

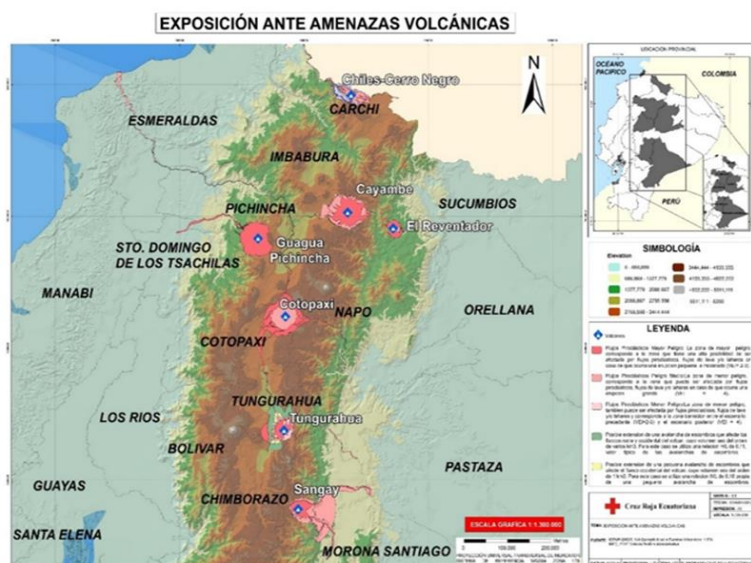


Livelihood protection toolkit delivered by Ecuadorian Red Cross volunteer. Cebada Community, Guamote Canton, Chimborazo Province. September 2020, Initial activation of the Volcanic Ash EAP. Source: Ecuadorian Red Cross.

EAP No: EAP2023EC03	Operation No: MDREC024	Period covered by this annual report: 09/10/2023 to 31/12/2024
EAP approved: 29/09/2023	EAP timeframe: 5 Years	

Annual Budget: 241,983 CHF
EAP Budget: 460,521 CHF

SUMMARY OF THE EARLY ACTION PROTOCOL



The IFRC Disaster Response Emergency Fund (DREF) has allocated CHF 460,521 for the implementation of anticipatory actions to reduce and mitigate the impact of the Dispersion and Fall of Volcanic Ash in Ecuador. This allocation is divided into: CHF 296,404 for annual readiness activities and prepositioning supplies, and CHF 164,117 for early actions that will be implemented only if the triggers established are met. The early actions to be conducted have been pre-agreed with the National Society and are described in the [Early Action Protocol summary](#).

This report summarizes the annual readiness and prepositioning activities implemented in year 1 covering the period: **09/10/2023 to 31/12/2024**. The report also includes any changes or updates done to the initially agreed plan.

Summary

During the first year of implementation of the Volcanic Ash EAP, the Ecuadorian Red Cross, in close coordination with the IFRC, successfully prepositioned essential items in strategic warehouses located at the National Headquarters and in Zone 1 (Esmeraldas, Carchi, Imbabura y Sucumbíos). This included the prepositioning of 2,070 tarpaulins and 2,000 toolkits for livelihoods protection, along with 878 toolkits for the protection of water sources, and 4,170 10-liter jerrycans to guarantee access to safe water at the household level.

In response to the flooding and oil spill emergencies that occurred between February and April 2024, a portion of these prepositioned supplies was deployed to coastal provinces, enabling a swift and effective humanitarian response. In total, 2,000 tarpaulins, 1,540 toolkits, and 4,170 jerrycans were distributed to affected communities. Replenishment of these items is currently underway through the Emergency Appeal (MDREC027: Ecuador – Floods).

Institutional capacities were further strengthened through the National Meeting of Provincial Risk Management Coordinators held in January 2025, which served as a key platform to disseminate the EAP, outline its scope and proposed actions, and foster coordination with national and local stakeholders.

Despite these achievements, the implementation schedule required adjustments due to multiple overlapping emergencies, including severe and seasonal flooding and drought-induced water shortages, that affected several regions of the country.

SUMMARY OF ANNUAL PROGRESS BY PLANNED OPERATION

 Livelihoods	CHF preposition budget:	CHF preposition actual:
	117,912 (IFRC) 2330 (ERC)	2410 (ERC) 117,912 (IFRC)
	CHF readiness budget:	CHF readiness actual:
	13,180 (ERC)	-

Narrative description of plan vs achievements

As part of the prepositioning actions under Livelihoods, the National Society, in coordination with the IFRC, oversaw the strategic placement of essential materials in the warehouses of the National Headquarters and Zone 1 (Esmeraldas, Carchi, Imbabura y Sucumbíos). The procurement of the supplies was carried out by the IFRC Logistics and Procurement Unit, while the overall management and delivery to the target areas were led by the Ecuadorian Red Cross.

The following items were acquired and prepositioned:

- **2,000 tarpaulins**
- **2,000 toolkits for livelihoods protection**

A portion of these prepositioned supplies, originally designated for anticipatory actions related to volcanic ashfall, was reassigned to support immediate response efforts addressing the severe floods that impacted various coastal provinces during the rainy season, as well as the oil spill in Esmeraldas province. The availability of these resources facilitated a swift intervention between February and April 2024. In total, the following items were distributed to affected communities:

- **2,000 plastic tarpaulins**
- **1,540 toolkits**

These supplies are currently undergoing replenishment as part of the Emergency Appeal (MDREC027: Ecuador - Floods) activities aimed at supporting the affected populations.

1. Supplies delivered as part of the response to the rainy season (February – April 2024)

Province	Tool kits	Tarpaulins
Manabí	300	600
Guayas	550	1,100
El Oro	150	300
Santa Elena	60	0
Loja	150	0
Los Ríos	100	0
Bolívar	100	0
Esmeraldas	130	0
TOTAL	1,540	2,000

Activities to be coordinated and implemented:

- **Capacity strengthening of the National Society**, through training sessions for volunteers on livelihoods and cash and voucher assistance (CVA). These sessions will be held in August 2025 and will include the participation of volunteers from provinces historically affected by ashfall and dispersion from the following volcanoes: Tungurahua, Cotopaxi and Guagua Pichincha (very high threat); Reventador, Cayambe and Sangay (high threat); and Chiles and Cerro Negro (areas with seismic activity, deformation, and active hot springs).
- **Development of community preparedness and awareness activities on livelihoods and CVA.** As part of the volunteer training process at the provincial level, a roadmap will be developed to guide the coordination and implementation of prevention and awareness activities at the community level. These activities are scheduled to take place between August and October 2025.

 Multi-purpose Cash	CHF preposition budget:	CHF preposition actual:
	-	-
	CHF readiness budget:	CHF readiness actual:
	-	-

Narrative description of plan vs achievements

The preparatory and readiness actions proposed within this line of intervention will be coordinated and executed from August to October 2025, including a market study and an analysis of the economic support mechanism.

This operational area is funded during the activation phase of the EAP for the following actions:

- **Deployment of MPC equipment** to designated sectors for training families in the use of MPC.
- **Registration and distribution of MPC** to families in situations of heightened vulnerability (USD 220 per family for 500 families).
- **Evaluation of the intervention** to assess its effectiveness and impact.

 Health & Care	CHF preposition budget:	CHF preposition actual:
	26,500 ERC	To be implemented (with a pledged budget to buy items of 26,500)
	CHF readiness budget:	CHF readiness actual:
	11,300 ERC	-

Narrative description of plan vs achievements

The activities under this line of operation will be coordinated with the Geophysical Institute of the National Polytechnic School (IGEPN) and are scheduled to begin in June, with the participation of volunteers from the Provincial Branches and members of communities located in areas historically affected by the fall and dispersion of volcanic ash. These include regions surrounding the volcanoes Tungurahua, Cotopaxi, and Guagua Pichincha (classified as very high threat), as well as Reventador, Cayambe, and Sangay (high threat).

Additionally, the Chiles–Cerro Negro volcanic system has been included in this Early Action Plan. Although it is not currently active like Pichincha, Tungurahua, or Sangay, it is considered a long-rest volcanic system (approximately 6,000 years for Cerro Negro and 15,000 years for Chiles). In recent years, seismic activity in this area has increased significantly, particularly between 2013 and 2016. A seismic swarm detected in 2014 reached a maximum intensity of 5.6 to 5.8 on the Richter scale. The threat classification for volcanoes in Ecuador is based on activity over the past 10,000–12,000 years and historical eruptions recorded over the past 500 years. While no recent eruptions or direct impacts on the population have been recorded in Chiles and Cerro Negro, scientific evidence suggests they could cause damage equal to or greater than volcanoes with frequent eruptive activity. Recent monitoring has documented significant seismic activity, ground deformation, and increased activity in thermal springs.

Planned activities:

April–May (with pledged budget)

- Procurement of 2,000 health protection kits, each containing: 5 N95 masks (2 for adults, 3 for children) and 5 pairs of protective goggles (2 for adults, 3 for children).
- Prepositioning of the health protection kit components in strategic warehouses, ensuring each kit includes 5 N95 masks (2 adult, 3 child) and 5 protective goggles (2 adult, 3 child).

June–July

- Strengthening the capacities of the National Society through training sessions for volunteers on risk management, with a focus on volcanic activity.
- Implementation of community awareness and preparedness activities on health risks related to volcanic ash exposure.
- Development of awareness-raising tools to promote the correct use of the health protection kit.
- Procurement and pre-positioning of educational materials in Provincial Branches on the appropriate use of health protection kits.
- Rollout of awareness sessions on the proper use of distributed materials and individual self-protection measures.

 Water, Sanitation and Hygiene	CHF preposition budget:	CHF preposition actual:
	14,620 (IFRC) 1,000 (ERC)	12,620 (IFRC)
	CHF readiness budget:	CHF readiness actual:
	6,800 (ERC)	-

As part of the prepositioning efforts in the WASH sector, the National Society, in coordination with the IFRC, facilitated the procurement and strategic storage of key supplies in the warehouses of the National Headquarters and Zone 1. The following items were acquired and prepositioned:

- **70 tarpaulins**, for the protection of water supply sources.
- **878 toolkits**, for safeguarding water sources.
- **4,170 10-liter jerrycans**, to ensure access to safe water at the household level.

In response to the emergency triggered by intense rainfall between February and April 2024, which caused widespread flooding, particularly in coastal provinces, and the oil spill in Esmeraldas province, a rapid intervention was carried out to support affected communities. As part of this response, the following items were released from the prepositioned stock:

- **4,170 10-liter jerrycans**

2. Number of 10-liter jerrycans distributed in response to the rainy season emergency

Province	Jerrycans
Manabí	1,960
Guayas	0
El Oro	500
Santa Elena	0
Loja	0
Los Rios	0
Bolívar	0
Esmeraldas	1,710
Total	4,170

These supplies are currently in the process of being replenished and re-prepositioned in the strategic warehouses to restore operational readiness.

Activities to be coordinated and implemented:

- **Capacity strengthening of the National Society** through training sessions for volunteers and technical staff on topics related to safe water supply. These trainings will begin in September and will target volunteers from provinces historically affected by volcanic ash dispersion, including areas surrounding the volcanoes Tungurahua, Cotopaxi, and Guagua Pichincha (very high threat), as well as Reventador, Cayambe, and Sangay (high threat). The Chiles and Cerro Negro volcanic complex is also considered due to ongoing seismic activity, ground deformation, and increased thermal spring activity.
- **Development of awareness tools on safe water practices**, to be implemented in coordination with the Health technical team, starting in May 2025.



**Risk Reduction,
climate
adaptation and
Recovery**

CHF preposition budget:

-

CHF readiness budget:

2,000 ERC

CHF preposition actual:

-

CHF readiness actual:

2,000 ERC

Narrative description of plan vs achievements

The actions within this component will be implemented starting in May, including the updating, design, and printing of preparedness materials (informative banners, brochures, posters, among others) for community dissemination. In July, awareness materials will be distributed to the National Society's strategic warehouses.

Enabling approaches

 National Society Strengthening	CHF preposition budget:	CHF preposition actual:
	CHF4,200	-
	CHF readiness budget:	CHF readiness actual:
	CHF 58,796.92 (ERC)	1,338.14 (ERC)

Narrative description of plan vs achievements

Part of the budget allocated for community sensitization materials and activities was used to support the National Meeting of Provincial Risk Management Coordinators, held from 24 to 26 January 2025. This event provided a platform to present the Volcanic Ash Early Action Protocol (EAP), including its scope, proposed actions, and coordination mechanisms with other institutions. It also highlighted the importance of implementing anticipatory action mechanisms and Early Action Protocols in Ecuador.

As part of the second year of EAP implementation, the following expenses will be covered under the National Society Strengthening component:

- Salaries for key technical personnel, including the GIS Expert (Monitoring Room), EAP Coordinator, and Accounting Staff.
- Monitoring visits, starting in October 2025, to validate the training and capacity-building processes implemented at the community level.
- Institutional communications, including the development and execution of a communications plan to accompany early action at the community level.

The following activities are planned for the upcoming months:

July–August 2025

- A risk management workshop on volcanic activity, coordinated with the Geophysical Institute (IGEPN) and the National Secretariat for Risk Management.
- Strengthening of the Volcanic Observers Network, coordinated with the IGEPN and directed at volunteers and community leaders in high-risk areas.

October 2025

- In the context of the International Day for Disaster Risk Reduction (13 October), a technical outreach session will be held with branch presidents and volunteers to reinforce institutional knowledge and engagement with early action mechanisms.

November–December 2025

- The annual Pre-Activation technical meetings will take place, bringing together branch presidents, volunteers, Emergency Response Teams (ERRs), and technical staff to review protocols and readiness measures.

CHALLENGES, LESSONS LEARNED, PROPOSED AJUSTMENTS

The implementation of some of the planned actions was rescheduled for May 2025, following a series of emergencies that affected several regions of the country. These included severe flooding caused by extreme rainfall, seasonal flooding during the rainy period, and water shortages resulting from drought conditions.

This experience highlighted the importance of anticipating seasonal and climate-related events during the planning phase, as doing so enables the development of more realistic implementation timelines and contributes to greater operational efficiency and resilience.

As part of the procurement process for protective eyewear intended for populations exposed to volcanic ash fall, and based on technical guidance provided by national specialized institutions, priority was given to the acquisition of swimming goggles for the ocular protection of children. This decision followed a technical recommendation from the Geophysical Institute, based on previous experience and fit considerations, as standard monogoggles do not adequately cover children's faces, allowing ash particles to enter and potentially compromise their vision and health.

FINANCIAL REPORT

A total of CHF 460,521 was allocated from DREF for the implementation of this Early Action Protocol. During the reporting period (Year 1), a total of CHF 215,465 has been spent.

Out of the remaining balance of CHF 245,056 the following is considered in the approved budget:

- CHF 20,315 reserved for readiness activities in Year 2
- CHF 12,114 reserved for readiness activities in Year 3
- CHF 10,836 reserved for readiness activities in Year 4
- CHF 11,156 reserved for readiness activities in Year 5
- CHF 164,117 reserved for early actions, to be implemented only if the trigger is met.

Find the financial report below

Contact information

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

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In the IFRC

- **IFRC Country Cluster Support Team:** Julian Perez, julian.perez@ifrc.org
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Reference



Click here for:

- EAP [Summary](#) and budget

FBAF Early Actions

UPDATE FINANCIAL REPORT

Selected Parameters			
Reporting Timeframe	2023/10-2024/1	Operation	PEC515
Budget Timeframe	2023/10-2028/1	Budget	APPROVED

Prepared on 08/May/2025

All figures are in Swiss Francs (CHF)

MDREC024 - Ecuador - Volcanic Ash / EAP2018BD01

Early Actions Timeframe: 09 oct 2023 to 30 oct 2028

I. Summary

Opening Balance	0
Funds & Other Income	460.521
DREF Anticipatory Pillar	460.521
Expenditure	-215.465
Closing Balance	245.056

II. Expenditure by area of focus / strategies for implementation

Description	Budget	Expenditure	Variance
AOF1 - Disaster risk reduction			0
AOF2 - Shelter		3.954	-3.954
AOF3 - Livelihoods and basic needs	274.687	201.072	73.615
AOF4 - Health	45.582		45.582
AOF5 - Water, sanitation and hygiene	32.184	5.833	26.351
AOF6 - Protection, Gender & Inclusion			0
AOF7 - Migration			0
Area of focus Total	352.453	210.859	141.595
SFI1 - Strengthen National Societies	80.085		80.085
SFI2 - Effective international disaster management			0
SFI3 - Influence others as leading strategic partners			0
SFI4 - Ensure a strong IFRC	27.983	4.607	23.376
Strategy for implementation Total	108.068	4.607	103.461
Grand Total	460.521	215.465	245.056

FBAF Early Actions

UPDATE FINANCIAL REPORT

Selected Parameters			
Reporting Timeframe	2023/10-2024/1	Operation	PEC515
Budget Timeframe	2023/10-2028/1	Budget	APPROVED

Prepared on 08/May/2025

All figures are in Swiss Francs (CHF)

MDREC024 - Ecuador - Volcanic Ash / EAP2018BD01

Early Actions Timeframe: 09 oct 2023 to 30 oct 2028

III. Expenditure by budget category & group

Description	Budget	Expenditure	Variance
Expenditure		104.289	-104.289
Expenditure		104.289	-104.289
Relief items, Construction, Supplies	270.220	3.060	267.160
Shelter - Relief	110.220		110.220
Water, Sanitation & Hygiene	10.400		10.400
Teaching Materials	12.000		12.000
Other Supplies & Services	27.600	3.060	24.540
Cash Disbursement	110.000		110.000
Logistics, Transport & Storage	23.122	4.233	18.889
Storage	2.690	21	2.669
Distribution & Monitoring	12.020		12.020
Transport & Vehicles Costs	3.000		3.000
Logistics Services	5.412	4.212	1.200
Personnel	74.497		74.497
National Staff	10.000		10.000
National Society Staff	50.297		50.297
Volunteers	14.200		14.200
Consultants & Professional Fees	5.000		5.000
Consultants	5.000		5.000
Workshops & Training	27.700		27.700
Workshops & Training	27.700		27.700
General Expenditure	31.875	825	31.050
Travel	13.800	745	13.055
Information & Public Relations	1.500		1.500
Office Costs	1.900		1.900
Communications	3.900	55	3.845
Financial Charges	10.775	25	10.750
Contributions & Transfers		89.907	-89.907
National Society Expenses		89.907	-89.907
Indirect Costs	28.107	13.150	14.956
Programme & Services Support Recover	28.107	13.150	14.956
Grand Total	460.521	215.465	245.056