



# Madagascar Humanitarian Country Team

Office of the United Nations Resident Coordinator in Madagascar



The information contained in this report is based on information currently available. The report is prepared by humanitarian partners on the ground, in close cooperation with the Government.

## Situation Report 3 – MADAGASCAR CYCLONES – 10 MARCH 2008

### CONTEXT

1. Tropical cyclone Ivan struck Madagascar on Sunday 17 February, 2008 at wind speeds of more than 200 km per hour, affecting 14 regions and 44 districts. The regions of Fenerive Est, Sainte-Marie, Soanierana Ivongo, Vavatenina, Amparafaravola, Toamasina II were the most severely affected. According to figures released by the *Bureau National de Gestion des Risques et des Catastrophes (BNGRC)*, the number of deaths caused by Tropical Cyclone Ivan has risen to 93. More than 332,391 have been affected of whom 191,182 are displaced.
2. On 1 March 2008, the UN Country Team of Madagascar, in collaboration with the Malagasy Ministry of Foreign Affairs, launched an appeal to respond to the needs created by the devastating effects of cyclones Fame and Ivan. The international humanitarian community is seeking more than US\$ 30 million to support the Government of Madagascar in providing relief to those who lost their homes, crops and other belongings in two tropical cyclones in less than a month. Immediate needs include: food, medicine, tents, water, water purification kits to prevent the spread of disease, as well as seeds and fertilizer to restore the country's agricultural production.
3. A moderate tropical storm Jokwe entered the bay of Ambodivahibe on Wednesday 5 March 2008 around midnight, before it left for the Mozambique Channel. The storm destroyed 44 houses in the district of Nosy Be, and affected 400 persons. The BNGRC sent 30 tons of rice, 10 tons of vegetables, and PPN for a value of 1 million Ariary for the region of Diana.

### SITUATION OVERVIEW

4. According to BNGRC, 50,948 hectares of ricefields are flooded, of which 15,000 hectares in the region of Alaotra Mangoro, yielding 30% of the national rice production; 14,000 hectares in Mahajanga II; 8,860 in Marovoay; 3,141 hectares in Lalangina; 3,060 hectares in Midongy South; 2,808 hectares in the region of Betsiboka. 135,708 hectares of other crop fields are flooded.
5. Assessments on the damage caused by the tropical cyclones are still ongoing: a mission has been deployed to Betsiboka region and the area of Mampikony on the west coast, areas already hit by cyclone Fame. Another team is expected to leave soon to visit the region of Atsimo Atsinanana in the south east, prone to food insecurity. The numbers of those affected are expected to rise in the coming weeks as new areas are assessed and isolated communities reached.
6. In the capital the water levels have decreased, and most of the families have returned to their homes.
7. Overview of affected populations:

District	Number of inhabitants	Without shelter	Affected	Immediate needs
Sainte Marie	19,129	9,626	16,530	Food, seeds, drugs, water kits, construction materials, fishing kits.
Fenerive Est	281,915	80,217	81,013	Food, seeds, drugs, water kits,

				construction materials.
Soanierana Ivongo	116,439	22,304	35,952	Food, seeds, drugs, water kits, construction materials.
Vavatenina	177,909	16,952	26,102	Food, seeds, drugs, water kits, construction materials.
Mananara-Nord	124,421	1,990	4,043	
Nosy Be	42,035		400	Construction material.
Ambatondrazaka	281,363	366	366	Food, seeds, drugs, water kits, epidemic surveillance.
Amparafaravola	249,490	8,282	9,924	Food, seeds, drugs, water kits, construction materials, epidemic surveillance.
Andilamena	48,200	337	337	Food, seeds, drugs, water kits, construction materials, epidemic surveillance.
Moramanga	255,385	624	624	
Brickaville	186,659	9,424	29,719	Food, seeds, drugs.
Tanambao Manampotsy	54,105	463	2,290	Food, seeds.
Vatomandry	151,326	558	935	Food, seeds.
Toamasina I	209,795	1,153	4,601	
Toamasina II	197,307	28,583	42,449	
Midongy du Sud	30,657		1,500	Food, seeds,

				drugs, zodiacs.
Farafangana	245,120	180	180	Food, seeds, drugs, wash kits, transport means.
Fianarantsoa I	170,647		841	
Lalangina			12,690	
Mahajanga I	157,370		1,655	Food, seeds, drugs.
Mahajanga II	54,278		8,000	
Marovoay	144,701		288	
Ambato Boeny	126,220	167	667	
Soalala	31,825			
Mitsinjo	61,952		23	
Port Berge	120,259		1,220	
Mampikony	97,878		7,583	Food, seeds, drugs, zodiacs.
Analalava	104,307		500	
Bealanana	116,874		374	
Mandritsara	237,230	98	1,633	
Maevatanana	123,687		406	
Tsaratanana	113,317			
Kandreho	13,795		45	
Mahabo	13,309	68	1,773	
Miandrivazo	95,083	200	24	
Belo sur Tsiribihina	60,747		1,200	
Morondava	36,367	2,500	7,500	Food, seeds, drugs, zodiacs, latrines, school tents, wash kits.
Tana Atsimondrano	337.162	11,841*		
Tana Avaradrano	240.056	765*		

- This situation report, together with additional information on the current crisis is also available on <http://www.reliefweb.int>. As your tool for timely information sharing, please encourage submissions of documents and maps by email to [submit@reliefweb.int](mailto:submit@reliefweb.int).

Ambohidratrimo	271.886	160*		
Antananarivo ville	1.042.978	7,335		
Tsiroanomandidy	250,099	100	100	
<b>Total</b>		<b>191,182</b>	<b>332,391</b>	

Source number of population: INSTAT, 2006

## 8. Infrastructure

Analanjirifo Region: Fenerive Est: Floating bridge between Antanambao and Nosybe currently flooded. Traffic between Fenerive Est and Toamasina is cut off; Soanierana Ivongo: Road at 30 km of Mahasoia cut off.

Menabe Region: Mahabo: Deviation of the river led to considerable damage to lands and houses.

Diana Region: Ambanja: RN6 cut off south of Port-Bergé, 8 of the 22 rural communes are isolated.

Sofia Region: Mampikony: access problems between Port-Bergé and Mampikony; Mandritsara: Road between Mandritsara and Antsohihy is cut off at two points, Ankazamba at 100km of Mandritsara and the Sofia bridge (at 75km of Mandritsara)

Alaotra Mangoro Region: Amparafaravola: Bridge destroyed on the road between Amparafaravola and Andilamena.

## 9. Education

Région Analanjirofo: 481 school buildings destroyed, of which 280 in Fenerive Est, 14 in Sainte-Marie, 117 in Soanierana Ivongo, 78 in Vavatenina and 21 in Mananara-Nord.

Région Atsinanana: 210 school buildings destroyed, of which 32 in Brickaville, 11 in Toamasina I, 161 in Toamasina II and six in Vatondry.

Région Alaotra Mangoro: 54 school building considerably damaged in the district of Andilamena; 15 in the district of Amparafaravola and two in the district of Ambatondrazaka

## 10. Health

Région Analanjirofo: 43 sanitary infrastructures, of which 12 CSB totally destroyed in the district of Fenerive-Est, 6 CSB in the district of Sainte-Marie, 10 CSB in Vavatenina, 5 CSB in Mananara-Nord, and 10 CSB in Soanierana Ivongo.

Région Haute Matsiatra: 42 sanitary infrastructures damaged, of which 7 in Fianarantsoa I, 12 CSB without roof in Ambohimahasoia, 5 CSB and the surgery building without roof in Vohibato, one CSB without roof in Ambalavao, 6 CSB without roof in Lalangina, 5 CSB without roof in Isandra and 7 CSB without roof in Ikalamavony.

Région Alaotra Mangoro: 15 sanitary infrastructures damaged, of which 8 in the district of Andilamena, two flooded in the district of Amparafaravola and five damaged in the district of Ambatondrazaka. Potential risk of diarrhea and pneumonia.

Région Sofia: 7 CSB II and 1 CHD I damaged in the district of Mandritsara.

Région Vatovavy Fitovinany: 3 sanitary infrastructures damaged, of which one CSB II in Mananjary and 02 CSB II in Ifanadiana.

Région Menabe: 2 sanitary infrastructures damaged, of which one CSB II in the district of Mahabo and one CHD 1 in the of Miandrivazo.

## 11. Water and sanitation

In general, the regions of Analanjirofo, Alaotra Mangoro, Sofia and Boeny encounter problems accessing drinking water. Sainte-Marie has had no drinking water since 16 February, except in the city of Ambodifotatra. The hydric network has been cut off on several points.

## 12. Agriculture

Overall, 44,176 hectares of rice fields destroyed and 135,708 hectares of other crop fields are flooded.

Analanjirofo Region: Majority of crops have dried up.

Région Diana: Ambanja, 25,200 vanilla plants are damaged.

Région Atsinanana: Brickaville: 74% of income generating cultures (vanilla, clothes), 92% of food production, and 82% of the fruit trees damaged; Tanambao Manampotsy: 80% of food production, 50% of income generating cultures (vanilla, clothes), and 80% of the fruit trees damaged; Toamasina I: 92% of income generating cultures (vanilla, clothes), and 86% of the fruit trees damaged; Toamasina II: 85% of income generating cultures (vanilla, clothes), 89% of food production, and 82% of the fruit trees damaged; Vatondry: 40% of income generating cultures (vanilla, clothes), 53% of food production, and 62% of the fruit trees damaged.

## 13. Others

Due to geographical reasons, the district of Mampikony in the Sofia region is difficult to access. As a result prices raise (gasoline is at 4000 ariary per liter for example), and producers find it hard to sell their products.

## RESPONSE

## 14. Logistics

BNGRC sent a zodiac to the region of Analanjirofo to distribute humanitarian aid. In addition to the pre-positioned stocks, the BNGRC has in all the affected regions of the country distributed 11 generators.

CRM has distributed tools and construction materials in the regions of Analanjirofo, Atsinanana, Alaotra Mangoro, Menabe and will distribute in Sofia and Boeny.

The WFP MI-8 helicopter is foreseen to arrive in Antananarivo, coming from Mozambique, before the end of the week. Its arrival has been delayed by

the tropical storm Jokwe. The helicopter will cover the priority and inaccessible areas in the four most affected districts on the East Coast. The air operation will cover 50,000 beneficiaries during one month.

#### 15. Infrastructure

FID: Clearing, cleaning and purifying activities in the districts of Fenerive Est, Soanierana Ivongo, and Toamasina I.

The Civil protection Corps is rehabilitating meeting halls in the region of Analanjirofo and some class rooms on Fenerive Est. In Besalampy, new agricultural terraces are being built. In Mahambo and Sainte Marie the CPC has been clearing trees.

UNICEF, In collaboration with the Ministry of Health, Water and Forests and Tourism and the local authorities, UNICEF has provided 50,000 units of 50 kg bags to protect Morondava from the progressive mounting of the seawater.

CARE has in the three districts of Fenerive-est, Vavatenina and Soanierana Ivongo the clearing of roads linking villages, the rehabilitation of bridges, schools, basic health centres, and irrigation canals constitute the priorities.

#### 16. Agriculture

FAO is waiting to start more detailed evaluations on damages and losses. The intervention of FAO will focus on the distribution of seeds.

#### 17. Health

Regional and local health teams in the region of Analanjirofo, with the support of UNICEF, have elaborated an urgency intervention plan to improve accessibility to affected populations and mobilize health agents.

BNGRC has in addition to the pre-positioned stocks, 28 boxes of drugs in the most affected regions.

SUCA supported affected persons in the districts of Sainte-Marie, Fenerive est, Vavatenina, Soanierana Ivongo, Ambatondrazaka, Amparafaravola, Toamasina I, Midongy du Sud, Fianarantsoa I, Ambohimahasoa, Ambalavao, Lalangina, Mahajanga I, Mahajanga II, Marovoay, Morondava, Belo sur Tsiribihina, Antananarivo Atsimondrano, Antananarivo Renivohitra et Ambohidratrimo. In addition, SUCA has distributed drugs to the following districts: Fenerive est, Sainte-Marie, Ambatondrazaka, Amparafaravola, Toamasina I, Soalala, Mahabo, Morondava, Antananarivo Atsimondrano, Antananarivo Avaradrano, Ambohidratrimo and Antananarivo Renivohitra.

With the support of UNICEF, a team of health experts will assure the provision of and the vaccination of children in the inaccessible areas in the Eastern region.

CRM is providing free medical consultation, distribution of mosquito nets, and distribution of essential drugs in the regions of Analanjirofo, Atsinanana, Alaotra Mangoro, Menabe and very soon Sofia and Boeny.

UNICEF, in collaboration with the Ministry of Health and NGO (of which Médecin du Monde), intervenes in the regions of Analanjirofo, Atsinanana, Alaotra Mangoro, Menabe and Antananarivo. UNICEF's rapid response foresees drugs for 9,000 persons, treatments for diarrhea for 6,000 persons. In addition, 6,000 households will receive blankets and 2,160 other households mosquito nets. In Morondava, UNICEF foresees assisting the fokontany to treat populations affected by the disease « Pied d'athlète », to support the Regional Health Authorities in the construction of a cold chain and the rehabilitation of CSB II in Ambia.

#### 18. Nutrition and food security

BNGRC: In addition to the pre-positioned stocks, 137 tons of rice, and 3,892 boxes of nutritional kits have been distributed.

CRM has distributed PPN, cooking kits in the regions of Analanjirofo, Atsinanana, Alaotra Mangoro, Menabe and very soon Sofia and Boeny.

CARE has started distribution of 430 tons of rice, beans, oil and enriched flour (CSB) since 1 March for 43,000 households in the districts of Fenerive-Est, Vavatenina, Soanierana Ivongo. 20% of food items have been distributed directly to the most vulnerable persons. 80% will be distributed in the form of VCT. For this second option, approaches will differ per district.

WFP will launch a food security evaluation in the most affected regions of Atsinanana and Analanjirofo (Northeast), Alaotra Mangoro (Centereast), Atsimo Atsinanana (Southeast) and in the district of Mampikony (Northeast). This evaluation will identify medium term food aid needs. WFP distributed, in collaboration with two partners NGOs (ASERN and Reggio Terzo Mondo), three tons of enriched flour (CSB) and energy biscuits (HEB) to 2,000 persons living in camps. This is in addition to the 0,5 ton of HEB distributed by WFP. In collaboration with the CRM and UNICEF, WFP has distributed 350 kg of HEB in the region of the Alaotra Lake. In collaboration with ADRA, WFP will distribute 22,2 tons of vegetables for 11,174 beneficiaries in the region of Alaotra Mangoro. The distribution will take 15 days.

In coordination with the nutrition sector, UNICEF plans to strengthen the nutrition surveillance system in the affected areas. The National Nutrition Office (ONN) has distributed additional nutritional supplements (UNIMIX) offered by UNICEF to 500 children below 5 years old on camp sites in Antananarivo.

ADRA has distributed 100 tonnes of rice, 40 tonnes of CSB and oil for the region of Alaotra Mangoro.

Caritas and CRS-MG will undertake response project together under the name 'EMERGENCY APPEAL-IVAN 2008'. The main activities of the project consist in distributing food items (rice, beans, dry beans, oil, CSB) and non-food items (blankets, water purifiers, soap, jerry cans) in the districts of Antananarivo Atsimondrano, Toamasina II, Fénérive est, Soanierana Ivongo, Sainte-Marie and Vavatenina. The beneficiaries are 73,082 persons or 15,000 households.

#### 19. Water and sanitation

BNGRC has distributed 187 boxes of soap, 24 boxes of sur' eau.

CRM is carrying out hygiene sensitization, distribution of wash kits, disinfection of wells, treatment of water in the regions of Analanjirofo, Atsinanana, Alaotra Mangoro, Menabe and very soon in Sofia and Boeny.

In close collaboration with BNGRC, local authorities and partners NGOs, UNICEF distributed wash kits (cups, jerry cans, buckets, soap, tanks, water purifiers, mobile latrines, etc) to 5,000 households in Antananarivo, 2,000 households in Alaotra Mangoro. Wash kits for 29,000 households in the regions of Analanjirofo and Menabe will be distributed.

#### 20. Education

The Ministry of Education and regional and local teams, with the support of UNICEF, are preparing a national action plan for a rapid and coordinated response, as well as the reconstruction of destroyed or damaged schools.

In support of the Ministry and regional and local authorities, UNICEF has reintegrated around 13,000 students in the affected areas by using school tents and school in a box and recreation kits. More support is planned in the coming days for the regions of Menabe and Alaotra Mangoro.

FID has opened call for tenders to build new CEGs, and EPPs in several regions.

#### 21. Shelter

BNGRC has distributed 356 tents, 205 tarpaulins and family kits.

CARE has distributed 245 rolls of plastic sheeting for 43,000 households in the districts of Vavatenina, Fenerive Est, Soanierana Ivongo, between 27 February and 1 March. Activities will continue until 9 March.

#### 21. Protection

UNICEF, in collaboration with local authorities and the CRM, two child friendly spaces have been created on camp sites in Antananarivo. In total 10 such spaces will be created in all affected areas.

### COORDINATION

22. The following coordination meetings have taken place within the different clusters/sector working groups.

23. 26-27 February: Multi-sector evaluation missions to the regions of Alaotra Mangoro, Sofia and Menabe.

24. 27 February-3 March: joint evaluation mission by CARE Madagascar and the ECHO Regional Director to evaluate damages and urgent needs. As a result of the mission, ECHO donated 385,000 EUR to CARE to strengthen its activities in the districts of Vavatenina, Soanierana Ivongo, Fénérive-Est, Mananara Nord and Sainte Marie.

25. WFP staff from Antananarivo office and sub-office of Amboasary has been deployed to Sainte-Marie in order to prepare and coordinate distributions of food and NFIs in collaboration with local authorities.

26. 1-2 March: Visit by BNGRC Executive Secretary to the Analanjirofo region.

27. 3-7 March: WFP evaluation missions over the entire country to be finalized this week.

28. 8 March: health sector coordination meeting between Ministry of Health, UNICEF, and local authorities of Fenerive-Est.

29. BNGRC and UNICEF have carried out an evaluation at camp sites in Antananarivo.

30. In collaboration with sanitary authorities and humanitarian partners, an health evaluation mission by Medecins du Monde (MDM) was organized in Fenerive Est and Vavatenina, in particular in 16 most affected zones. The total number of population covered by this evaluation is 190,112 persons.

### HUMANITARIAN FUNDING

31. The support from countries, donors and partners is on the rise. After USAID, the EU has agreed to disburse 6,8 million EUR for the reconstruction of



destroyed infrastructures and humanitarian assistance. Japan offered several equipments and material for 15 millions YEN to the BNGRC. The Island of Reunion has donated 110,000 EUR to the Malagasy government.

32. The appeal for international assistance and solidarity thus had a positive echo. Other donors are in the process of contacting the BNGRC.

To provide updates and information to be reflected in upcoming Situation Reports, please contact Mr. Jean-Marie Stratigos at [stratigos@un.org](mailto:stratigos@un.org).

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