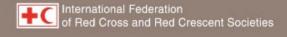


Mozambique: Floods EAP Final report



Early Action Protocol (EAP) Number: EAP2020MZ02	Date of EAP activation:			
	January and May 2022			
Early Action Timeframe: 12/November/2020 to 11/November/2025	Early Action Protocol Approved: 12/November/2020			
Number of people at risk: 4,315,505	Number of people reached: 11650 total (8067 female and 3583 male)			
Budget: 231,093.00 Swiss Franc Date of publication: 28/September/2022				
Red Cross Red Crescent Movement partners currently actively involved in the operation: International Federation of				

Red Cross Red Crescent Movement partners currently actively involved in the operation: International Federation of Red Cross (IFRC), Mozambique Red Cross (CVM), German Red Cross (GRC)

Other partner organizations actively involved in the operation: National Disaster Management Institute (INGD), National institute of Meteorology (INAM) and, National Directorate for Water Resources Management (DNGRH)

Within the purview of the Forecast based Actions (FbA) Fund Project Funding Agreement (PFA) signed between IFRC, CVM, and GRC; IFRC made available CHF 231,093 to CVM and GRC to implement flood early actions- the 'Project'. The total funding comprised of CHF 105,388 for trigger based early actions; CHF 74,604 for prepositioning of Non-Food Items (NFIs), and CHF 51,101 for readiness. Within the tripartite PFA, CVM and GRC have shared responsibilities of the project, which is also evident in the way EAP budget is formulated.

A. SITUATION ANALYSIS

Context- The EAP for Floods

The Floods EAP was developed by CVM and key Mozambican partner institutions, with technical and financial support from GRC. The EAP aims at reaching up to 1.500 households (7.500 people) selected based on vulnerability criteria and in anticipation of forecasted floods, through pre-agreed early actions. Early actions include: (i) early warning dissemination and awareness raising (radio, TV, megaphone); (ii) activation of volunteers, communication lines (Provincial Secretary, volunteer focal points, heads of provincial and district committees); (iii) distribution of mosquito nets and chlorine, buckets, and mugs; (iv) distribution of means for protection of documents. Through these anticipatory humanitarian action, CVM and partners aim at reducing the humanitarian impact of floods in Mozambique.

The high vulnerability to flooding in Mozambique is associated with its geographical location- situated downstream of nine major river basins on the south-eastern African continent and its unique north-south stretched coastline. Floods in Mozambique are also caused by tropical depressions, storms, and cyclones (triggering heavy localized rainfall) as well as prolonged rains during the rainy season (October to April), which increase the levels of the river basins and subsequent discharges downstream. The country has different geographical characteristics from north to south, which also influence how a particular basin behaves in terms of discharge, water levels, and associated floods. So as far as

flooding over time is concerned, the southern and central part of the country is where floods have occurred most frequently.

The flood EAP can, in principle, be implemented nationwide. However, the current EAP considers activation in 4 basins (Licungo, Zambéze, Búzi and Limpopo). Taking into consideration the physical context, logistics, and the capacity of the NS, an activation will at a maximum involve three districts and target 1.500 households (7.500 people).

The Floods EAP in Mozambique's Disaster Response Management (DRM) System

Since its finalization and final approval by the IFRC Validation Committee, CVM and GRC worked towards the progressive integration of the tool into the DRM landscape of Mozambique with its main partners DNGRH and INGC, in strong partnership with the wider Humanitarian Country Team (HCT). CVM, just briefly after the formal approval of the EAP, was involved in a large-scale humanitarian operation, which delayed the progress around the PFA- especially the readiness activities and the stock pre-positioning were delayed.

B. OPERATIONAL STRATEGY

Timeline of EAP Approval Process

The EAP was approved by the IFRC Validation Committee on 12th November 2020. The total budget as agreed in the PFA is presented in the table below:

Activity		Mozambique Red Cross Society	German Red Cross	TOTAL
Readiness	CHF	38, 630	12,471	51,101
Pre-Position Stock	CHF	34,793	39,811	74,604
Early Action	CHF	58,754	46,633	105,388
TOTAL	CHF	132,178	98,915	231,093

The PFA foresaw a shared responsibility of CVM and GRC in implementing the EAP with CVM's focus on frontline implementation whereas GRC's role in supporting CVM with technical capacity, procurement and pre-positioning, and quality enhancement. GRC also committed to make funds available in country to support CVM to carryout trigger-based actions, should there be delays in funds arriving in country from Geneva. Regarding the fund flow, funding is made available to CVM either directly from IFRC Geneva or through GRC HQ.

Readiness

Readiness includes all preparatory activities implemented to ensure readiness of CVM to implement flood early actions. It is about making sure the availability of materials and human resources for implementation of trigger-based actions. CVM, with GRC's support, carried out dissemination of EAP, capacity building trainings, flood risk mapping, and Simulation (SimEx). The Simex was carried out in the districts where the seasonal forecast indicated a greater probability of floods.

Dissemination of EAP

During the first year, dissemination of the flood EAP was carried out in communities of Guijá and Chibuto districts (Gaza Province). The purpose was to raise awareness and strengthen capacities of CVM, Government partners, and community leaders.

Community level dissemination (in Guijá and Chibuto)— One-day community level EAP dissemination sessions were organized in October 23 with 33 participants (13 CVM volunteers, 13 CLGRDs (local committees of disaster risk management), 2 community leaders, 3 facilitators).

- Voluntary and CLGRC committees in the districts of Guijá and Chibuto were trained on anticipatory actions and prepared to act in the event of an activation;
- The key actors (district government, CVM volunteers and CLGRDs) and stakeholders (INGD and IFRC) in Guijá
 and Chibuto districts were trained on roles and responsibilities for the different steps as outlined in the EAP;
- Key actors were trained on the FbF- including actions, thresholds, funding;
- Mapped flood risk areas in Caniçado in Guijá as well as in the administrative post of Chaimite in Chibut;.
- Registration of 500 potential beneficiaries in risk zones.

Pre-agreement with service providers

Key service providers were mapped for a pre-agreement, which included:

- 17 transport providers, 06 Gasoline companies, 09 hotels in Guijá and Chibuto districts
- Two community radios in the districts of Guijá and Chibuto for dissemination of flood early warning.

Standard Operating Procedures (SOP) development

Simulations and activations in the past pointed towards some confusion on the roles and responsibilities during an activation. Hence, GRC supported CVM to formulate and formalize SOPs, which would facilitate role clarity and better coordination of actions. The SOPs have been formulated and awaiting approval from the CVM management.

Simulation (Simex)

CVM, together with the IFRC, GRC, and other partners organized a simulation of flood EAP in the district of Guijá. The Simex was organized during 26-29, October 2021 and considered all aspects of a possible activation (flood or cyclone), for all parties (CVM, GRC, IFRC). The objective of the simulation exercise was also to ensure institutional readiness before the start of the 2021-2022 rainy season, involving key staff members from central, provincial and district levels of the CVM and government partners in a flood scenario in the Limpopo basin, specifically in the district of Guijá. The Simex was reported as very interesting at CVM, where Senior Management was present to monitor in site. CVM participants also acknowledged the possibility of mobilizing different financial instruments like DREF, crisis modifier and/or Appeal seamlessly before, during, and after the hazard.



A total of 500 households (2,500 beneficiaries) were reached through the Simex. Participating beneficiaries received water and sanitation kits, mosquito nets, means for document protection. The Simex was also an opportunity to train focal points at the CVM headquarters, the Provincial Delegation of Gaza, as well as the district commission of Guijá on operationalization of the flood EAP.



Picture 1: Activation of GODE



Picture 2: First meeting on activation after receiving DNGRH forecast



Picture 3: Field preparations for simulation

Required arrangements were made to ensure social distancing and taking into account the needs of priority groups such as the elderly, people with disabilities and pregnant women.





Picture 4 and 5: Search and rescue operation in the Caniçado neighborhoood

Procurement and Pre-positioning

While awaiting the final signing of the Project Fund Agreement and the transfer of the funding, CVM initiated the procurement process for the agreed Non-Food Items (NFIs). The procurement of NFIs was done together with GRC, which was also practical rather than CVM and GRC pursuing two procurement processes. An advert inviting bids was placed in the National newspaper on the 8th of September. Five (5) bids were received, analyzed and the procurement awarded to 'LifePharma, Lda' for the delivery of the NFIs on 26 December. An additional contract was signed for

packing of the kits (all original documentation of the procurement process is annexed to this narrative and financial report).

The following items and quantities were procured and pre-positioned in CVM's warehouse in Chibuto:

No	Item	Unit	Qty
	Description		
1	Water purifier 150ml		3000
2	Rectangular and impregnated mosquito nets	un	3000
3	Mainato soap (Bingo) context covid 19	un	3000
4	2 Litre plastic mugs	un	3000
5	20 litre plastic buckets with lid	un	3000
6	Plastic bag with zip to protect documents	un	3000
7	Kitting up (2 mosquito nets + 2 Soap + 1 plastic mug +2 buckets + 1	un	1500
	plastic bag with zip	un	1300
8	Multifunctional megaphones	un	15
9	Alkaline batteries (Panasonic brand)	un	1440
10	Whistles	un	50
	Visibility materials and protection for CVM staff and volunteers		
1	Pairs of overshoes for staff and volunteers	pair	500
2	Raincoats for volunteers (pants and coat) with quality	un	500
3	T-shirts with CVM/FbF logo	un	500
4	Cap with CVM/FbF logo	un	500

These activities were funded by the EAP funds made available for the pre-positioning of stock budget allocated to CVM and received as part of the first transfer in year one of the PFA: Total CHF 34,793,00.





Picture 6 and 7: NFI kit preparation for stocking

Early Actions

Mozambique was hit by 2 tropical cyclones (Ana on 24 January, and Gombe on 11 March which reached the stage of tropical cyclone category 4). These cyclones claimed 101 lives, injured 315 people, and damaged more than 153,000 houses. The cyclones hit the central and northern part of Mozambique, and particularly provinces of Zambezia, Sofala, Nampula and Cabo Delgado were affected.

Activation of flood EAP (in January)

During the passage of tropical storm Ana, it brought heavy rains (>100 mm/24h) leading to increased water level in many river basins. Of particular concern was the Licungo river, where the river level reached the EAP trigger- 8.34m at E-91 station. Therefore, the Mozambique Red Cross (CVM), in January 25, 2022, activated the flood early action

protocol in Mocuba district to benefit four at-risk communities along the Lincungo basin (Sacra, Samora Machel, CFM and Baixo Lugela). Refer to the timeline for chronological order of activities.

In this operation, CVM mobilized 20 staff members from the National Headquarters (General Secretary, Programme Director, Disaster Manager, FbF Manager, Finance Director, Human Resources Director, Information Director, EAP Flood Manager, EAP Drought Manager, Information and Communication Technician, Logistic and Health National Manager), Provincial Delegation, and local offices (Provincial President and General President of CVM, Provincial Secretary, Heath Technician, Logistic Technician, District Health Technician) and other partners of cooperation namely INGD and IFRC.

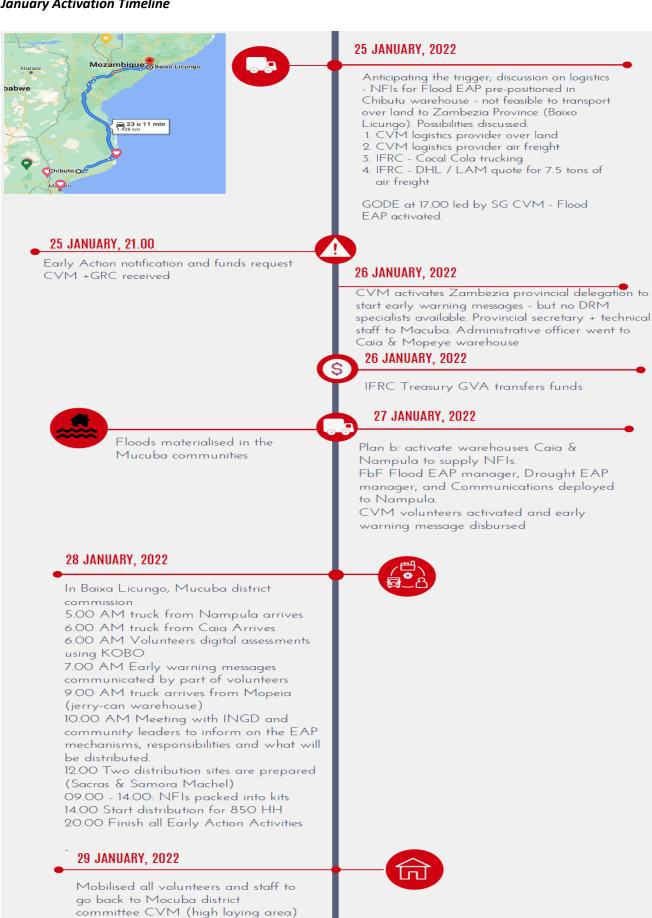
Altogether, 50 volunteers were mobilized, out of which 30 were involved in early warning dissemination and in preparation of NFIs kits and the other 20 volunteers were engaged in beneficiary data collection using the KOBO platform. Out of the initially listed 1500 families, CVM assisted 853 families with the anticipatory action.





Picture 8 and 9: Preparation for NFI distribution during activation

January Activation Timeline



01 FEBRUARY, 2022

Team deploys back to Maputo

Public

Re-activation of flood EAP (in March)

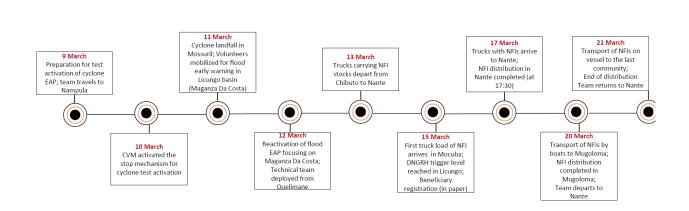
The second activation (re-activation) was triggered by cyclone Gombe (in March) which hit the Central and Northern part of Mozambique, with heavy rains (>100mm/24h) raising the flow of the Licungo, Zambézi, Búzi and Save basins. The trigger for EAP for floods were reached (8.34m in the E-91 station) at Licungo basin with the flood peak of 8.40m. Upon reaching the trigger, the flood EAP was re-activated on 12 March. *Refer to the timeline for chronological order of activities*

The re-activation reached 1,477 families in three communities (Nate sede, Mugoloma e Mamiua) in the district of Maganja da Costa, administrative post of Nante (Zambézi province). For this activation, CVM mobilized 115 volunteers, 4 technicians from CVM HQ (EAP Droughts Manager, PMER, WASH Technician and Information Officer) and Provincial Delegation (Provincial Secretary, Provincial Administrator, Provincial Healthy Technician, Disaster Risk Reduction Technician, Provincial President, and General President of CVM) and other partners including INGD, UNAPROC, IFRC.



Picture 10 and 11: Distribution of NFIs in Maganja Da Costa district, during March re-activation

March activation (re-activation) timeline



Lesson

Learned Workshop

CVM organized a Lessons Learned Workshop (LLW) on 26 May to reflect on the flood early actions implemented in January and March 2022. The LLW brought 40 participants from CVM (national headquarters and provinces); representatives from relevant Government organizations including the National Meteorology Institute (INAM), National Directorate of Water Resource Management (DNGRH), and National Disaster Management Institute (INGD); IFRC, relevant Partner National Societies (PNSs), and University of Eduardo Mondlane (UEM). The one-day workshop

reflected into the timeline of EAP activation and dissected other aspects of activation like logistics management, field operation and coordination, volunteer mobilization, and national society capacities for FbF. The findings of the lessons learned workshop will feed into and contribute to the flood EAP revision process.



Picture 12 and 13: post-activation lessons learned workshop

Outcome evaluation

The post-activation outcome evaluation is being currently undertaken by the University of Eduardo Mondlane (UEM). UEM is a member of the consortium on Academic Alliance on Anticipatory Action¹, as a part of the consortium's support on research and evidence building for anticipatory actions. The field data collection has been completed and report awaited.

¹ The <u>Academic Alliance for Anticipatory Action</u> (4As) consortium is led by Tufts University in the US, partnering with Makerere University in Uganda, the National University of Lesotho, the University of the Philippines, Bangladesh University of Engineering and Technology, the University of Namibia, and Eduardo Mondlane University in Mozambique.

C. DETAILED OPERATIONAL PLAN

Overall objective: To reduce the impact of floods in the riverine communities and to assist in preventing consequent waterborne sicknesses due to destruction and/or pollution of water sources.



Health

People reached: 11,650

Male: 3,583 Female: 8,067

Health Outcome 1: Vulnerable people's health and dignity are improved through increased access to appropriate health services.

Output 1.1: Communities are supported by NS to effectively respond to health and psychosocial needs during an emergency		
Indicators:	Target	Actual

Number of mosquito nets delivered in coastal communities

P&B Output	Activities planned		
Code			
AP011	Distribution of Mosquito nets	1,500 HH	2,330 HH
Narrative description of achievements			
People in the communities used this non-food items to protect their children and themselves against the mosquitos to prevent malaria			



Water, sanitation and hygiene

People reached: 11650

Male: 3583 Female: 8067

WASH Outcome 1: Vulnerable people have increased access to appropriate and sustainable water, sanitation and hygiene services

Output 1.1: Communities are provided with improved access to safe water.		
Indicators: Number of WASH products distributed to each community & red cross volunteers trained	Target	Actual
Communities are provided by NS with improved access to safe water		

P&B Output	Activities planned			
Code				
AP026	Distribution of water purifier (Certeza)	1,500 HH	2,330 HH	
AP026	Distribution of mugs/cups	1,500 HH	2,330 HH	
AP026	Distribution of buckets with lid	1,500 HH	2,330 HH	
Narrative description of achievements				
The communit	The communities used this non-food items to store water and purified it with certeza before and during the floods			



Disaster Risk Reduction

People reached: 11650

Male: 3083 Female: 8067

DRR Outcome 1: Communities in high-risk areas are prepared for and able to respond to disasters

Output 1.1: Communities take active steps to strengthen their preparedness for timely and effective response to disasters.

Indicators: CV	M is able to conduct early actions before the flood occurs	Target	Actual
P&B Output	Activities planned		
Code	Readiness activities		
AP001	Mapping of risk communities	5 trips	5
AP001	Identification of evacuation routes	5 trips	5
AP001	Identification of community radios	8 trips	8
AP001	Pre-agreements, community radios	8 trips	8
AP001	Workshops w. community radios	16 workshops	16
AP001	Development of messages	32 un	6
AP001	Production of pamphlets	2,500 un	2,500
	Pre-positioning activities		
AP001	Procurement, vacuum plastic bags	1,500 un	1,500
AP001	Procurement, Megaphones	16 un	16
AP001	Procurement, Batteries	60 un	60
AP001	Procurement, Whistles	50 un	50
AP001	Transport of NFI to regional warehouses + to community distribution points	6 trips	6
	Early action activities		

AP001	Dissemination of hazard warnings	60 Un	60
AP001	Activation of volunteers and CLGRCs	160	165
AP001	Rent, trucks and boats, to transport NFI	32 days	32
AP001	Rent, trucks and boats, transport people	48 days	48
AP001	Transport, to-from communities	32 trips	32
AP001	Fuel	6,000 Litres	6,000
AP001	Credits for phones and internet	40 lumpsum	40
AP001	Production of photos and film	1 lumpsum	1
AP001	Information materials to gen. public	3 lumpsum	3
Narrative description of achievements			
Narrative d			

	Strategies for Implementation					
Outcome 1: T	ne National Society and key actors are well prepared to implement the EAP					
Output 1.1: N	S capacity to support community-based disaster risk reduction, response and preparedness is strengthened					
Indicators: Re	lationships with provincial/district stakeholders is increased. NS volunteers' knowledge & visibility awareness are impr	roved				
P&B Output	Activities planned					
Code	Readiness activities					
AP038	Workshops and simulations, local authorities.	5 workshops	5			
AP040	Training of volunteers and GLGRCs	5 workshops	5			
AP042	Verification of contact lists for key persons at province, district and community levels	5 years	5			
AP042	Training of CVM warehouse staff	5 workshops	5			
AP042	Elabora. of Pre-agreements, petrol stations at provincial & district levels	40 agreements	0			
AP042	AP042 Elabora. of Pre-agreements, transport companies at provincial and district levels 40 agreements 0					
AP046	Salary contribution subsidy, two DM staff, CVM HQ (DM officer; 15000mtx4month/year. FbF/EWEA officer; 11667x6month/year)	5 years	5			

AP055	IFRC Technical Field Monitoring Mission	1	1
	Pre-positioning activities		
AP040	Protection kit (boots & Raincoats)	500 un	500
AP040	CVM Bibs	300 un	300
AP040	T-shirts	500 un	500
AP040	Caps	500 un	500
	Early action activities		
AP040	Subsidies, volunteers' activation	200	165
AP055	Transport for monitoring team	4 persons	4
AP055	Accommodation of monitoring team	16 days	16
AP055	Per diem, monitoring team	16 days	16
AP055	Daily transport to intervention areas.	4 lumpsum	4
AP055	Introduction and Training workshop	2 units	2
AP055	Consultant, Monitoring	15 days	15
AP055	General lessons learned workshop	1 un	1
AP055	Trigger, lessons learned workshop	1 un	1

Narrative description of achievements

The CVM implemented actions in the communities to reduce the impacts of extreme weather events though anticipatory actions, dissemination and simulations cared out in order to make the communities resilient.

CEA has been integrated in the work of the National Society to ensure that beneficiaries do have information about the programme and all its process regarding the distribution of relief items. During the volunteers and community members training in Guijá and Chibuto districts (Gaza province) translation into local language (Changana) was ensured by a volunteer or community member to make sure all the delivered modules were comprehensive.

IFRC will continue supporting the NS to further strengthen the mainstreaming of CEA. Early Action messages were released in local language (Emacua, Chuabo, and Portuguese) according to the province or district where they have been released.

A study for monitoring the distributions and gather the community perceptions regarding the quality of the distribution process is still being finalized by partner from Universidade Eduardo Mondlane (UEM), and final report will be shared in January.

National society staff has been provided with technical improvements on managing warehouse

FBAF Early Actions FINAL FINANCIAL REPORT

Selected Parameters				
Reporting Timeframe	2022/1-5	Operation	PMZ064	
Budget Timeframe	2022	Budget	APPROVED	

Prepared on 18/Jan/2023 All figures are in Swiss Francs (CHF)

MDRMZ018 - Mozambique - Floods / EAP2020MZ02fr

Early Actions Timeframe: 26 Jan 2022 to 31 May 2022

I. Summary

Opening Balance	0
Funds & Other Income	112,238
FBAF Allocations	112,238
Expenditure	-112,237
Closing Balance	1

II. Expenditure by area of focus / strategies for implementation

Description	Budget	Expenditure	Variance
AOF1 - Disaster risk reduction	93,795	112,237	-18,442
AOF2 - Shelter			0
AOF3 - Livelihoods and basic needs			0
AOF4 - Health			0
AOF5 - Water, sanitation and hygiene			0
AOF6 - Protection, Gender & Inclusion			0
AOF7 - Migration			0
Area of focus Total	93,795	112,237	-18,442
SFI1 - Strenghten National Societies	3,212		3,212
SFI2 - Effective international disaster management			0
SFI3 - Influence others as leading strategic partners	15,231		15,231
SFI4 - Ensure a strong IFRC			0
Strategy for implementation Total	18,443		18,443
Grand Total	112,238	112,237	1



FBAF Early Actions
FINAL FINANCIAL REPORT

 Selected Parameters

 Reporting Timeframe
 2022/1-5
 Operation
 PMZ064

 Budget Timeframe
 2022
 Budget
 APPROVED

Prepared on 18/Jan/2023

All figures are in Swiss Francs (CHF)

MDRMZ018 - Mozambique - Floods / EAP2020MZ02fr

Early Actions Timeframe: 26 Jan 2022 to 31 May 2022

III. Expenditure by budget category & group

Description	Budget	Expenditure	Variance
Relief items, Construction, Supplies	679		679
Clothing & Textiles	679		679
Logistics, Transport & Storage	6,334		6,334
Transport & Vehicles Costs	6,334		6,334
Personnel	3,016		3,016
Volunteers	3,016		3,016
Consultants & Professional Fees	6,786		6,786
Consultants	6,786		6,786
Workshops & Training	3,619		3,619
Workshops & Training	3,619		3,619
General Expenditure	84,955		84,955
Travel	77,837		77,837
Information & Public Relations	2,564		2,564
Communications	4,554		4,554
Contributions & Transfers		46,633	-46,633
Cash Transfers National Societies		46,633	-46,633
Operational Provisions		58,754	-58,754
Operational Provisions		58,754	-58,754
Indirect Costs	6,850	6,850	0
Programme & Services Support Recover	6,850	6,850	0
Grand Total	112,238	112,237	1



Reference documents

For a more comprehensive description of activities see the Early Action Protocol summary (Mozambique - Tropical Storm Chalane)

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

In the Mozambique National Society (CVM)

- Secretary General
 Maria Cristina Uamusse, cristina.uamusse@redcross.org.mz
- Operational coordination
- Ilídio Nhatuve, Programe Director, ilidio.nhatuve@redcross.org.mz; +258 841617000

In the IFRC

- IFRC Regional Office:
 Phoebe Shikuku, DRR & FbF Advisor, phoebe.shikuku@ifrc.org
- IFRC Country Cluster Support Team:
 Jurg Willbrink, DRR & FbF Adviser, jurg.WILBRINK@ifrc.org
- IFRC Country Office:

 Naemi Heita, Head of Country Cluster Delegation,
 naemi.heita@ifrc.org.

In IFRC Geneva

Programme and Operations focal point:
 Nazira Lacayo, Senior Officer DREF/FBA, nazira.lacayo@ifrc.org