Ciego Ávila, Matanzas, Las Tunas, Villa Clara, Camagüey, Holguin and Havana, in coordination with authorities in the communities most affected by Hurricane Irma.

Outcome 1: The immediate risk of water-related diseases in affected communities is reduced	Outputs		% achieved
	Output 1.1 Daily access to drinking water, which meets SPHERE quantity and quality standards, is provided to the target population (5,000 families)		13%
	Output 1.2 Hygiene-related goods, which meet Sphere standards, are provided to the target population		21%
Activities	Implementation on time?		% of progress
	Yes	No	
Identification of communities for beneficiary selection, in coordination with local authorities	X		50%
Purchase of materials according to IFRC procedures	X		50%
Distribution of collapsible bottles and buckets for 5,000 families.	X		0%
Distribution of 5,000 250-litre water tanks	X		0%
Distribution of Aquatab tablets (40 mg NADCC 67 mg) through the health system	X		0%
Residual chlorine measurement kit with DPD1 and DPD3	X		0%
Distribution of 25 household water pumps	X		0%
Purchase and distribution of plastic trash bags.	X		0%
Purchase and distribution of 5,000 hygiene kits.	X		50%
Purchase and distribution of 10,000 impregnated mosquito nets	X		50%
Reproduction and printing of hygiene promotion materials and distribution thereof in communities	X		50%
Hygiene promotion workshop for volunteers	X		0%
Hygiene promotion workshop for communities.	X		0%
Progress against results			
Identification of communities for beneficiary selection, in coordination with local authorities			
Based on assessments, communities and CRC committees have been working on selecting beneficiaries for both the emergency and recovery phase, in coordination with the authorities			
Purchase of materials according to IFRC procedures			
Through the Americas Regional Office, the procedures for purchasing hygiene NFIs have been conducted; the 250-litre tanks and the 25 household water pumps are still pending.			
Distribution of collapsible bottles and buckets for 5,000 families			
Collapsible bottles: 3,000 10-litre collapsible bottles have arrived in the country. These are currently warehoused pending distribution in coordination with the authorities.			
Buckets: There are 1,404 plastic buckets in the country for distribution			
Distribution of 5,000 250-litre water tanks			
Work is being done on the technical sheet, and the purchase process will be initiated through the Regional Logistics Unit			
Distribution of Aquatab tablets (40 mg NADCC 67 mg) through the health system			
The first shipment of 10 boxes of Aquatabs (160,000 Tablets) has arrived from Panama, which will be distributed			

through Health System facilities as required

Residual chlorine measurement kit with DPD1 and DPD3

The purchase process is being initiated through the Regional Logistics Unit

Distribution of 25 household water pumps

Work is being done on the technical sheet, and the purchase process will be initiated through the Regional Logistics Unit.

Purchase and distribution of plastic trash bags

The purchase process is being initiated through the Regional Logistics Unit

Purchase and distribution of 5,000 hygiene kits

3,049 hygiene kits have arrived in the country, of which 500 were sent by Canadian Red Cross, 1,549 by Spanish Red Cross and 1,000 by IFRC, all as per IFRC standards.

Purchase and distribution of 10,000 impregnated mosquito nets

3,000 mosquito nets have arrived in the country, of which 1,000 were sent by Canadian Red Cross and 2,000 by IFRC

The 2,000 LLITNs provided by IFRC will be distributed in Health Centres to patients who require them.

Reproduction and printing of hygiene promotion materials and distribution thereof in communities

The graphics for the promotional materials are being worked on, which will be based on previous experiences. These could be distributed in coordination with hygiene promotion workshops and together with the hygiene kits which will be distributed in communities in the next few days.

Hygiene promotion workshop for volunteers

Scheduled for 13-18 October

Hygiene promotion workshop for communities

Scheduled as of November in 7 operation provinces

Shelter and settlements (and household items)

Needs analysis: 158,554 homes are reported affected: 14,657 homes are total destroyed and 16,646 are partially affected. In addition, 23,560 homes lost their roof and 103,691 homes have partial damages.

Population to be assisted: A total of 5,000 families in the provinces of Ciego Ávila, Matanzas, Las Tunas, Villa Clara, Camagüey, Holguin and Havana, in coordination with Ministry of Housing in the municipalities most affected by Hurricane Irma.

Outcome 2: The immediate shelter and settlement needs of the target population (5,000 families) are met. Outcome 3: The target population (5,000 families) has durable and sustainable shelter solutions	Outputs		% achieved
	Output 2.1 Essential Household Items (non-food items (NFI) and emergency shelter assistance are provided to the target population (5,000 families)		
Output 3.2: Durable shelter solutions that meets agreed upon standards are provided			7%
Activities	Implementation on time?		% of progress
	Yes	No	
Development of a beneficiary selection and registration strategy to deliver humanitarian aid	X		50%
Purchase and shipping of 2,500 tool kits	X		30%

Purchase and shipping of 10,000 plastic tarpaulins	X		30%
Purchase and shipping of 2,500 hammers with 2,500 kg of nails for fastening tarpaulins.	X		0%
Purchase and shipping of 5,000, kitchen kits	X		46%
Purchase and shipping of 10,000 bed sheet and pillowcase sets (2 sets per family)	X		0%
Distribution of relief items	X		0%
Monitoring and evaluation of relief activities and provision of distribution reports.	X		0%
Identification of specific communities and beneficiaries in coordination with local government authorities.	X		0%
Deployment of Shelter focal point.	X		50%
Purchase of materials to rebuild 5,000 damaged roofs (250,000 zinc sheets and installation materials)	X		0%
Community home rebuilding workshops	X		0%
Roof reconstruction workshop to technicians	X		0%
Participatory PASSA workshop and implementation of activities	X		0%
Supervision and monitoring of home repairs.	X		0%

Progress against results

Development of a beneficiary selection and registration strategy to deliver humanitarian aid

Based on assessments, communities and CRC committees have been working on beneficiary selection in coordination with the authorities.

Purchase and shipping of 2,500 tool kits

1,500 toolkits have arrived in the country, of which 500 were sent by Canadian Red Cross and 1,000 by IFRC, all as per IFRC standards for tools. The remaining 1,000 toolkits will be shipped by sea.

Purchase and shipping of 10,000 plastic tarpaulins

2,500 plastic tarpaulins have arrived in the country, of which 1,000 were sent by Canadian Red Cross and 1,500 by IFRC, all as per IFRC standards for 6 x 4 tarps. The remaining tarps will be shipped by sea.

Guides on how to use the tarps will be delivered to the people targeted to receive them.

Purchase and shipping of 2,500 hammers with 2,500 kg of nails for fastening tarpaulins

The purchase process is being initiated through the Regional Logistics Unit

Purchase and shipping of 5,000, kitchen kits

1,500 kitchen kits have arrived in the country, of which 500 were sent by Canadian Red Cross and 1,000 by IFRC, all as per IFRC standards. The remaining 3,500 kitchen kits will be shipped by sea.

Purchase and shipping of 10,000 bed sheet and pillowcase sets (2 sets per family)

The purchase process is being initiated through the Regional Logistics Unit

Distribution of relief items

Relief items are in the process of being transported to the affected provinces through the mechanisms in place.

Monitoring and evaluation of relief activities and provision of distribution reports

Not yet started.

Identification of specific communities and beneficiaries in coordination with local government authorities

This process, based on beneficiary selection within this plan of action, is being coordinated jointly with the appropriate authorities to avoid duplicating efforts. Communities and families are being identified based on partial damage. A technical sheet based on the experience gained from Hurricane Sandy is being used to estimate materials.

Deployment of Shelter focal point

The Regional Disaster Management Coordinator and the Shelter Focal Point from the Americas Regional Office were deployed to Cuba to support the plan of action.

Purchase of materials to rebuild 5,000 damaged roofs (250,000 zinc sheets and installation materials)

The purchase process is being initiated through the Regional Logistics Unit

Community home rebuilding workshops

This process will not start in this phase of the plan of action until CRC staff has been trained. Community workshops will use the experience gained during Hurricane Sandy.

Roof reconstruction workshop to technicians

The participant selection process is being initiated from CRC Headquarters. This training will be delivered in November to Cuban Red Cross technicians with support from IFRC Shelter Technical focal point.

Participatory PASSA workshop and implementation of activities

This activity has not begun

Supervision and monitoring of home repairs

This activity has not begun.

Restoring Family Links

Needs analysis: Given the displacement of families during the evacuation, restoring of family links actions are needed to reunite families that may have been separated during the process. 900 volunteers will support these efforts, which means operational support will be required to deploy them.

Output 4: People in areas affected by Hurricane Irma are able to inform their family of their fate	Outcomes		% achieved
	Output 4.1 Services for affected population who are not able to contact their families are provided		100%
Activities	Implementation on time?		% of progress
	Si	No	
Deployment of volunteers specializing in the search for and restoring of family links	X		100%
Red Cross messages (Good Health) and search requests.	X		100%

Progress against results**Deployment of volunteers specializing in the search for and restoring of family links**

Through its network, Cuban Red Cross has established 168 offices at the municipal level, 15 at the province level, and 1 at headquarters to support the search for and restoring of family links with approximately 1,161 volunteers.

Red Cross messages (Good Health) and search requests

The CRC volunteers have facilitated the exchange of over 500 good health messages among the protected population in the affected areas.

National Society Capacity Building

Output 5: The Cuban Red Cross' capacity to respond to emergency operations is strengthened.	Outcome	% achieved
	Output 5.1 The National Society identifies areas to strengthen based on a plan of action to enhance its emergency response capacity	

	Output 5.2 The operational and relief teams are equipped and trained to provide support authorities in preparedness and relief efforts		0%
Activities	Implementation on time?		% of progress
	Si	No	
Well Prepared National Society workshop +	X		0%
Strengthening information management	X		0%
Implementation of Well Prepared National Society Action Plan	X		0%
Updating of contingency and response plans	X		0%
Distribution of household urban and rural response guides.	X		0%
Printing of climate phenomena preparedness materials	X		0%
OCAC workshop (organizational capacity assessment)	X		0%
BOCA workshop in 7 provinces (organizational capacity assessment at the province level)	X		0%
National Intervention Team course at the national level	X		0%
Emergency Operations Centre Course	X		0%
Inter-GEOS meeting	X		0%
Strengthening Operations Centres at the province and municipal level	X		0%
Purchase of protection and visibility materials for volunteers at the province and municipal level.	X		0%
Purchase of equipment for Specialized Operations and Relief Groups	X		0%
Purchase of field tents for deployed teams.	X		0%
Progress against results			
<i>These activities will be carried out during the recovery phase, and will depend on the funds raised by the Emergency Appeal.</i>			

Quality programming / Areas common to all sectors

Output 6: An effective response to the disaster is ensured.	Outcome		% achieved
	Outcome 6.1 Continuous and detailed assessment and analysis is used to inform the design and implementation of the operation		30%
	Outcome 6.2 Mechanisms to facilitate two-way communications and ensure transparency and accountability to people affected by the disaster are established		8%
Activities	Implementation on time?		% of progress
	Si	No	
Deployment of National Society volunteers and staff for initial rapid assessments	X		100%
Detailed damage assessment	X		75%
Development of Plan of Action	X		100%
Purchase of four-wheel drive vehicles for the operation	X		0%
Purchase of motorcycles	X		0%
Purchase of 5-ton cargo transport	X		0%

Coordination with local authorities	X		8.33%
Monitoring visits by CRC	X		8.33%
Monitoring visits by IFRC	X		8.33%
Lessons learned workshop and operation evaluation	X		0%
Provide adequate, relevant and useful information to communities regarding CRC actions, through different platforms	X		8.33%
Support CRC communications actions to provide visibility to the operation's actions	X		8.33%

Progress against results

Deployment of National Society volunteers and staff for initial rapid assessments

12,182 Cuban Red Cross volunteers were deployed to support response efforts to Hurricane Irma. Volunteers assisted with assessments, and supported prevention, response and recovery efforts in coordination with authorities. Volunteers were deployed to relief operations, RFL offices, amateur radio operators and to collective centres in 15 provinces.

Detailed damage assessment

- Affected housing: 158,000 (14,657 totally damaged and 16,646 partially damaged; 23,560 lost their roofs entirely and 103, 691 suffered partial damage to roofs.
- National power grid: 2 high voltage towers, 3,661 posts, 2,175 kilometres of lines, 1,379 transformers, 1,300 kilometres of connections and 10 substations suffered total damages.
- Communications: Telephone system: 246,707 fixed telephony services interrupted as well as 1,471 data services.
- Roads: approximately 537 kilometres damaged. The greatest impact occurred in "piedraplenes" located in Santa Maria and Coco Cays tourist resorts.
- Health: 980 damaged health institutions
- Agriculture: 466 poultry farms; 95,000 hectares of various crops, mainly plantain.
- Sugar producing sector: 338,000 hectares of sugarcane plantations affected, mainly in Camagüey, Ciego de Ávila, Villa Clara and Matanzas.
- Tourism: mainly the cays to the north of Villa Clara and Ciego de Avila.
- Hydrology: Reservoirs have accumulated 6,302 million cubic metres, which is 68.4 per cent their total capacity.

Work continues with the drafting of damage assessment reports under the guidance of ONEI. In addition, the Environmental Agency is conducting post-disaster environmental impact assessments. (Preliminary data was provided by the National Statistics and Information Bureau (ONEI), and taken from the daily reports submitted to the National Defence Council by the three Strategic Region heads) Source: Granma digital newspaper of 29 September 2017.

Development of Plan of Action

A Plan of Action to respond to Hurricane Irma was drawn up in coordination with IFRC and published on September 28, 2017.

Purchase of four-wheel drive vehicles for the operation

This activity has not begun.

Purchase of motorcycles

This activity has not begun.

Purchase of 5-ton cargo transport

This activity has not begun.

Coordination with local authorities

Cuban Red Cross had been holding coordination meetings with local, municipal, province and national authorities since the days leading up to the hurricane's impact in order to achieve a coordinated response. This activity will continue until Plan of Action activities end.

Monitoring visits by CRC

This activity has not begun

Monitoring visits by IFRC

Days prior to the hurricane's impact, the communications manager was deployed from the Americas Regional Office to support Cuban Red Cross, who assisted in the coordination of actions from CRC Headquarters. Likewise, the Head of Country Cluster office (based in Port-au-Prince, Haiti) and the Regional Disaster Management Coordinator were also deployed a few days later to help draft the Plan of Action and support the Cuban Red Cross.

Lessons learned workshop and operation evaluation

This activity has not begun.

Provide adequate, relevant and useful information to communities regarding CRC actions, through different platforms.

Local committees in these provinces' municipalities are providing general information to formal community leaders in coordination with local governments

Support CRC communications actions to provide visibility to the operation's actions

CRC has issued press releases and participated in radio shows to provide visibility since the operation began. This has been done over local and national media.

Contact Information

For further information, specifically related to this operation please contact:

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