


GDACS as Humanitarian Support Tool

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Global Disaster Alert and Coordination System

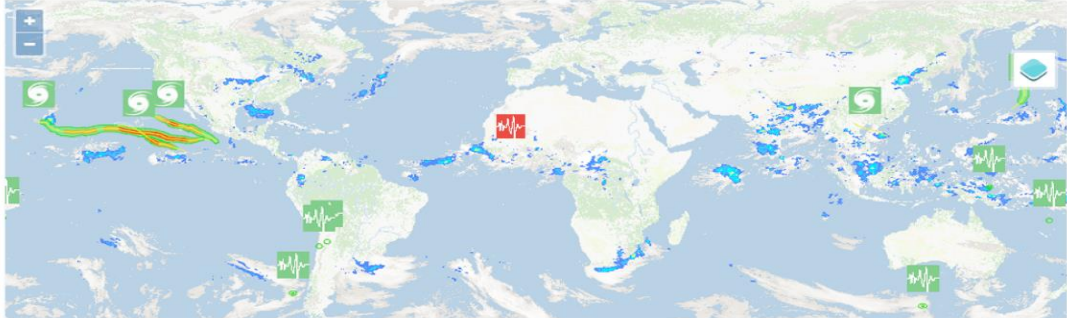
GDACS is a cooperation framework between the United Nations, the European Commission and disaster managers worldwide to improve alerts, information exchange and coordination in the first phase after major sudden-onset disasters.
























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Latest news GDACS Earthquake Alerts: the new Seismic Alerting Algorithm is operational

Latest alerts overview UTC time

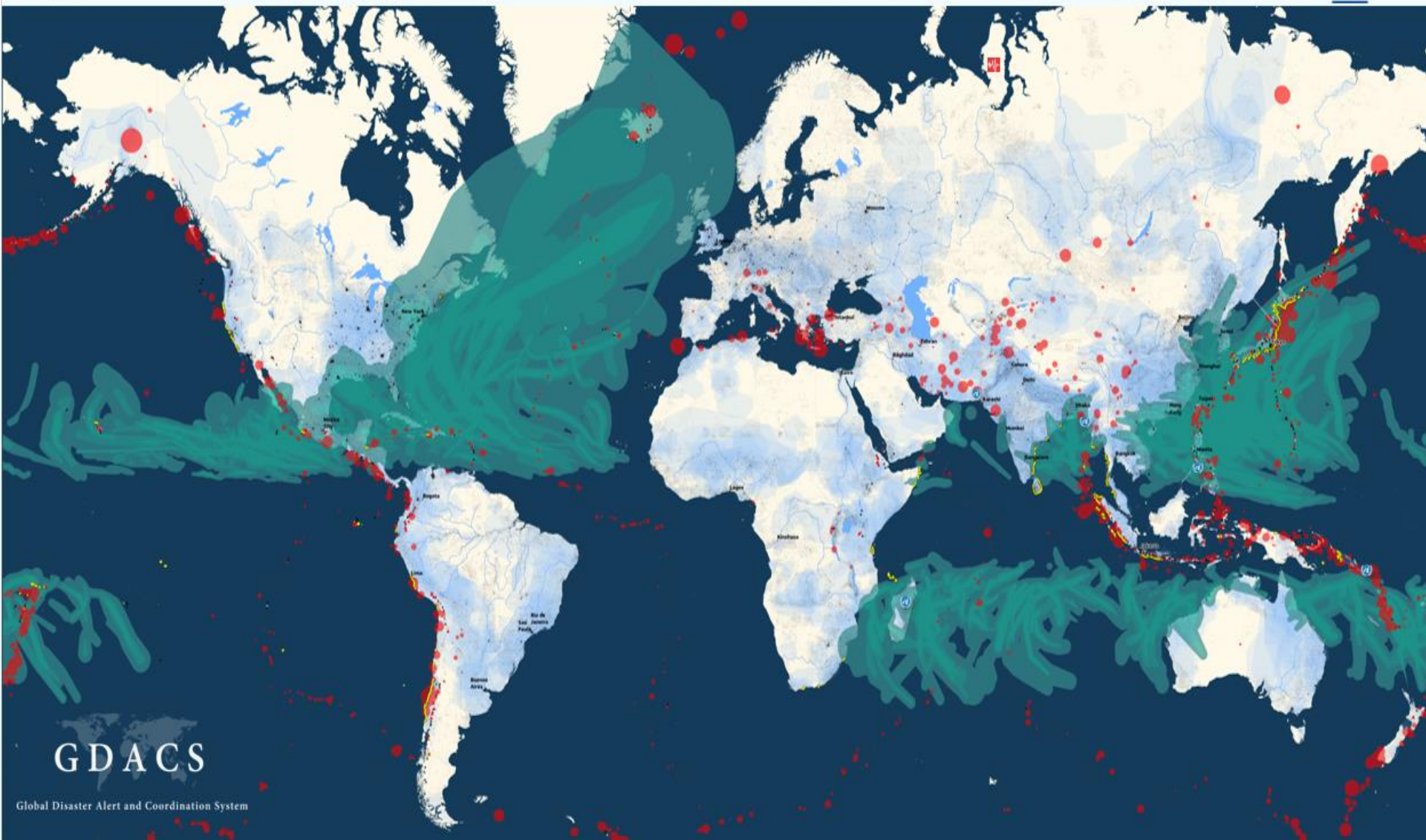


Map of disaster alerts in the past 4 days. Last 24 hours events are highlighted in yellow. Small earthquakes are shown as green boxes.
European Union, 2015. Map produced by EC-JRC. The boundaries and the names shown on this map do not imply official endorsement or acceptance by the European Union.

EARTHQUAKES	TROPICAL CYCLONES	FLOODS	FOREST FIRES	DROUGHTS	VULCANOES
 Guatemala 5.8M - 2 Aug 23:40	 IRVING-18 - Mexico 200km/h - 2 Aug 23:40	 Pakistan 2 Aug 23:40: UTC	 Spain 4 Aug 23:40: UTC	 Indonesia 2 Aug 23:40: UTC	 Indonesia (5.8) 2 Aug 23:40: UTC
 South Of Fiji Islan.. 5.8M - 2 Aug 23:40	 IRVING-18 Honduras 160km/h - 2 Aug 23:40	 South Of Fiji Islan.. 2 Aug 23:40: UTC	 Australia 4 Aug 23:40: UTC	 South Of Fiji Islan.. 2 Aug 23:40: UTC	 South Of Fiji Islan.. (5.8) 2 Aug 23:40: UTC
 Russian Federation 5.8M - 2 Aug 23:40	 IRVING-18 - United.. 145km/h - 2 Aug 23:40	 Indonesia 2 Aug 23:40: UTC	 Indonesia 2 Aug 23:40: UTC	 Niger 2 Aug 23:40: UTC	 Iceland (5.8) 2 Aug 23:40: UTC
 Italy 5.8M - 2 Aug 23:40		 Indonesia 2 Aug 23:40: UTC		 Iran (5.8) 2 Aug 23:40: UTC	 Indonesia (5.8) 2 Aug 23:40: UTC
 Chile 5.8M - 2 Aug 23:40					



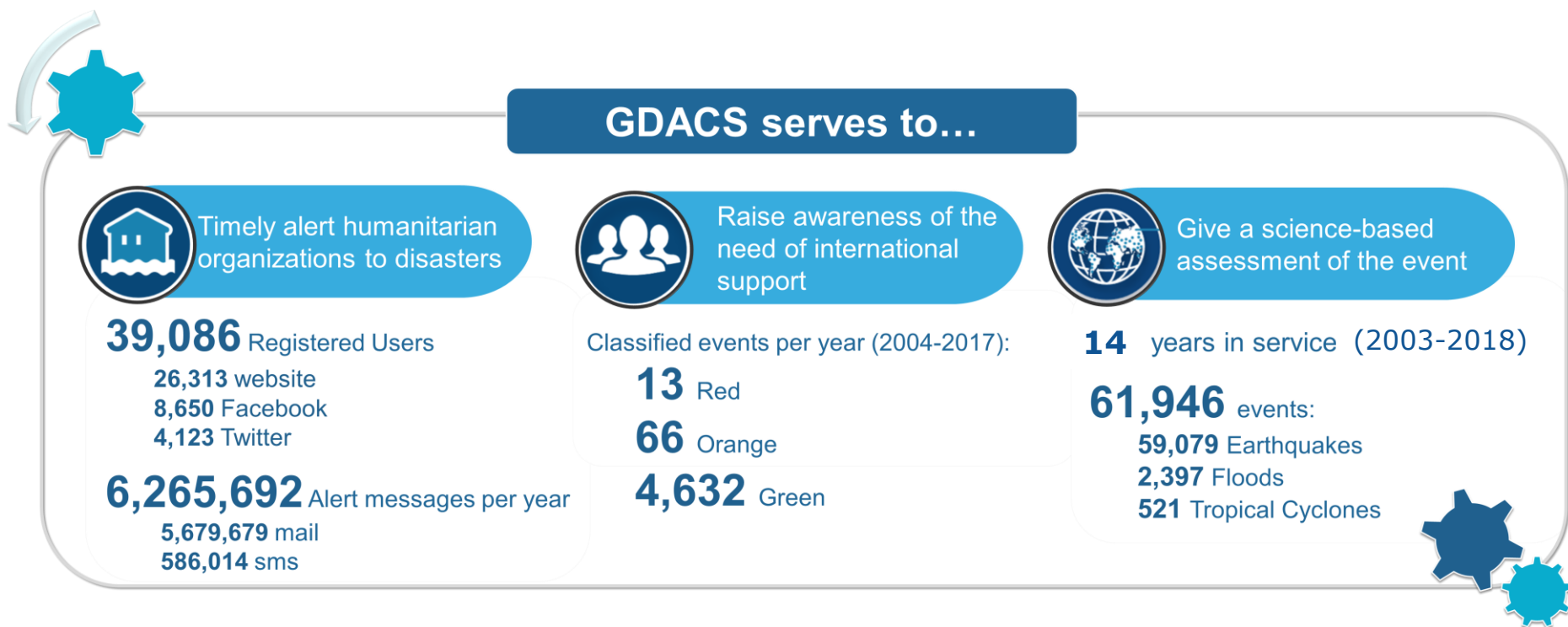
GDACS Global Natural Hazards Impact Map 15 years



GDACS

Global Disaster Alert and Coordination System

- GDACS is the result of 15 years of collaboration between EC and UN-OCHA
- The objective is to inform and alert the humanitarian community of ongoing large disasters



Current Phenomena in GDACS

Earthquakes & Tsunami

Overall Orange Earthquake alert in Solomon Islands on 08 Dec 2016 17:38 UTC

SUMMARY | **EARTHQUAKE IMPACT** | **TSUNAMI IMPACT** | **QTS** | **SEA LEVEL** | **MAPS** | **SHAKEMAP REPORT** | **MEDIA ANALYSIS** | **DATA RESOURCES**

Tsunami calculation for earthquake Earthquake in Solomon Islands

The JRC has developed a global tsunami wave height calculation model, which is run after each earthquake issued by seismological institutes around the world. This report is for earthquake episode 1149715 of event 1100349 issued at 08 Dec 2016 17:38 (GDACS Event ID: 1100349). Latest episode ID: 1149715, inserted at 08 Dec 2016 18:28 UTC.

Summary

Current impact estimate:

- The maximum Tsunami wave height is **1.7m** in Breneve, Vanuatu. This height is estimated for 08 Dec 2016 17:54:00.
- Orange alert in Solomon Islands on 08 Dec 2016 17:38:48 UTC
- About 33822 people within 100km
- Magnitude 7.8M, Depth 41km

A pre-calculated grid scenario is also available [here](#)

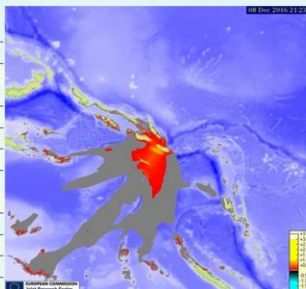


Tsunami

Affected locations

Locations affected by Tsunami wave (15 of 730)

Date	Name	Country	Tsunami wave height
08 Dec 2016 17:54:00	Breneve	Vanuatu	1.7m
08 Dec 2016 18:40:00	Manecura	Solomon Islands	1.5m
08 Dec 2016 18:42:00	Telere	Solomon Islands	1.4m
08 Dec 2016 18:42:00	Onahatane	Solomon Islands	1.4m
08 Dec 2016 18:42:00	Bia	Solomon Islands	1.4m
08 Dec 2016 17:55:00	Laravel	Vanuatu	1.4m
08 Dec 2016 18:40:00	Onacia	Solomon Islands	1.3m
08 Dec 2016 18:40:00	Suuwahaaru	Solomon Islands	1.3m
08 Dec 2016 18:40:00	Apaoro	Solomon Islands	1.0m
08 Dec 2016 18:40:00	Iona	Solomon Islands	1.0m
08 Dec 2016 18:40:00	Bugawaru	Solomon Islands	1.0m



Floods

Overall Orange Flood alert in Philippines from 16 Jan 2017 00:00 UTC to 26 Jan 2017 00:00 UTC

SUMMARY | **FLOOD IMPACT** | **MEDIA ANALYSIS** | **DATA RESOURCES**

GDACS Event Report - Flood Impact

Summary

This flood is expected to have a medium humanitarian impact based on the magnitude and the affected population and their vulnerability.

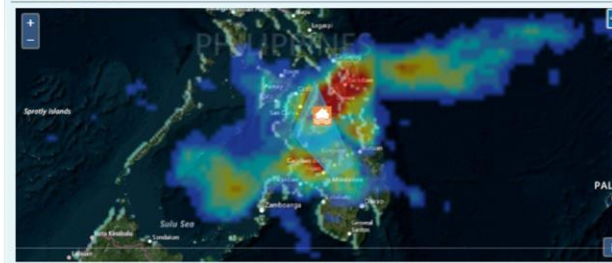
- Duration: 16/01/17 to 26/01/17
- Impact: 9 killed and 8164 displaced

Locations affected:

- Regions: Region X (Northern Mindanao)
- Provinces:
- Locations: Misamis Oriental Province (Northern Mindanao Region) Cebu Province (Central Visayas) Eastern Visayas Cagayan De Oro City (Misamis Oriental Province, Northern Mindanao Region) Zamboanga del Norte Province (Zamboanga Peninsula Region) Surigao del Sur Province (Caraga Region)
- Severity: class 1 (i.e. large flood event with significant damage to structures or agriculture, fatalities, and/or 1-2 decades-long reported interval since the last similar event)

The alert score is based on the reported death and displaced. Red = 1000 or more people killed or 800000 or more people displaced or international assistance already required. Orange = 100 or more people killed or 80000 or more displaced.

Satellite observations



Tropical Cyclones

Overall Red Tropical Cyclone alert for MAI /HEW-16 in United States, Bahamas, Cuba, Haiti from 26 Sep 2016 15:00 UTC to 09 Oct 2016 21:00 UTC

SUMMARY | **TROPICAL CYCLONE IMPACT** | **STORM SURGE** | **EXTREME RAIN** | **QTS** | **MAPS** | **MEDIA ANALYSIS** | **DATA RESOURCES**

GDACS Event Report - Summary

Summary

Tropical Cyclone MATTHEW-16 can have a high humanitarian impact based on the Maximum sustained wind speed and the affected population and their vulnerability.

Updated: this report is based on advisory number 47.

- Tropical Cyclone Hurricane/Typhoon = 74 mph (maximum wind speed of 259 km/h)
- From 26 Sep 2016 15:00 UTC to 09 Oct 2016 21:00 UTC
- Population affected by Category 1 (120 km/h) wind speeds or higher is 0.538 million
- Inserted at 09 Oct 2016 20:49:22 UTC
- Vulnerability: high

Extreme Rain

Potential rainfall is calculated based on rainfall observed by several microwave satellite sensors.

The image shows the total rainfall accumulation associated with the cyclone.

Storm surge

The maximum storm surge height is **2.5m** in Red Bay, The Bahamas. This height is estimated for 08 Oct 2016 18:00:00.

Overview

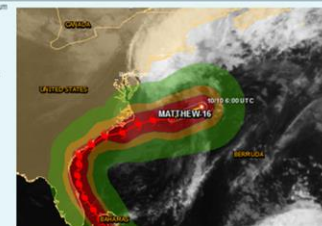
(Created: Thu, 11 Oct 2016 04:48:00 +02:00)



To obtain a geo-referenced version of this map (only the main map, without insets or text), please send a request to info@gdacs.org

More maps

For this event GDACS has links for additional reports



European Commission Joint Research Centre

Storm surge maximum height. (Source: JRC)

Latest media headlines

Impact Based Assessment since 2003!

Hazard Assessment

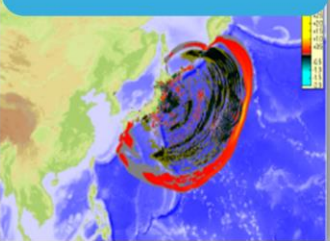
Data from international
organisations



Determine Hazard



Data from JRC tools
and algorithms

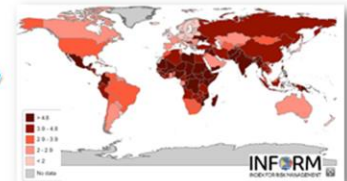


Impact Estimation

Determine Exposure



Insert Vulnerability

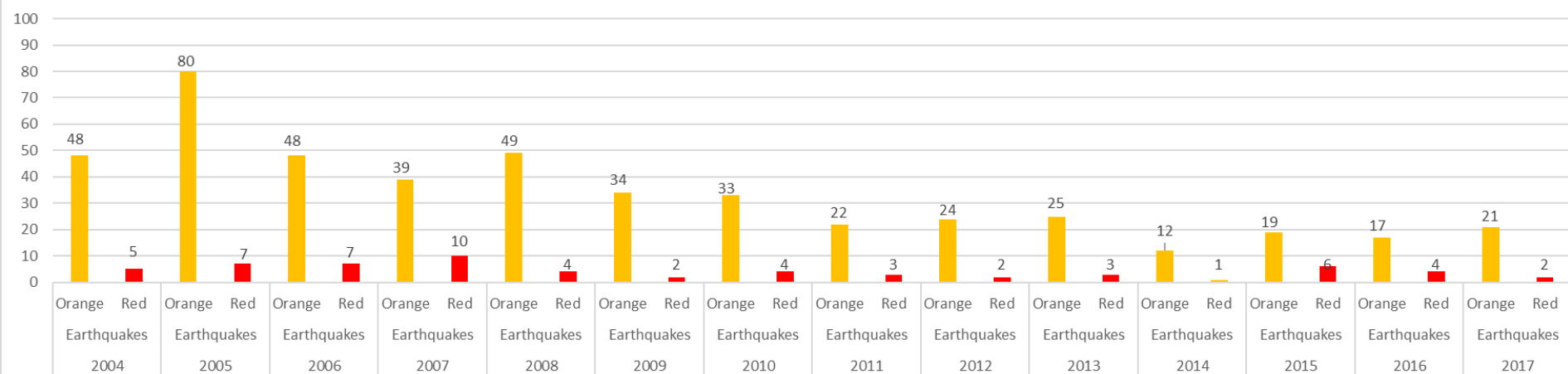


RED

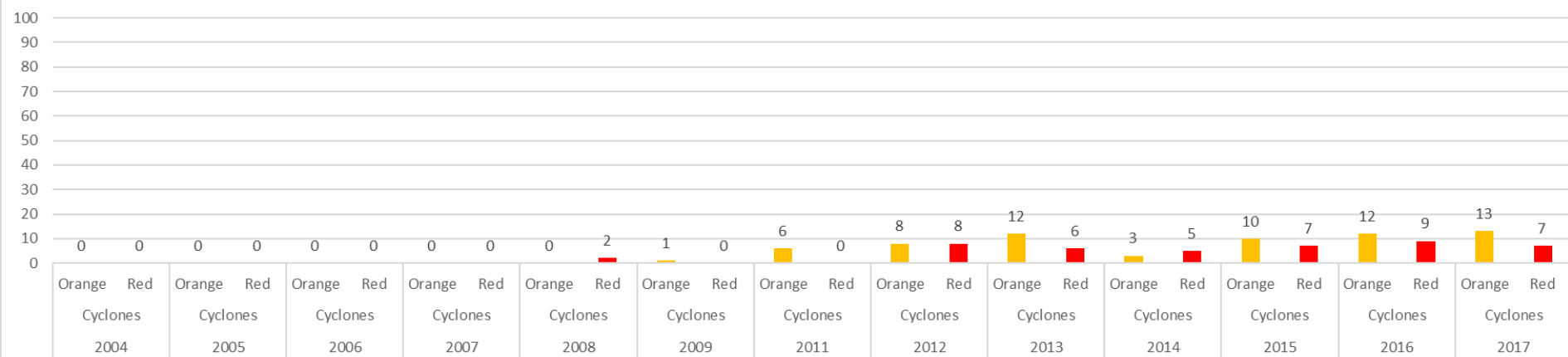
ORANGE

GREEN

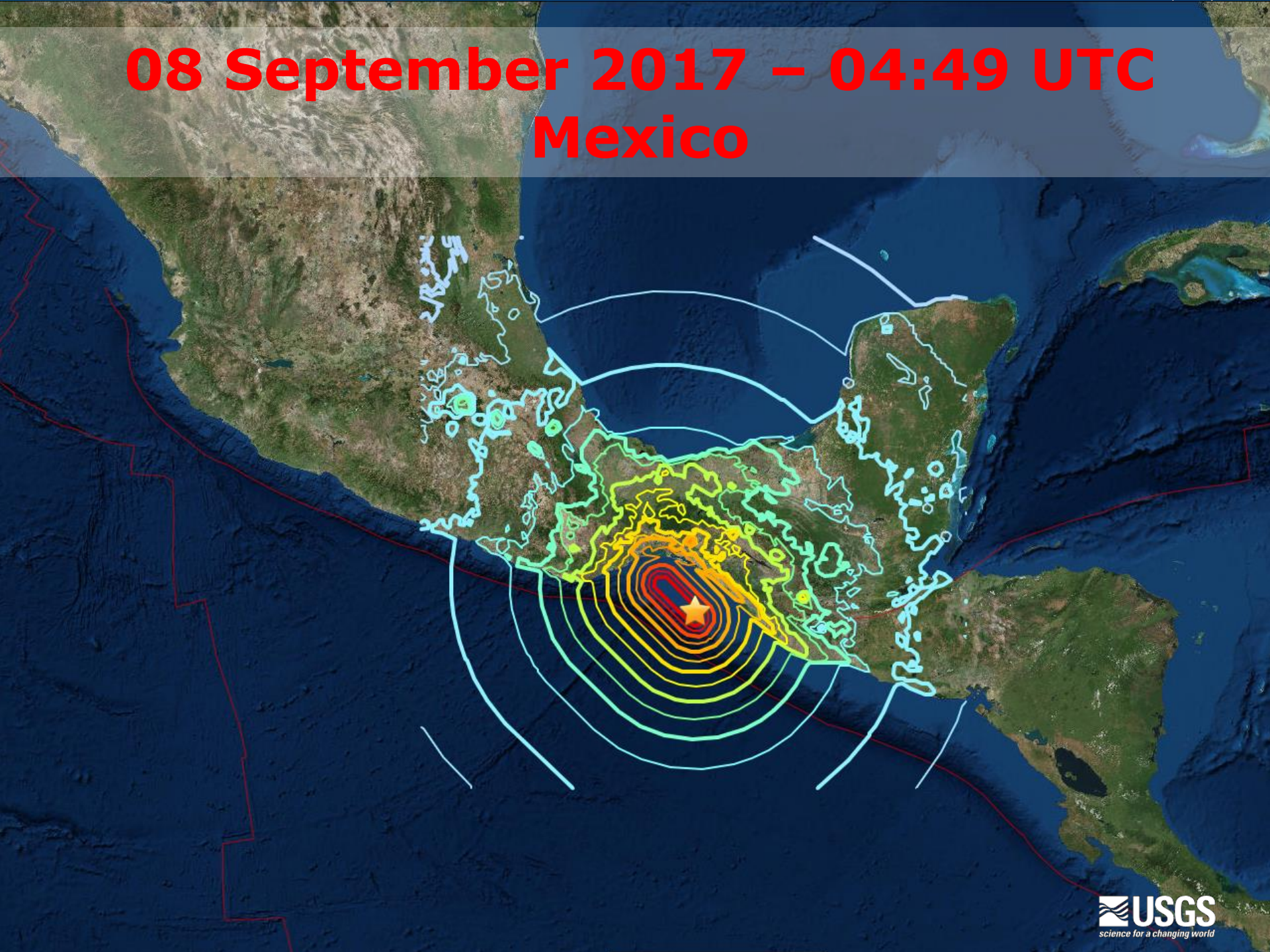
Earthquakes



Tropical Cyclones



08 September 2017 – 04:49 UTC
Mexico





M 8.1 Earthquake and Tsunami (1.7 m) in Mexico on 08 Sep 2017 04:49 UTC

Summary

Earthquake

Tsunami

Shakemap

GTS

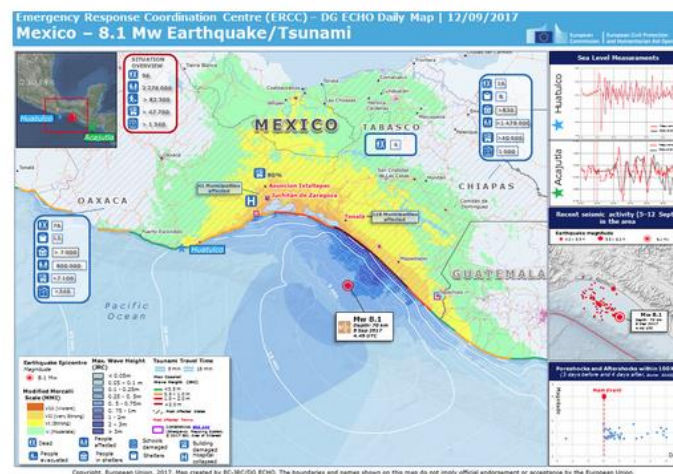
Media

Resources

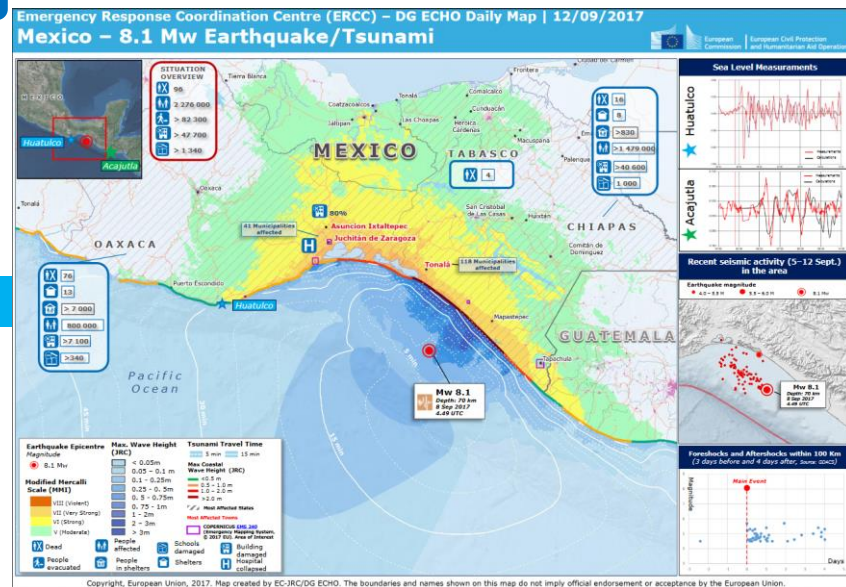
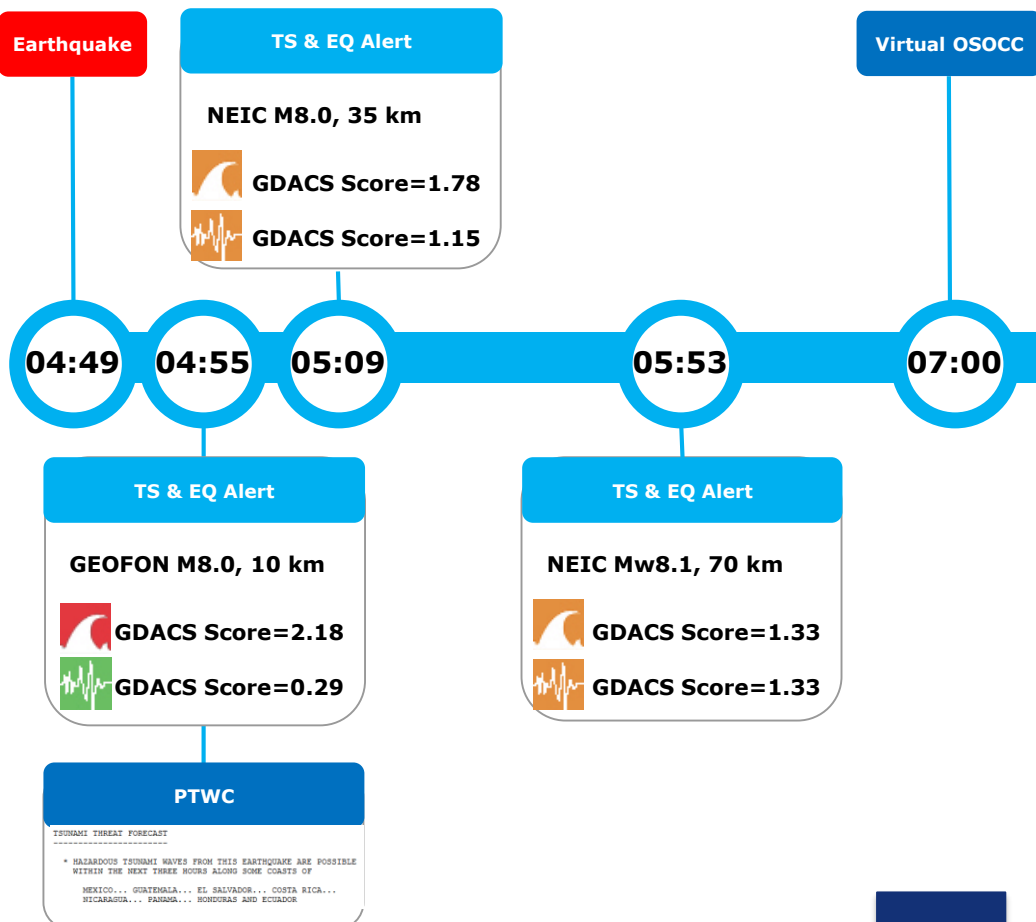
Event summary

This earthquake can have a medium humanitarian impact based on the Magnitude and the affected population and their vulnerability.

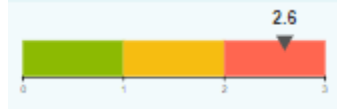
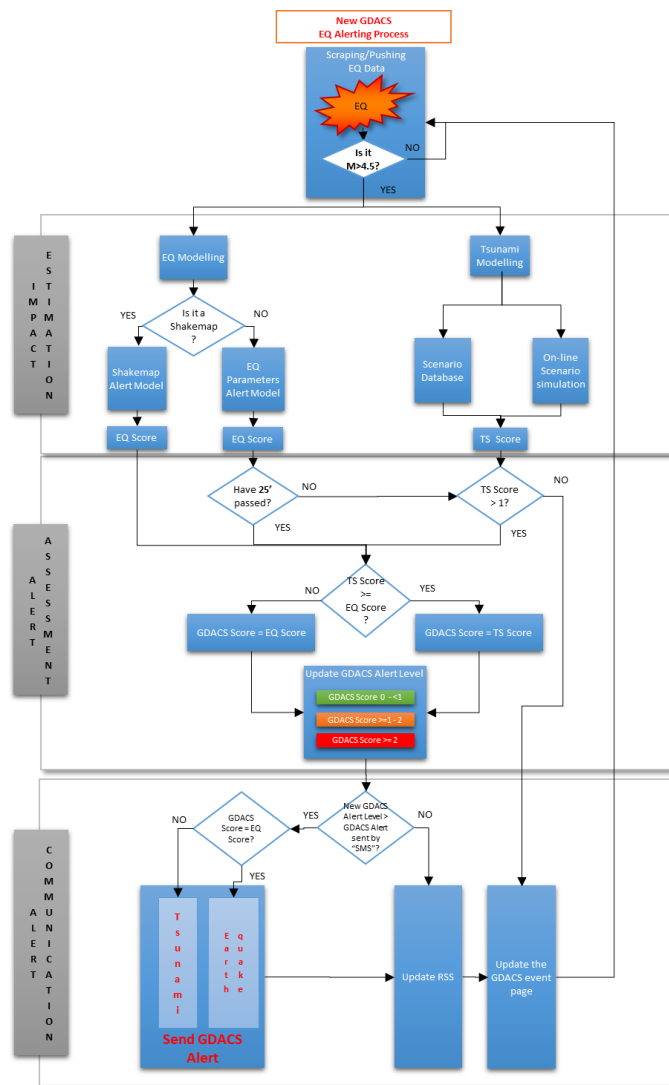
Earthquake Magnitude:	8.1M
Depth:	69.65 Km
Event Date:	08 Sep 2017 04:49 UTC
Exposed Population:	100000 people within 100km
Inserted at:	08 Sep 2017 05:54 UTC
INFORM Coping capacity of the alert score:	4.4 (MEX)
Maximum Tsunami wave height:	 2.7m in Boqueron, Mexico.
This height is estimated for:	This height is estimated for 8-Sep-2017 05:45:00.



Timeline of the GDACS EQ Alert



New EQ Algorithm



Event time line

For accessing reports of previous activities, please click on the activity number in the table below.

ID	Alert	Score	Date	Mag, Depth	Max Intensity (MMI*)	Pop (100 km or MMI 7)	Seismic risk (max. height)	Delay (Inform)	Source
118/257		2.98	12 Nov 2017 18:18	7.4M, 10km	N/A	1.8 million		00:08	GDACS ON
118/260		2.8	12 Nov 2017 18:18	7.6M, 10km	N/A	1.7 million		00:15	EMSC
118/262		2.2	12 Nov 2017 19:37	7.2M, 7.4		2.6 million		00:18	NGIC

Calculation Episode detail

Reference	ID	Level	Score	Type	Date Added	Population 100km or MMI-7	Population 20km or Max MMI	Max Height(m)
Episode	118/262		2.2	realtime	2017-11-12 19:37:18	340 thousand		0
Earthquake	204/35		2.18	realtime	2017-11-12 19:37:18	2.6 million	20 thousand	0
Shakemap	1		2.2	realtime	2017-11-12 19:42:45	340 thousand	340 thousand	0

(*) Modified Mercalli Intensity

Earthquake impact details

Population

Radius	Population
100 km	2.4 million people
75 km	1 million people
50 km	340000 people
20 km	19000 people
10 km	3900 people
5 km	<1000 people
2 km	<1000 people



Meteo tab: current and forecast



GDACS

Global Disaster Alert and Coordination System

HOME

ALERTS



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ABOUT GDACS

GDACS is a cooperation framework between the United Nations, the European Commission and disaster managers worldwide to improve alerts, information exchange and coordination in the first phase after major sudden-onset disasters.



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Overall Orange alert Tropical Cyclone for ELIAKIM-18

in Madagascar

Summary

Impact

GTS

Media

Resources

Event Summary

Tropical Cyclone ELIAKIM-18 can have a medium humanitarian impact based on the Maximum sustained wind speed and the affected population and their vulnerability.

Updated: this report is based on advisory number 21: (20 Mar 2018 05:48).

- Tropical Cyclone Tropical Storm (maximum wind speed of 102 km/h)
- from 15 Mar 2018 00:00 UTC to 20 Mar 2018 00:00 UTC
- Population affected by Category 1 (120 km/h) wind speeds or higher is 0
- inserted at 20 Mar 2018 02:18:53 UTC

Weather forecast Center for the affected area

Direction de la Météorologie et de l'Hydrologie
National Hydrometeorological Service of Madagascar
<http://www.meteomadagascar.mg>

Wind

Precipitation

Temp Min

Temp Max

Interactive Map

Forecast of 2018031906 (f000)



Source: NOAA-GFS

2018-03-19 14:50:58

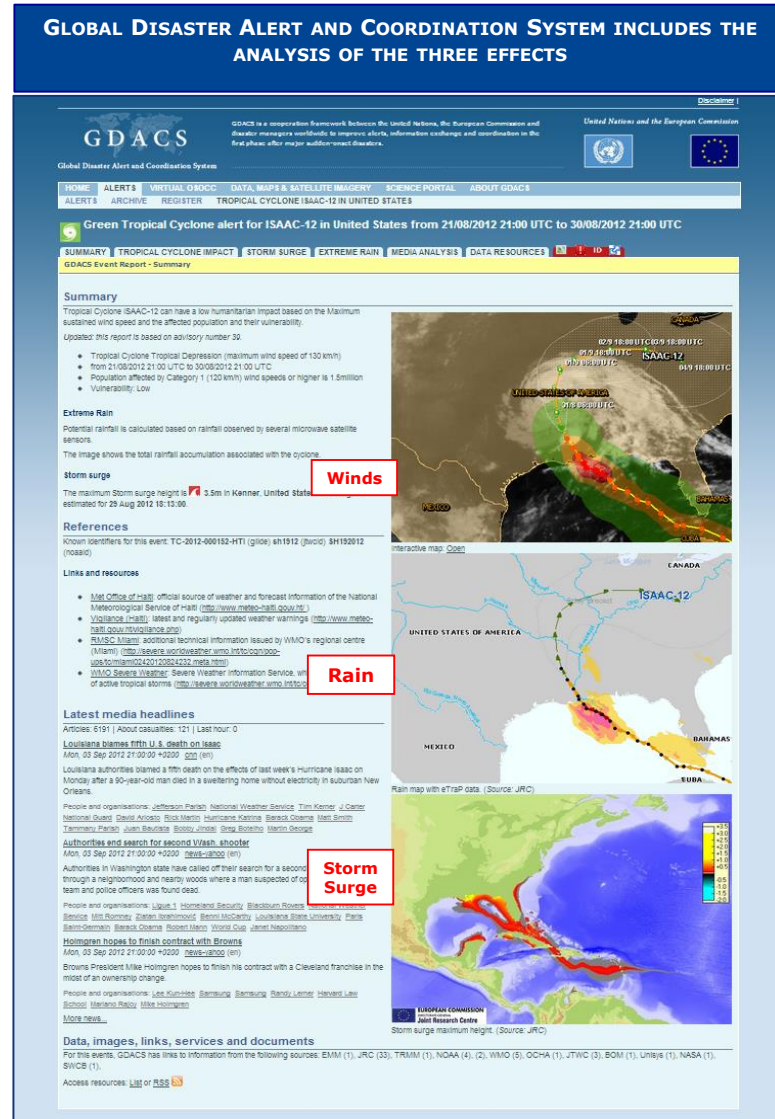
Meteo Assessment +

Situation 19/03/2018
(19 Mar 2018 15:50)

- Tropical Cyclone ELIAKIM moved over Sava, Analanjoro and Antsinanana regions on 16-18 March. It then continued moving off the central and southeastern coast of Madagascar as a Tropical Storm. On 19 March at 0.00 UTC, its centre was located 130 km south-east of Manakara (Vatovavy-Fitovinany) and had maximum sustained winds of 83 km/h.
- Over the next 24 hours, it is forecast to keep heading southeast away from land, strengthening. Heavy rain and strong winds may still affect northern, central and southern Madagascar and La Reunion over 19-20 March. Meteo Madagascar has published a red alert for strong winds in the southeastern areas of the country. Meteo France La Reunion has issued an orange alert for strong winds for the southwestern areas of the island.
- Copernicus Emergency Management Service was activated on 16 March.
- Local media reported, as of 19 March, that 17 people have been killed, over 6 200 people have been evacuated and over 1 500 houses have been damaged in the regions of Analanjoro and Antsinanana. National authorities also reported that the access to the affected areas may be a major constraint due to a large number of landslides and flooded roads.

Meteorological assessment

If it could arrive from national or regional services would be great



TROPICAL CYCLONES: NEW METHODOLOGY

Analysis of the impact of the three dangerous effects: strong wind, heavy rain and storm surge

NEW

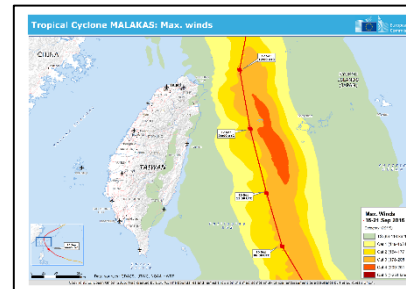
New Methodology

- New atmospheric data:
→ NOAA HWRF, NOAA GFS, ECMWF
- New wind & rainfall classifications

CATEGORY		1-min Sustained Winds	
		knots	km/h
Hurricane	Cat. 5	≥ 137	≥ 252
	Cat. 4	113 - 136	209 - 251
	Cat. 3	96 - 112	178 - 208
	Cat. 2	83 - 95	154 - 177
	Cat. 1	64 - 82	119 - 153
Tropical Storm		34 - 63	63 - 118
Tropical Depression		≤ 33	≤ 62

- New storm surge calculations: *Delft3D*

- New Alert System Under development



WIND

NEW WIND IMPACT

Based on the Saffir Simpson Scale

NEW INPUT

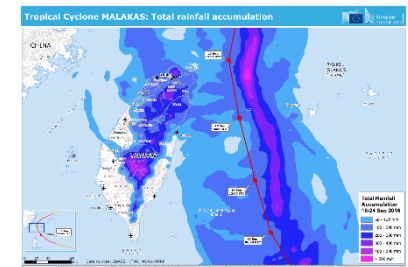
NOAA
ECMWF

RAINFALL

NEW INPUT

NOAA
ECMWF

NEW ALERT LEVEL



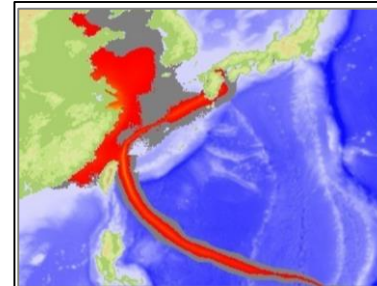
STORM SURGE

NEW SOLVERS

Delft3D, ...

NEW INPUT

NOAA
ECMWF



New approach for uncertainties

TROPICAL CYCLONES IN GDACS: NEW TABS



NEW TC IMPACT ANALYSIS: WIND, RAINFALL AND STORM SURGE



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Global Disaster Alert and Coordination System

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**Overall Red alert Tropical Cyclone for IRMA-17**
in United States, Bahamas, Cuba, Turks and Caicos Islands, Dominican Republic, Puerto Rico, Virgin Islands, U.S., Virgin Islands, British, Anguilla, Saint Kitts and Nevis, Antigua and Barbuda

Summary Tropical Cyclone **HWRF GFS ECMWF** Media Resources

**Orange alert for storm surge impact based on GFS source**

The JRC has developed an experimental global storm surge model, which is run after each advisory issued by the regional tropical cyclone centres. The calculations are published about 20 minutes after a new advisory is detected by GDACS. The calculations identify the populated places affected by storm surge up to three days in advance, using the forecasted track. When forecasts change, the associated storm surge changes too and alert levels may go up or down.

This report is for advisory number 52 of tropical cyclone IRMA-17 issued at 12 Sep 2017 3:00:00 (GDACS Event ID 1000393). However, the calculation for advisory number is not completed. Therefore, the latest available calculation is shown. All links, data, statistics and maps refer to the latest available calculation.

Summary

Population affected by cyclone-strength	No people affected
winds (>120km/h):	
Saffir-Simpson Category:	Category 1
Maximum sustained wind speed:	148 Km/h
Maximum Storm surge height is:	2.0m in High Point, United States.

Storm surge

View animation and affected locations in an interactive map: [open](#)



Storm surge maximum height (Source: JRC)

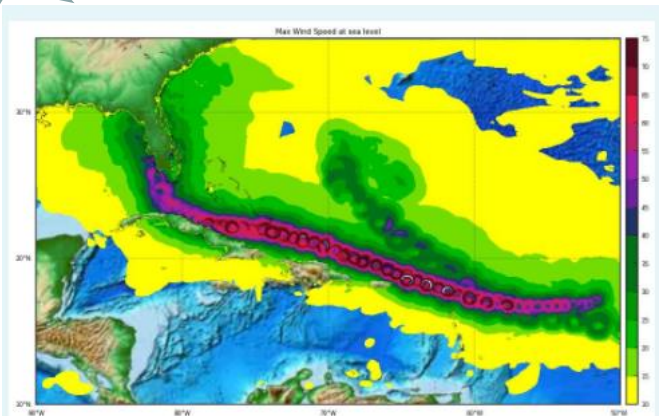


Max windspeed (Source: GFS)

<http://www.gdacs.org/report.aspx?eventtype=TC&eventid=1000393&ss=true>

WIND

NEW



Max windspeed (Source: HWRf)

Legend
 ● people affected < 10000
 ● people affected > 10000 and < 100000
 ● people affected > 100000

Calculation	Alert color	Date (UTC)	Wind speed	Population affected	TS	CAT. 1	CAT. 2	CAT. 3	CAT. 4	CAT. 5	Countries
1	Green	20170930.12	69 km/h (142 mph)	No people	+	X	X	X	X	X	Canada
2	Red	20170904.06	205 km/h (127 mph)	130 thousand	●	●	+	+	X	X	Puerto Rico, Virgin Islands, British Virgin Islands, Saba (Netherlands), Sint Eustatius (Netherlands), Saint Kitts and Nevis, Antigua and Barbuda, Montserrat, Guadeloupe (France), British Virgin Islands, Saint Martin, Sint Maarten, Saint Barthélemy, Antigua and Barbuda, British Virgin Islands, Anguilla, Saint Martin, Antigua and Barbuda, British Virgin Islands, Anguilla, Antigua and Barbuda
3	Red	20170904.12	225 km/h (139 mph)	90 thousand	●	●	+	+	●	X	Dominican Republic, Puerto Rico, Virgin Islands, Saint Martin, Sint Maarten, Saint Barthélemy, Antigua and Barbuda, Saba (Netherlands), Sint Eustatius (Netherlands), Saint Kitts and Nevis, British Virgin Islands, Saint Martin, Saint Barthélemy, Antigua and Barbuda, Anguilla, British Virgin Islands, Anguilla
4	Orange	20170904.18	144 km/h (99 mph)	30 thousand	●	●	X	X	X	X	Turks and Caicos Islands, Dominican Republic, British Virgin Islands, Puerto Rico, Anguilla, Saint Martin, Sint Maarten, Saint Barthélemy, Antigua and Barbuda, Saba (Netherlands), Sint Eustatius (Netherlands), Saint Kitts and Nevis, Turks and Caicos Islands, Anguilla
5	Orange	20170905.09	148 km/h (92 mph)	20 thousand	●	●	X	X	X	X	The Bahamas, Turks and Caicos Islands, British Virgin Islands, Anguilla, Saint Martin, Sint Maarten, Saint Barthélemy, Antigua and Barbuda, Saba (Netherlands), Sint Eustatius (Netherlands), Saint Kitts and Nevis
6	Red	20170905.06	218 km/h (135 mph)	140 thousand	●	●	●	●	+	X	The Bahamas, Turks and Caicos Islands, Dominican Republic, British Virgin Islands, Puerto Rico, Saba (Netherlands), Antigua and Barbuda, Sint Eustatius (Netherlands), Saint Kitts and Nevis, Montserrat, Turks and Caicos Islands, The Bahamas, British Virgin Islands, Anguilla, Saint Martin, Sint Maarten, Saint Barthélemy, Antigua and Barbuda, The Bahamas, Turks and Caicos Islands, Anguilla
7	Red	20170905.12	245 km/h (152 mph)	150 thousand	●	●	●	●	●	X	The Bahamas, Turks and Caicos Islands, Cuba, Dominican Republic, Haiti, Puerto Rico, British Virgin Islands, Saba (Netherlands), Sint Eustatius (Netherlands), Saint Kitts and Nevis, Antigua and Barbuda, Montserrat, Guadeloupe (France), The Bahamas, Turks and Caicos Islands, British Virgin Islands, Sint Maarten, Saint Barthélemy, Antigua and Barbuda, The Bahamas, Turks and Caicos Islands, British Virgin Islands, Anguilla, Turks and Caicos Islands, The Bahamas, British Virgin Islands, Anguilla, Antigua and Barbuda

NEW WIND CLASSIFICATION

STORM SURGE

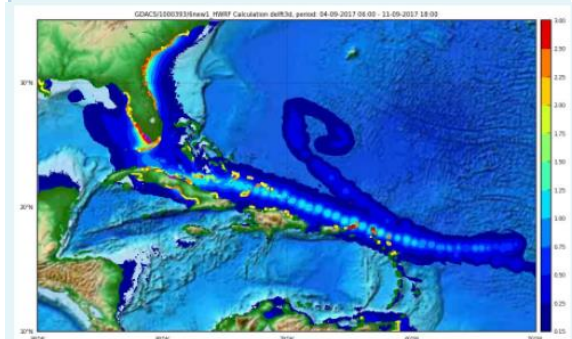
NEW

Orange alert for storm surge impact based on HWRf source

Summary

Current impact estimate

- Population affected by cyclone-strength winds (>120km/h): No People
- Saffir-Simpson Category: Tropical storm
- Maximum sustained wind speed: 91 Km/h
- The maximum Storm surge height is 2.3m in Road Town, British Virgin Islands. This height is estimated for 06 Sep 2017 19:00:00.



Storm surge maximum height (Source: JRC)

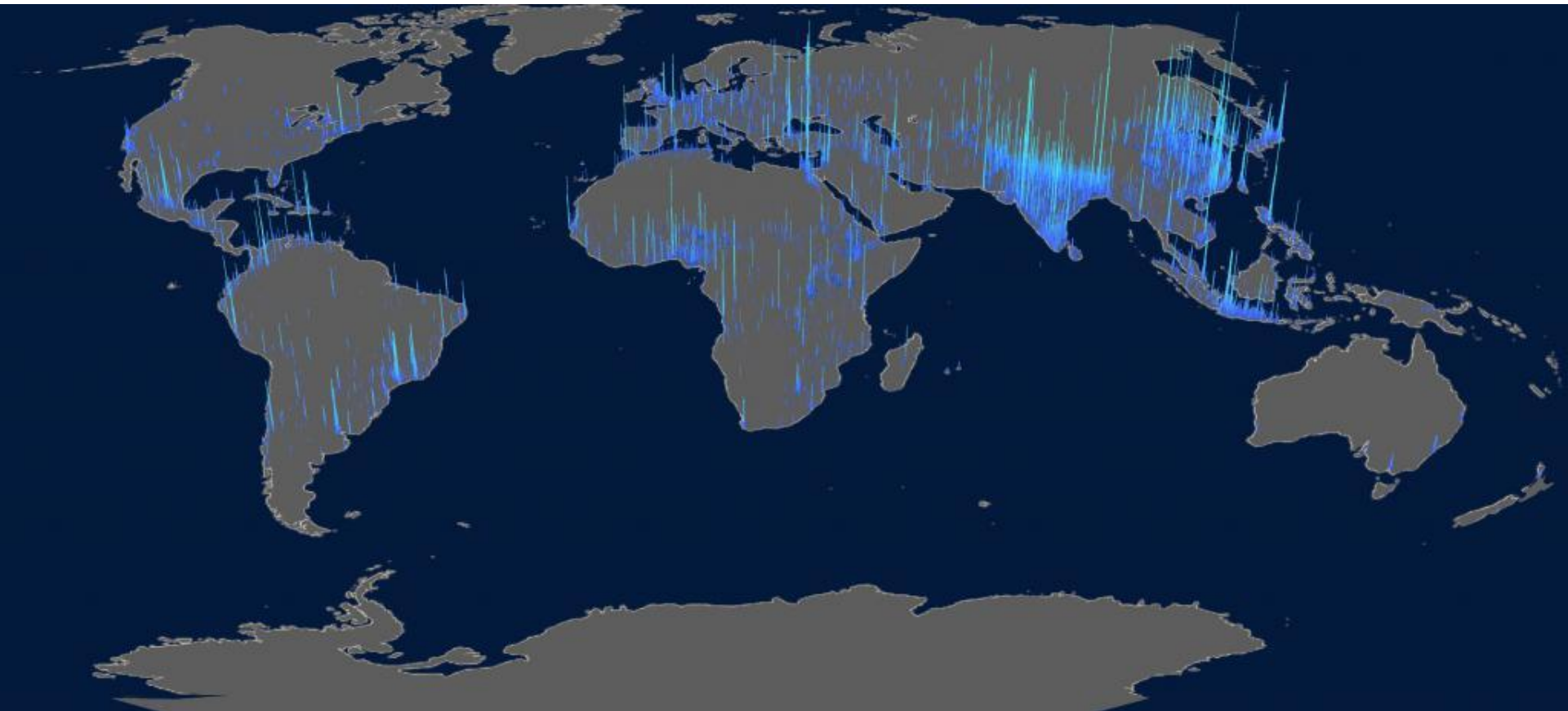
Affected locations

Locations affected by Storm surge (15 of 2150)
 Calculation based on advisory number of 12 Sep 2017 00:00.
 (Simulation using minute resolution)

Date	Name	Country	Storm surge height (m)
06 Sep 2017 19:00:00	<u>Road Town</u>	British Virgin Islands	2.3m
06 Sep 2017 19:00:00	<u>Pacham Town</u>	British Virgin Islands	2.3m
06 Sep 2017 19:00:00	<u>Spanish Town</u>	British Virgin Islands	2.3m
06 Sep 2017 18:30:00	<u>Adelphi</u>	Virgin Islands	2.3m
06 Sep 2017 18:30:00	<u>Neltieberg</u>	Virgin Islands	2.3m
06 Sep 2017 18:30:00	<u>Cabritaberg</u>	Virgin Islands	2.3m
06 Sep 2017 18:30:00	<u>Barrett</u>	Virgin Islands	2.3m
06 Sep 2017 18:30:00	<u>Charlotte Amalie</u>	Virgin Islands	2.3m
06 Sep 2017 18:30:00	<u>Enighed</u>	Virgin Islands	2.3m
06 Sep 2017 18:30:00	<u>Bellevue</u>	Virgin Islands	2.3m
06 Sep 2017 18:30:00	<u>Mandal</u>	Virgin Islands	2.3m
06 Sep 2017 18:30:00	<u>Bolongo</u>	Virgin Islands	2.3m
06 Sep 2017 18:30:00	<u>Donoe</u>	Virgin Islands	2.3m
06 Sep 2017 18:30:00	<u>Benner</u>	Virgin Islands	2.3m

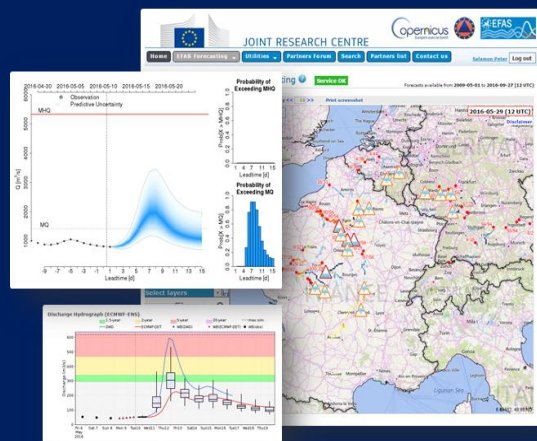
See full locations list (RSS)

New Exposure dataset: the Global Human Settlement Layer



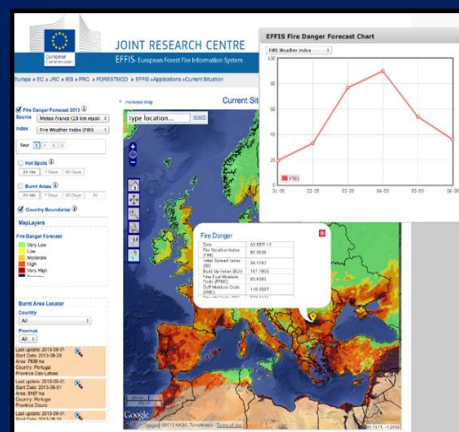
<http://ghsl.jrc.ec.europa.eu/>

2018 GDACS+ Fostering the MH-Approach



European Flood Awareness System (EFAS)

GLOFAS: Global Flood Awareness System
GEO CA-28 community on Global Flood Risk Monitoring

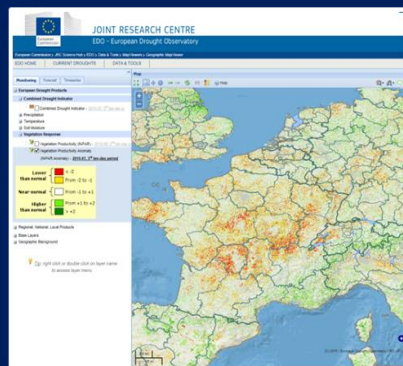


European Forest Fire Information System (EFFIS)

GWIS: Global Wildfire Information System



European Civil
Protection
Mechanism



**European Drought Observatory (EDO –
ongoing EMS service evolution)**

GEO CA-16 community on Global Drought Information System



Global Disaster Alert and Coordination System (GDACS)

Earthquakes, tsunamis, cyclones, high-impact weather events

How can we benefit from existing network to cover other natural disasters in GDACS+



Earthquakes

Tsunami

Tropical Cyclones

Include Uncertainties
Include NATECH analyses

NEW

Floods forecast (Glofas)

- Forecast of major events
- Follow-up of current events

Forest Fires (GWIS)

- Forest Fire index for forecast
- Current events listed by importance: how to evaluate ?

Draughts (EDO)

- Long term forecast
- Current events

Meteo
Tab

GDACS+: multi risk approach

GDACS

Global Disaster Alert and Coordination System

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ALERTS

VIRTUAL OSOC

MAPS & SATELLITE IMAGERY

SCIENCE PORTAL

ABOUT GDACS

Latest news

GDACS Earthquake Alerts: the new Seismic Alerting Algorithm is operational

Latest alerts overview UTC time



Map of disaster alerts in the past 4 days. Last 24 hours events are highlighted in yellow. Small earthquakes are shown as green boxes.
European Union, 2015. Map produced by EC-JRC. The boundaries and the names shown on this map do not imply official endorsement or acceptance by the European Union.

EARTHQUAKES



Guatemala
5.8M - 2 Aug 23:40



South Of Fiji Islan..
5.8M - 2 Aug 23:40



Russian Federation
5.8M - 2 Aug 23:40



Italy
5.8M - 2 Aug 23:40



Chile
5.8M - 2 Aug 23:40

TROPICAL CYCLONES



IRVING-18 - Mexico
200km/h - 2 Aug 23:40



IRVING-18 Honduras
160km/h - 2 Aug 23:40



IRVING-18 - United..
145km/h - 2 Aug 23:40

FLOODS



Pakistan
2 Aug 23:40: UTC



South Of Fiji Islan..
2 Aug 23:40: UTC



Indonesia
2 Aug 23:40: UTC



Indonesia
2 Aug 23:40: UTC

FOREST FIRES



Spain
4 Aug 23:40: UTC



Australia
4 Aug 23:40: UTC



Indonesia
2 Aug 23:40: UTC

DROUGHTS



Indonesia
2 Aug 23:40: UTC



South Of Fiji Islan..
2 Aug 23:40: UTC



Niger
2 Aug 23:40: UTC



Iran
(5.8) 2 Aug 23:40: UTC

VULCANOES



Indonesia
(5.8) 2 Aug 23:40: UTC



South Of Fiji Islan..
(5.8) 2 Aug 23:40: UTC



Iceland
(5.8) 2 Aug 23:40: UTC



Indonesia
(5.8) 2 Aug 23:40: UTC

VIEW MORE

Virtual OSOCC

Recent and open emergencies

updated: 14-Nov-2017



Mexico
(5.8) 2 Aug 23:40: UTC



7.9M Earthquake in Nepal
(5.8) 2 Aug 23:40: UTC



Chile - floods
(5.8) 2 Aug 23:40: UTC



Indonesia
(5.8) 2 Aug 23:40: UTC

VIEW MORE

Maps and satellite imagery



First Light from GOES-16

The future of weather monitoring and forecasting just got more colorful and a whole lot clearer.



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GDACS News and documents

GDACS Earthquake Alerts: the new Seismic Alerting Algorithm is operational

Sept 2017, GDACS includes a new algorithm to assess the overall impact of earthquakes

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Sept 2017, GDACS includes a new algorithm to assess the overall impact of earthquakes

Post Event Tsunami Survey for the Kos/Bodrum event of 20th Jul 2017

Sept 2017, GDACS includes a new algorithm to assess the overall impact of earthquakes

GDACS Earthquake Alerts: the new Seismic Alerting Algorithm is operational

Sept 2017, GDACS includes a new algorithm to assess the overall impact of earthquakes

Continuous update from the other systems

Demo of GDACS

Papua New Guinea EQ:

<http://www.gdacs.org/report.aspx?eventtype=EQ&eventid=1135798&episodeid=1200561>

Eliakim 18 TC:

<http://www.gdacs.org/report.aspx?eventtype=TC&eventid=1000441&episodeid=23>

Discussion (cont)



- GDACS system has been, till now, the only global system that accounts for
 - Impact extent
 - Vulnerability
 - Coping Capacity
 - News and social media
- GDACS is the decision support tool for the Humanitarian Community
- GDACS is part of the EU Emergency Response and Coordination Center SOPs
- Important plans to integrate other natural disasters in the GDACS+ initiative (Floods, Droughts included already, Forest Fires will be included in 2020)

**Thanks for
the attention**

Alessandro, Peter

A solid blue square located at the bottom center of the slide.