

*17th TWG-DRS Meeting
Producing statistics for disaster occurrences
27 April 2022*

GLIDE and Disaster Related Statistics

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Background and Objectives

Different databases on disaster-related information

Different criteria and definitions (ex hazard, damage)

A disaster event affecting multiple countries and areas with different local names

A disaster event causing multiple disasters

Need for a coordination mechanism to identify disasters

The GLIDE (GLobal unique disaster IDentifier) was developed as a tool to allow anyone to easily share disaster information provided by various organizations around the world over 20 years ago



GLIDE Overview

Global initiative to identify disasters in the world

Operated and supported by global partners

Expressed in a simple combination of hazard-year-serial no. -country

TC-2022-000197-PHL

GLIDE Search

Select Continent: Any, Africa, Americas, Asia, Europe, Oceania

Select Country: Any, Afghanistan, Albania, Algeria, American Samoa, Angola, Anguilla, Antigua & Barbuda

Select Event: Any, CW - Cold Wave, CE - Complex Emergency, DR - Drought, EQ - Earthquake, EP - Epidemic, EC - Extratropical Cyclone, ET - Extreme temperature(use CW/HW instead)

Search Results: 7522 hits 301 Pages: 1 2 3 4 5 6 7 8 9 10

GLIDENumber	Event	Country	Comments
EP-2022-000203-ZMB	Epidemic	Zambia	On 11 April 2022, a cholera outbreak was declared in Zambia with its index case reported in Mtendere compound which has a population of 106,128 within Chelstone Subdistrict and Matero with a population of 356,462, within Lusaka. The index case involved 3-year-old girl who presented with signs and symptoms suggestive of cholera; results later confirmed the presence of vibrio Cholerae in stool. The patient was admitted at Kalingalinga Clinic, a local health facility where she was treated and discharged. By 18 April 2022, the outbreak had spread to other areas within Lusaka with a cumulative total of 16 suspected cases of which 8 were confirmed, distributed as follows: Lusaka Province - 7 (Lusaka District 12) - Mtendere 4, Kabangwe 1, Kamwala 1 and Matero 1), Chilanga District (Midles-west 2, Apolot, and ZESCO Kalundu 2), Northern Province 5 (Nsama District - Nsumbu 5). These are densely populated areas which lack adequate sanitation and access to clean and safe water, posing a danger for further spread of the epidemic. No fatalities have been reported to date.
EP-2022-000202-COD	Epidemic	Congo Democratic Republic	Since January, the locality of Iruji is experiencing a resurgence of Plague. On 04 April 2022, the Provincial Health Division (DPS) of Iruji Province officially declared a resurgence of the Bubonic Plague epidemic in the Rethy health zone in Djugu territory. According to the authorities, the history of this disease in the Rethy health zone goes back to more than 9 outbreaks, and the eighth one dates back to January, 2022 in the UKETHA health area. On 07/04/2022, the epidemiological situation was as follows: 31 notified cases of which only 13 were tested, 2 deaths and nearly 2,000 contacts listed in the absence of local reactivity. The epicentre of the plague disease is in the Health Areas of Lokola, Rassia and Ukisha, which are home to the 3 confirmed

<https://glidenumber.net/glide/public/search/search.jsp>

CW - Cold Wave	EQ - Earthquake	Cyclone	HT - Heat Wave	MS - Mud Slide	AV - Snow Avalanche	Disaster
CE - Complex Emergency	EP - Epidemic	FR - Fire	IN - Insect Infestation	OT - Other Local Storm	SS - Storm Surge	TO - Tornado
DR - Drought	EC - Extra-tropical	FL - Flood	LS - Land Slide	AC - Tech.	TS - Tsunami	TC - Tropical Cyclone



ADRC Disaster Information Ex. Tropical Storm Megi (Agaton)



HOME About ADRC Activities Disaster Information DRR Information of Member Countries Events

Philippines (the): Tropical Storm: 2022/04/10

GLIDE: [TC-2022-000197-PHL](#)

Period	2022/04/10
Country or District	Philippines (the)
Event Type	Tropical Storm
Outline	Philippine authorities said on 11 April 2022 at least 25 people had died in landslides and floods caused by tropical storm Megi as it hit the eastern and southern coasts of the country.

Summary

Human Impact

Deaths: 224
Missing: 147
Injured: 8
Affected people: 2,081,011 (599,956 households)

Physical Impact

Totally destroyed houses: 760
Partially damaged houses: 10,519

Others

Country Information on DRR

reliefweb

GDACS
Global Disaster Alert and Coordination System

Tropical Storm Agaton - Apr 2022

Status: ● Ongoing - Glide: TC-2022-000197-PHL

OVERVIEW

Disaster description

Affected Countries

LATEST

Latest Updates
Maps and Infographics
Most Read

OTHER

Related Disasters

Disaster description

As of 18 April, the National Disaster Risk Reduction and Management Council (NDRRMC) reported that the impacts of Tropical Cyclone MEGI (local name: Agaton) in the Philippines has reached 584,100 families (2.01 million persons) affected, 172 deaths, 110 missing, 8 injured, 346,600 displaced, and damaged 10,400 houses, 309 roads, and 15 bridges. Damages to infrastructure amounting to 139,000 USD and agriculture amounting to 5 million USD. In response, 1.01 million USD worth of assistance have already been provided to those affected by the effects of Tropical Cyclone MEGI in the Philippines. As of reporting, a total of 16 cities/municipalities have declared a state of calamity related to the impacts of Tropical Cyclone MEGI. According to the NDRRMC, all operations are being managed at the regional level with support from the national. ([AHA Centre, 18 Apr 2022](#))

The passage of Tropical Storm MEGI on 10-11 April over the Eastern Visayas Region (central-eastern Philippines) caused floods and landslides, which resulted in casualties and damage across the central and southern Philippines, particularly in the Visayas Region. According to the Philippines National Disaster Risk Reduction and Management Council (NDRRMC), 175 people have died (156 of which in Eastern Visayas), 110 are missing and 8 others have been injured. As per the latest reports of 19 April, there are approximately 307,500 people displaced, while more than 2 Million persons have been affected. About 11,300 houses, 58 road sections and eight bridges have been damaged or

GDACS
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.

HOME ALERTS VIRTUAL OSOCC MAPS & SATELLITE IMAGERY KNOWLEDGE ABOUT

Overall Green alert Tropical Cyclone for MEGI-22
in Philippines

Summary Impact Meteo GTS Maps & Reports Media Resources Covid19

Event summary

Tropical Cyclone **MEGI-22** can have a low humanitarian impact based on the maximum sustained wind speed, exposed population and vulnerability.

GDACS ID	TC 1000879
Name	MEGI-22
From - To	09 Apr - 11 Apr
Exposed countries	Philippines
Exposed population	No people in Category 1 or higher
Maximum wind speed	74 km/h Tropical storm
Maximum storm surge	0.4 m (10 Apr 11:00 UTC)
Vulnerability	Medium (Philippines)

GDACS Score

0.5

For more info on GDACS alert score click here.

	Wind	Storm surge	Rainfall	GDACS score
GDACS JTWC	46 km/h	n.a.	n.a.	0.5

Maximum expected impact (wind, storm surge & rainfall)

TC-2022-000197

https://www.adrc.asia/view_disaster_en.php?NationCode=608&Lang=en&Key=25261



2022-04-12

Flood and Landslide in Philippines on 12 April, 2022

Emergency Obs. Request Information



Disaster Type: Flood and Landslide
 Country: Philippines
 Occurrence Date (UTC): 12 April, 2022
 SA activation Date (UTC): 12 April, 2022
 Requester: Manila Observatory (MO)
 Escalation to the International Charter: No
 GLIDE Number: TO-2022-000197-PHL

Disaster Situation

<https://www.cnnphilippines.com/news/2022/4/11/Agaton-PAGASA-weather-update.html>

Product

AIT



2022-04-16
 DETECTED WATER IN LEYTE PROVINCE, PHILIPPINES
 As observed by ALOS-2 Image on 16 April 2022

2022-04-16
 DETECTED WATER IN LEYTE PROVINCE, PHILIPPINES
 As observed by ALOS-2 Image on 16 April 2022

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VIEW

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MBRSC



2022-04-16
 Flood map Omoc City, Leyte-Philippines
 As Observed by Sentinel 2 on 16 April, 2022

2022-04-16
 Flood map Tacloban City, Leyte-Philippines
 As Observed by Sentinel 2 on 16 April, 2022

2022-04-16
 Flood map Tacloban City, Leyte-Philippines
 As Observed by Sentinel 2 on 16 April, 2022

2022-04-16
 Flood map Omoc, Tacloban, Leyte-Philippines
 As Observed by Sentinel 2 on 16 April, 2022

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PHILIPPINES, GLIDE NUMBER: FL20220412PHL

- Preliminary Satellite-derived, Flood And Landslide Assessment, Region VI and Region VII 21 Apr 2022 - 12:27
- Preliminary Satellite-derived Flood and Landslide Assessment, Leyte and Southern Leyte Provinces, Philippines 19 Apr 2022 - 12:45

UKRAINE, GLIDE NUMBER: CE20220223UKR

- Irpin Building Damage Assessment Overview Map 14 Apr 2022 - 23:07
- Western Kyiv Rapid Damage Assessment Overview Map 12 Apr 2022 - 00:08
- Horenka Rapid Damage Assessment Overview Map 11 Apr 2022 - 23:00
- Bucha Building Damage Assessment Overview Map 08 Apr 2022 - 23:32
- Irpin Rapid Damage Assessment Overview Map 07 Apr 2022 - 17:52
- Hostomel Rapid Damage Assessment Overview Map 07 Apr 2022 - 01:13
- Donetsk Rapid Damage Assessment Overview Map 06 Apr 2022 - 00:56
- Bucha Rapid Damage Assessment Overview Map 06 Apr 2022 - 00:14
- Mariupol Updated Rapid Damage Assessment Overview Map 05 Apr 2022 - 23:33
- Mariupol-Donetsk Highway Rapid Damage Assessment Overview Map 03 Apr 2022 - 00:52
- Chernihiv Rapid Damage Assessment Overview Map 03 Apr 2022 - 00:00
- Mariupol Rapid Damage Assessment Overview Map 01 Apr 2022 - 23:29
- North Kharkiv Rapid Damage Assessment Overview Map 30 Mar 2022 - 01:24
- Sumy Rapid Damage Assessment Overview Map 30 Mar 2022 - 01:16
- Damage Assessment Overview Map - Livoberezhnyi and Zhovtnevyi Districts, Mariupol City, Ukraine 18 Mar 2022 - 17:58

INDONESIA, GLIDE NUMBER: LS20220308IDN

- Preliminary Satellite-derived Landslide Impact Assessment, Mount Talakmau In Sumatra Barat, Indonesia, 24 Mar. 2022 25 Mar 2022 - 09:55

Satellite data and map services

Sentinel Asia (left) and UNOSAT (right)



GLIDE NUMBER IN ASEAN COUNTRIES

Glide Number	Description	Date
FL-2022-000198-PHL	GDACS - Medium in Philippines	2022-4-11
TC-2022-000197-PHL	Tropical Depression MEGI (named "Agaton" in the Philippines) formed over the western Philippine Sea on 9 April as a tropical low and on 10 April, intensified as a tropical storm approaching Eastern Samar (Eastern Visayas Region, central Philippines). On 11 April at 2.00 UTC, its centre was located offshore over the coastal waters of Tanauan (Leyte Province, Eastern Visayas Region) in the Leyte Gulf with maximum sustained winds of 45 km/h (tropical depression). According to the authorities, following the passage of MEGI, one person has died, and another is missing in Davao Region, while two people have been injured in Northern Mindanao. In addition, 15,326 people have been displaced and 136,400 affected across nine Regions.	2022-4-11
EQ-2022-000188-PHL	Medium humanitarian impact, magnitude 5.3M	
FL-2022-000180-THA	Heavy rain has also affected southern Thailand over the last few days, resulting in floods in the provinces of Nakhon Si Thammarat, Narathiwat, Pattani, Phatthalung, Songkhla, Trang and Yala. Thai Meteorological Department reported 194 mm of rain fall in Pattani in 24 hours.	





LATEST NEWS ON DISASTER RISK REDUCTION

Madagascar: Floods and Landslides - Jan 2022

Affected country: Madagascar Glide: ST-2022-000138-MDG

Intense rainfall caused by two different tropical weather systems which have impacted Madagascar over the last week has driven flooding, landslides, destruction of infrastructure and loss of life, particularly affecting the country's capital Antananarivo...

ReliefWeb Disaster News on Monday, 17 January 2022

Afghanistan: Earthquake - Jan 2022

Affected country: Afghanistan Glide: EQ-2022-000008-AFG

A 5.3 magnitude earthquake struck in Qadis District, Badghis Province in the Western Region of Afghanistan at 16:10 local time (UTC+4:30) on 17 January 2022. The earthquake was preceded by a smaller earthquake and was felt in Badghis, Ghor and Hirat Provinces...

ReliefWeb Disaster News on Monday, 17 January 2022

Zambia: Flash Floods - Jan 2022

Affected country: Zambia Glide: FL-2022-000135-ZMB

Most parts of Zambia started receiving heavy rains on 11 of January 2022. On the 16 of January 2022, Kalomo, Namwala and Choma districts of the Southern Province started experiencing flash floods. According to the needs assessment report issued by the Zambian...

ReliefWeb Disaster News on Sunday, 16 January 2022

Tonga: Volcanic Eruption and Tsunami - Jan 2022

Affected countries: Fiji, Japan, Peru, Samoa, Tonga Glide: VO-2022-000005-TON

A large eruption of the Hunga Tonga Hunga Ha-apai underwater volcano in the evening of 15 January (at 17:26 local time) caused a tsunami and ash fall in Tonga (total pop. 105,000 people). The volcanic eruption has continued throughout...

ReliefWeb Disaster News on Saturday, 15 January 2022

LATEST DISASTER ALERTS



© 2016 United Nations / European Union. Map of disaster alerts in the past 4 days. Last 24 hours events are highlighted in yellow. Small earthquakes are shown as green boxes. Retrieved from the Global Disaster Alert and Coordination System.

Green forest fire alert in India

19 April 2022

Green forest fire alert in Sierra L

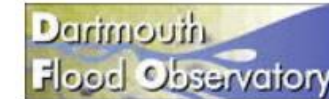
19 April 2022

Green forest fire alert in Mexico

19 April 2022



Partner Organizations



International and regional organizations, national organizations, academia



System

- Operation

Issued by operators of partner organizations via GLIDE website

Shared to some 2000 subscribers

- Management

Steering Committee (Chair: Prof. Ono, Tohoku University)

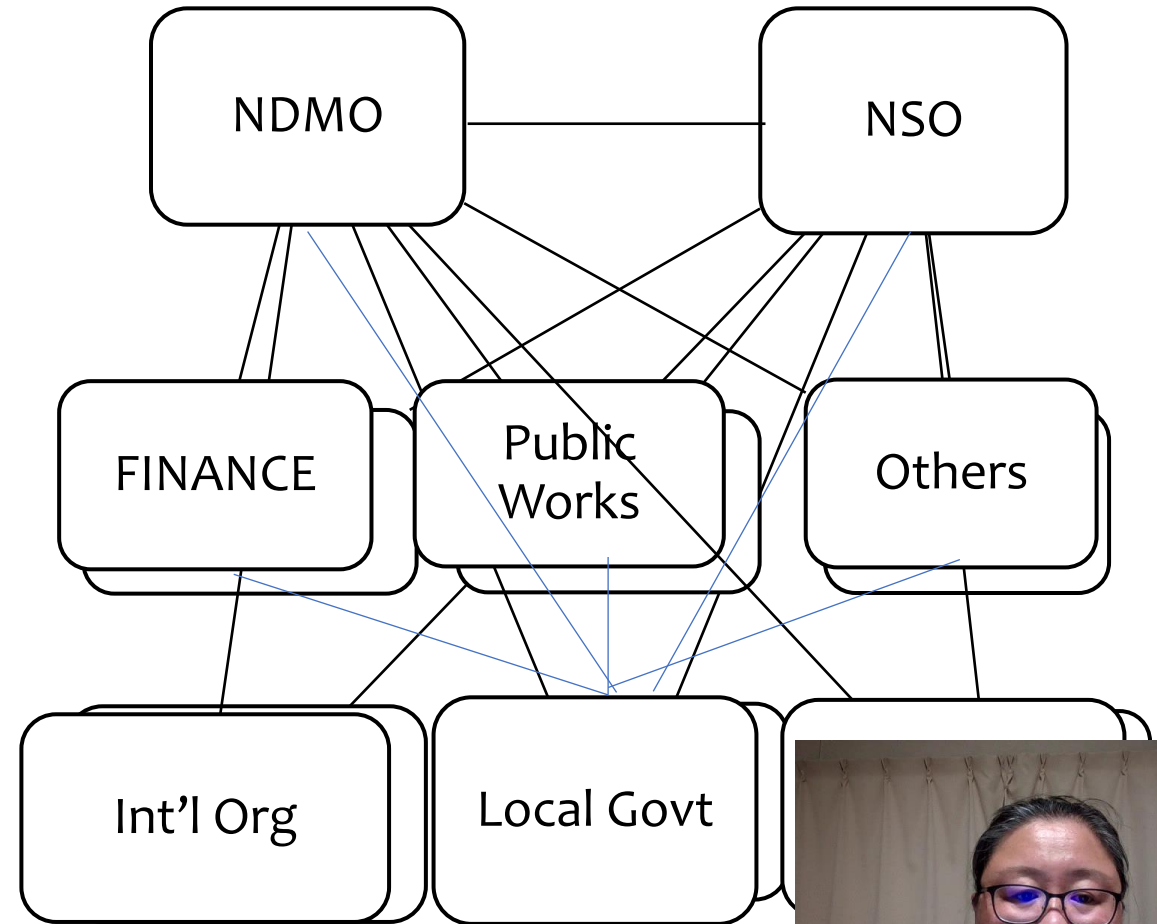
Subcommittees (SOP, API, Product Development)

Secretariat: ADRC



GLIDE and Disaster-related Statistics

“Presently, countries have different practices for compiling data and preparing statistical tables related to disasters, which makes it difficult to make comparisons or conduct time series analyses covering multiple disasters” (DRSF2018)



For Disaster Related Statistics

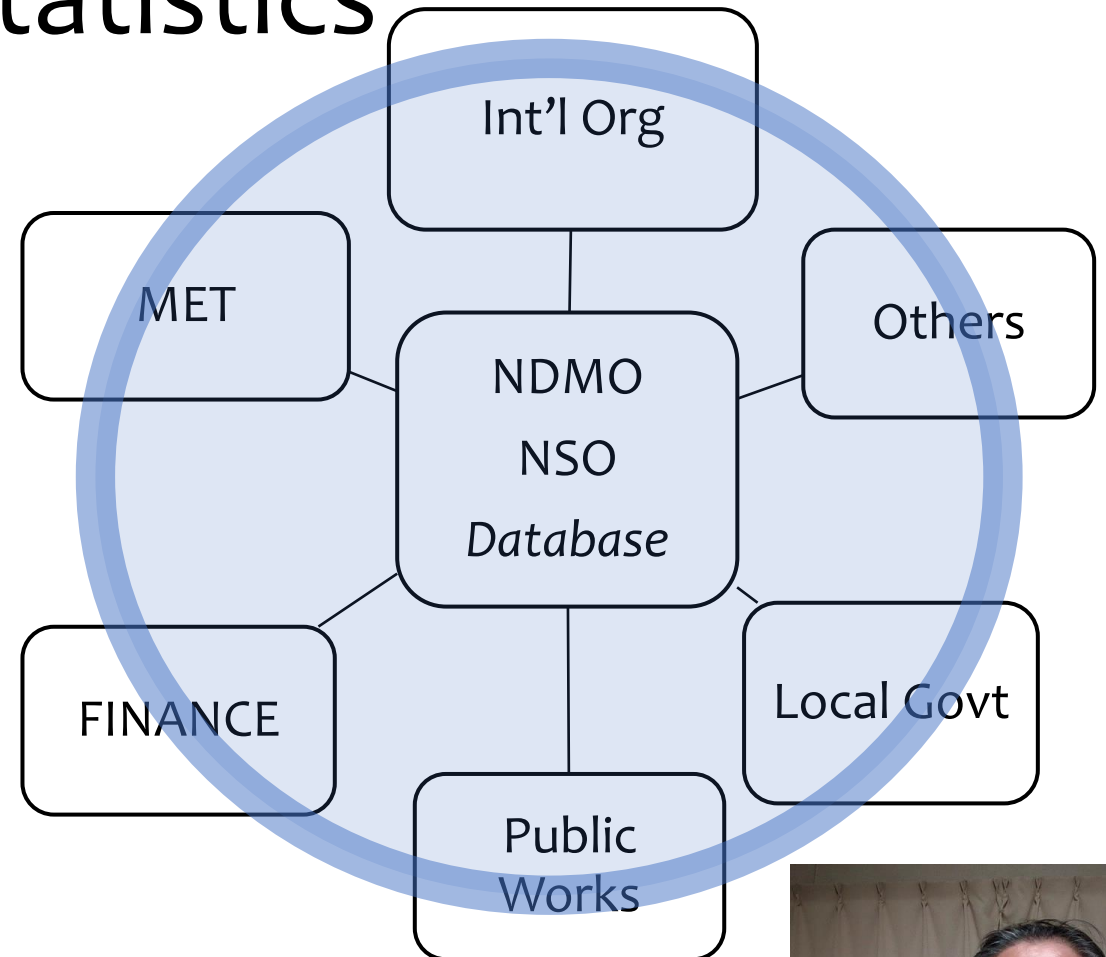
GLIDE enables:

Facilitation of data integration with various information sources

Application to all disaster phases and fields

Contribution to reporting of international initiatives, such as SFM, SDGs

For speedy connection with development of API



GLIDE links informa

