



GDACS exercises

Earthquake exercise

- ▶ Your boss is particularly interested in an earthquake occurred in Chile in 2015. He mentioned sometimes in fall 2015
- ▶ He would like to create a small report, describing
 - ▶ When it happen
 - ▶ The consequences of it
 - ▶ How much people could have been involved
 - ▶ If a Tsunami occurred





Today is 14 Sep 2018

- ▶ An important Tropical Cyclone is present in the media
- ▶ You are requested to reply the question aside to prepare a briefing

1

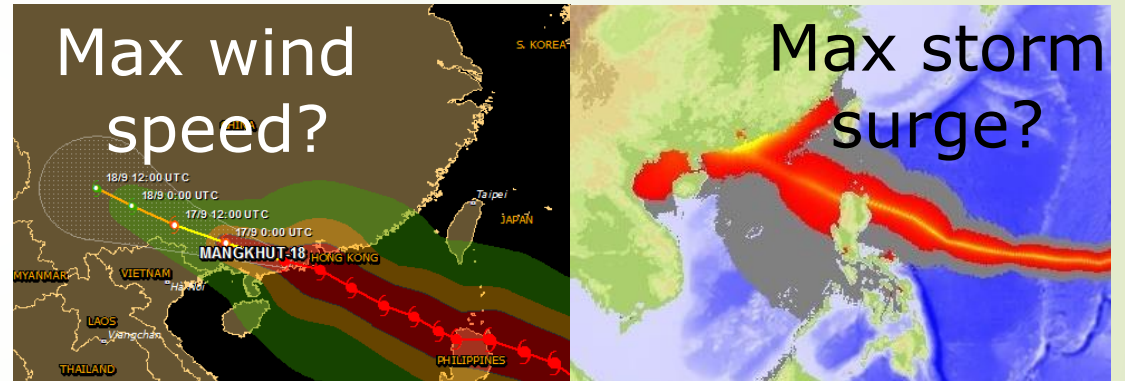
Affected countries?



2

Max wind speed?

Max storm surge?



3

Highest Humanitarian **Impact?**

? dd - dd Sep 2018



ANSWER

➔ <https://www.gdacs.org/report.aspx?eventtype=TC&eventid=1000498&episodeid=39>

Overall Red alert Tropical Cyclone for MANGKHUT-18
in China, Philippines, Guam, Northern Mariana Islands

Summary Impact Meteo GTS HWRF ECMWF GFS Maps Media Resources

Event summary

Tropical Cyclone MANGKHUT-18 can have a high humanitarian impact based on the maximum sustained wind speed, exposed population and vulnerability.

Name: MANGKHUT-18

Glide number: TC-2018-000152-CHN

From - To: 07 Sep - 16 Sep

Exposed countries: China, Philippines, Guam, Northern Mariana Islands

Exposed population: 61.1 million in Category 1 or higher

Maximum wind speed: 287 km/h, Category 5

Maximum storm surge: 2.7 m (16 Sep 09:00 UTC)

Vulnerability of affected countries: Medium (China)

Gdacs Score

0 1 2 3

2.5

For more info on GDACS alert score click here.

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Impact / Bulletin Timeline

Bulletin Timeline

Advisory	Alert color	Date (UTC)	Category	Wind speed	Population in Tropical Storm	Population in Cat.1 or higher	Location (lat, lon)
29		14 Sep 2018 00:00	Category 5	278 km/h (172 mph)	56.7 million people	no people	15.9, 126.9
30		14 Sep 2018 06:00	Category 5	269 km/h (166 mph)	57.5 million people	3.7 million people	16.8, 125.6
31		14 Sep 2018 12:00	Category 5	269 km/h (166 mph)	63.2 million people	6.9 million people	17.4, 124.1
32		14 Sep 2018 18:00	Category 5	269 km/h (166 mph)	62.1 million people	6.2 million people	16.8, 122.3
33		15 Sep 2018 00:00	Category 4	213 km/h (132 mph)	101.8 million people	4.2 million people	18.1, 120.6
34		15 Sep 2018 06:00	Category 3	194 km/h (120 mph)	132.7 million people	1.4 million people	16.5, 119.7
35		15 Sep 2018 12:00	Category 3	194 km/h (120 mph)	121 million people	no people	19.2, 118.4