Ecuador Earthquake Special Regional Report, April 2016
Glide EQ-2016-000035-ECU

Situation Report – (period covered: 19-21 April, 2016)
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Situation Overview

Background:
A 7.8 magnitude earthquake occurred on the central coast of Ecuador on 16 April 2016 at 23:58:37 (UTC), 6:58pm ECT. The epicenter was 16 miles SSE of the town of Muisne. Towns and villages along the coast, especially in the province of Manabi, have suffered the most damage. As of 21 April according to the UN Office for the Coordination of Humanitarian Affairs (OCHA), over 720,000 people are affected. The Government of Ecuador, local emergency responders, the Red Cross and other organizations are working together to provide people with food, drinking water, shelter, emergency medical assistance and other basic services, including restoring electricity. (source)

According to the Secretaría de Gestión de Riesgos Situation Report No. 31 of 21 April: 570 people have died, 155 are missing, 7015 people have been injured, 25,362 people are in shelters, 1125 buildings have been destroyed and 829 damaged, and 281 schools have been affected. (source) Map credits Wikimedia Commons

Social Media Highlights:
20 April: Of 24 hospitals in the affected area there are 2 which were destroyed. (source)
20 April: More than 21 medical teams are mobilized in the emergency zones. (source)

Aid Agency Highlights
21 April: Aid Agency 3W Report for Ecuador in progress via StandbyTaskForce/ (source)
21 April: Mindo Futures medical personnel and items arrived in Manta last night (source)
21 April: Samaritan’s Purse has arrived in Guayaquil with Field Hospital (Video)
21 April: Google Crisis Map
20 April: IFRC estimated 10,000 children under five years in need of assistance (Source)
20 April: Doctors Without Borders sends 4 teams to Ecuador (source)
20 April YouTube video from San Vicente shows line for food (source)
19 April: Access Constraints Map
Urgent Needs by Location

Esmeraldas Province
20-21 April - MSF team visiting southern Esmeraldas smaller towns to provide support with capacity to treat 500 people. MSF reports major needs as water and sanitation in Esmeraldas. Convoy of aid including water began arriving April 20. Four doctors from Quito relocated to Atacames to support affected area. World Vision is launching a response in Esmeraldas and Manabi provinces to provide emergency kits for affected families, temporary shelter, and Child-Friendly Spaces. (Source)

Cities Impacted:

- **Atacames** (coordinates: 0.866667, -79.833333, population 11,251)
  - 21 April: 22 people injured, 2 buildings destroyed. (source)
  - 20 April: Four doctors based in Quito moved to Hospital Juan Carlos Guasti, in Atacames, to provide services to those affected. (source)
  - 20 April: Convoy crossed into southern Atacames on Tuesday ferrying aid to Musne Canton. Convoy included drinking water, food, mattresses, dump trucks, crawler excavators and more. (source)
- **Cabo San Francisco** (Coordinates: 0.6533612, -80.0699902) population 200
  - 21 April: MSF reports 200 people living in makeshift shelter without aid (source)
- **Eloy Alfaro** (Coordinates: 1.25, -79, population: 33,403)
  - 21 April: 25 people injured, 3 buildings destroyed and 3 damaged. (source)
- **Esmeraldas** (coordinates: 0.968611, -79.660278, population: 161,868, website)
  - 21 April: MSF team can treat 500; reports need for water and sanitation (source)
  - 21 April: 307 people injured, 85 people in shelters, 13 buildings destroyed. (source)
  - Heavy damage is seen in the coastal city of Esmeraldas (source)
- **Muisne** (coordinates: 0.610833, -80.018611, population: 5,925, website)
  - 21 April: 230 houses collapsed in Muisne Island, 250 houses in San Jose de Chamanga, 50 in Daule, 40 in New Muisne (El Relleno), no official report from Salima (source)
  - 21 April: 14 people missing, 1 person located, 676 injured, 3458 in shelters, 312 buildings destroyed, 276 damaged. (source)
  - 19 April: “Buque de @armadacolombia llega a #Chamanga y #Muisne con alimentos y agua.” (A Colombian Navy ship has arrived at the coast to provide food and water for Muisne). (source)
  - 19 April: “No hay agua en #Muisne #Chamanga asi esta en estos momentos.” (No water in Muisne). (source)
- **Quinindé** (coordinates: 0.33, -79.48, population: 60,153)
  - 21 April: 87 buildings destroyed, 76 damaged. (source)
- **Río Verde**
○ 21 April: 30 people injured, 3 buildings destroyed, 16 buildings damaged. (source)

- **San Jose de Chamanga** (coordinates: 0.267, -79.933, population: 4,254)
  - 21 April: 250 houses collapsed in San Jose de Chamanga (source)
  - 20 April: Caminero Municipal team and two municipal tankers working in delivery of drinking water in Chamanga. Also heavy equipment supporting debris removal. (source)
  - 19 April: “Gracias a la cooperación de @PoliciaEcuador y @EjercitoECU hemos entregado carpas y lonas en #Chamanga”. (UNHCR has delivered tents and tarps to Chamanga). (source)
  - 19 April: “CONOCE. Nuestro personal colabora con el cuidado y arreglo a nuestro niños, en localidad de #Chamanga.” The Ecuador Police are providing care for children. (source)
  - 19 April: “Veterinarios de #MAGAP - Imbabura parten a #Chamanga - #Esmeraldas con clínicas móviles para asistir a animales.” (Veterinarians from #MAGAP are sending mobile clinics to Chamanga to assist with animal care). (source)
  - 19 April: “Buque de @armadacolombia llega a #Chamanga y #Muisne con alimentos y agua.” (A Colombian Navy ship has arrived at the coast to provide food and water for Chamanga). (source)
  - 19 April: “No hay agua en #Muisne #Chamanga así esta en estos momentos.” (No water in Chamanga). (source)

- **San Lorenzo**
  - 21 April: 12 people injured. (source)

**Guayas Province**
Hashtag #GuayasSolidario to share information about recovery efforts and needs in Guayas. The province has become a hub for collecting donations to send to other provinces, such as Manabi, that received more serious damage.

**Cities Impacted:**
- **Daule** (Coordinates: -1.866667, -79.983333, population: 125,358)
  - 21 April: 56 homes collapsed Daule, food scarce (source)
  - 19 April: 2 reported deaths. (source)
- **Guayaquil** (Coordinates -2.170998, -79.922359 Population 3,500,000)
  - 21 April: Samaritans Purse has arrived in Guayaquil with Field Hospital (Video)
  - 20 April: #Ecuador #Guayaquil At 2 pm Volunteers are needed at the Coliseum Abel Jimenez Parra source
  - 19 April: 2 reported deaths. (source)
○ 19 Apr: Via Jaime Nebot Mayor of Guayaquil “We will soon deliver two water purification plants. We will continue to report” (source)
○ 19 Apr: Drone Footage Bridge collapse (video)
○ 19 April: “URGENTE #SeNecesitaEC Coliseo Abel Jimenez Parra (Capitán Nájera y Tungurahua) Jabón, pasta de dientes, toallas sanitarias, agua.” (Relief supplies are being collected at Coliseo Abel Jimenez Parra in Guayaquil. Needs include soap, toothpaste, sanitary napkins, and water.) (source)
○ 19 April: “#GuayasSolidario estamos en Av. Pedro Méndez Gilbert (frente a Solca) esperamos tus donaciones. (Medications and medical supplies are being collected at Av. Pedro Méndez Gilbert (frente a Solca)). (list of needs).

Manabí Province

20-21 April Summary - World Vision Emergency Response Staff are setting up shelters alongside with government ministries in Manabi to aid affected families. (source) Secretariat for Risk Management Situation Report 30 indicates potable water within Manabi is estimated at 57% coverage (source). On April 20 at 17h00 the first group of physicians left for Pedernales and Portoviejo. A total of physicians and nurses travelled in order to rescue persons, and recover corpses. (source)

Cities Impacted:

- Bahía de Caráquez (0.618662, -80.427364 Population 19,703)
  ○ 20 April Bahia de Caraquez Hospital collapsed. Photos (source)
  ○ 20 April local campaign and instructions to donate baby kits (source)
  ○ 19 April Temporary Hospital set up at Ministry of Justice Training Center (source)
  ○ 19 April: 13 deaths and 100 people injured. (source)
  ○ 19 April: Running out of food and water. (source)
  ○ 19 April: “El COE de bahiaydecaraquez se ha activado y los ciudadanos reciben la ayuda comunitaria.” (The COE has been activated and is providing aid from the community.) (source)
  ○ 19 April: “Necesito un lugar para que descansen un equipo de rescate 40 personas en bahiaydecaraquez si alguien sabe avíseme urgente.” (a 40 person rescue team needs a place to rest in Bahia de Caraquez). (source)

- Calceta
  ○ 21 April: 11 deaths. (source)

- Canoa (0.463777, -80.453512 Population: 6,887, Small fishing village popular with tourists)
  ○ 21 April: 36 deaths, 150 injured. (source)
  ○ 20 April: USAR team of 57 from Spain assisting (source)
  ○ 19 April: Running out of food and water. (source)
  ○ 19 April: Mayor reports 90% of homes destroyed many injured people, people trapped in the rubble. Mayor reports 43 people have been rescued. Immediate need for food water tents (source)
- 19 April: “@MauricioRodasEC Alcalde Pedernales los necesita por favor, ayuda, Jama, el Matal, Canoa, no tenemos más fuerzas estamos destrozados. Es duro.” (help needed in Canoa). (source)

- **Chone** (Coordinates: -0.683333, -80.1, population: 44,751)
  - 21 April Chone hospital infrastructure may be demolished (source)
  - 21 April: 6 deaths, 1 missing, 8352 in shelters, 165 buildings destroyed, 148 damaged. (source)
  - 20 April Samaritan’s Purse is sending an emergency field hospital along with medical staff. The hospital will be set up on the grounds of Napoleon Davila Hospital in Chone. (source)
  - 19 April: “Ayuda oficial no llega hasta este pueblo: Sitio Pavón, km 21, vía Alfaro Chone-Manabí @flavct no hay luz y ya no tiene agua.” (Reports of no aid, no water, no power). (source)

- **El Carmen** (coordinates: -1.3147, -80.0169, population: 69,998)
  - 21 April: 8 deaths, 1 missing, 211 in shelters. (source)
  - 19 April: 15 deaths and 38 people injured. (source)
  - 19 April: “Vía en sentido #Pedernales #ElCarmen habilitado de 16:00 a 24:00 de hoy. En sentido contrario de 00:00 a 08:00 de este miércoles. (source)
  - 19 April: “Equipos de ayuda se movilizan a las zonas afectadas ECUADORALEVANTARSE. Fotografía de ElCarmen.” (Mitad del Mundo aid teams are mobilizing to the area). (source)

- **El Matal** (small fishing village 4km north of Jama)
  - 19 April: “@MauricioRodasEC Alcalde Pedernales los necesita por favor, ayuda, Jama, el Matal, Canoa, no tenemos más fuerzas estamos destrozados. Es duro.” (help needed in Canoa). (source)

- **Jama** (coordinates: -0.2014, -80.2659, population: 25,250)
  - 19 April: “@MauricioRodasEC Alcalde Pedernales los necesita por favor, ayuda, Jama, el Matal, Canoa, no tenemos más fuerzas estamos destrozados. Es duro.” (help needed in Canoa). (source)

- **Junín** (coordinates: -0.92916, -80.20569, population: 18,496)
  - 19 April: 10 deaths and 50 people injured. (source)

- **Manta** (Coordinates: -0.950022, -80.7162, Population: 217,533)
  - 21 April Mindo Futures medical personnel arrived last night (source)
  - 21 April Canadian Consul assisting citizens in Manta (source)
  - 21 April: 174 deaths, 21 missing, 714 injured, 40 in shelters, 30 buildings destroyed, 20 damaged. (source)
  - 20 April: Municipal trucks are delivering kits with clothing, food, gallons of water and mattresses to area neighborhoods in Manta (source)
  - 20 April USAR Mexico CB Nobol team (120) assisting (source)
  - 19 April: Running out of food and water. (source)
○ 19 April: A 13 member UNDAC team, comprised of many expertise, is on the ground in Quito and Manta area. (source)
○ 19 April: Team Rubicon is on its way to Manta. (source)

● **Pedernales** (Coordinates **18.039585, -71.741488** Population 46,876)
○ 21 April: Se están preparando casas de salud para recibir los pacientes derivados desde Pedernales, Portoviejo y otras zonas afectadas. Health houses are being prepared to receive patients from Pedernales, Portoviejo and other affected areas. (source)
○ 21 April: 172 deaths, 53 missing, 17 located, 3091 injured, 6015 in shelters, 510 buildings destroyed, 301 damaged. (source)
○ 20 April: CB team (122) from Guayaquil assisting (source)
○ 19 April: Drone Video of Pedernales (video)
○ 19 April: Damage includes 62 hotels with need for more machinery (source)
○ 19 April: Damage on road from Jama to Pedernales. (source)

● **Portoviejo** (Coordinates **-1.056111, -80.455278** Population 223,086)
○ 21 April: El hospital de Chone Infraestructura esta en malas condiciones. Podría ser demolido. Chone hospital infrastructure is in bad condition, it may be demolished. (source)
○ 21 April: 118 deaths, 21 missing, 2 located, 922 injured, 1345 in shelters. (source)
○ 20 April: International USAR teams assisting (source)
○ 19 April: Running out of food and water.(source)

● **Rocafuerte** (coordinates: **-0.92, -80.46**, population: 10,574)
○ 20 April Cruz Roja Ecuatoriana assisting (source)
○ 19 April: 3 deaths and 60 people injured. (source)

● **San Isidro** (coordinates: **0.6166700, -77.9833300**, population: 785)
○ 19 April: Running out of food and water.(source)

● **San Vicente** (Coordinates **-0.604727, -80.402048** Population 6,887)
○ 21 April: 3 deaths, 6 missing, 4 located, 2500 in shelters. (source)
○ 20 April YouTube video from San Vicente shows line for food (source)
○ 20 April YouTube video from San Vicente shows damage (source)
○ 19 April: Running out of food and water.(source)

**Vulnerable Populations**

● 21 April: The United Nations is releasing $7 million from the UN’s Central Emergency Response Fund to assist people affected by the deadly earthquake that struck on Saturday, calling for more support to vulnerable communities. (source)
● 20 April: An estimated 10,000 people affected by the earthquake are children under 5, about 10,000 are over 65, and about 4,000 are pregnant women. (source)
● 20 April: The Ecuadorian Red Cross will focus its response in rural and remote areas and on providing support to vulnerable groups such as young children who may need early relief, wound management and psychosocial support. (source)
Twitter Hashtags
Event hashtags: #Ecuador #Ecuadorearthquake #SismoEcuador #FuerzaEcuador
Relief hashtags: #EcuadorALEvantarse #SeNecesitaEC #SeOfreceEC #GuayasSolidario
#EcuadorUnido #EcuadorListoYSolidario

Communications
● 21 April: Communications update included in the government situation report No. 31 on page 9 and page 20.
  ○ Maniba Province: All mobile internet communications are still out in San Isidro. Other cantons with mobile internet outages include: Bahía (Sucre), Chone, El Carmen, Jaramijó, Jipijapa, Manta, Montecristi, Portoviejo, Puerto López, Rocafuerte, San Vicente, and Santa Ana. Esmeraldas Province: mobile internet communications are operating at 97.4%.
  ○ Telecommunications: Maniba Province - Of 686 radio bases, 410 are operating.
● 19 April: Amateur Radio: Search & Rescue, Emergency Ops on HF at 7.060mHz. Operators are asked to remain clear from the frequency unless actively participating in operations.
(source)