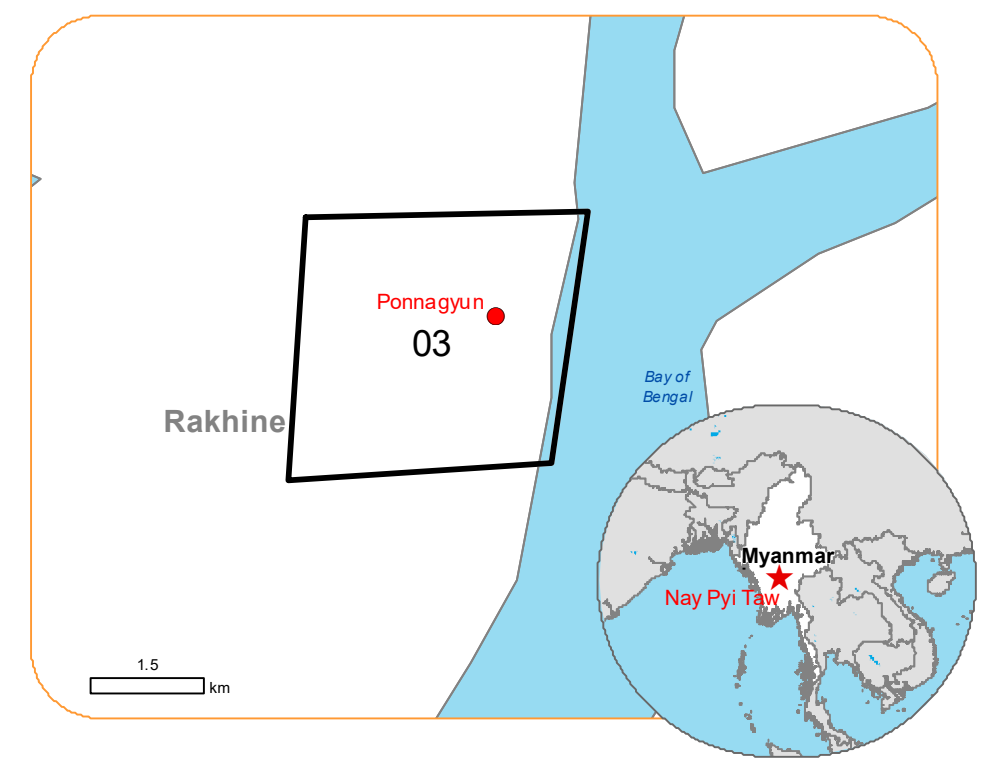


EMSR661 - AOI03

Storm in Myanmar

PONNAGYUN

Situation as of 15/05/2023 11:34 UTC
Delineation - Overview map 01





Observed Event

Flooded area 65.6 ha



Potentially affected population

~ 150



Potentially Affected Built-up and Transportations




Road

0.1 km




Crisis Information

-  Flooded Area
-  Area of Interest

General Information




-  Placename

Placenames



-  Non residential
-  School, university and research buildings
-  Unclassified

Built-Up Area





Hydrography

-  Coastline
-  Lake
-  River

Facilities

-  Long-distance pipelines or lines
-  Dam

Transportation

-  Main road
-  Local road
-  Track
-  Railway

All data displayed on the map(s), as well as the Land Use -Land Cover layer, is available in the Crisis Information Package and the Base Layer Package (for reference data). All products and data are also available for download on the activation webpage.

Event:
Tropical cyclone MOCHA-23 formed over the southern Bay of Bengal on 11th of May 2023 with predicted category 3 and winds up to 204km/h. It is expected to landfall on Sunday 14th of May in Sittwe city with maximum sustained winds up to 165km/h. Exposed population can be up to 2.6 million people.

Data sources and analysis: Pre-event image: Sentinel-2A/B (2023) (acquired on 23/01/2023 at 04:20 UTC, resolution 10.0 m). This image is used as background image.
Post-event image: COSMO-SkyMed © ASI (2023), distributed by e-GEOS S.p.A. (acquired on 15/05/2023 at 11:34 UTC resolution 3 m).
All images are provided under COPENICUS by the European Union and ESA, all rights reserved.

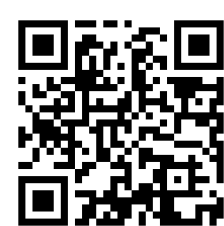
Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer. Copernicus Global Land Service: Land Cover (2019).
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2022
https://ghsl.jrc.ec.europa.eu/ghs_pop2022.php
Digital Elevation Model: SRTM (90 m) or (30 m) (NASA/USGS)

The thematic layer has been derived from post-event satellite image using a semi-automatic approach.
The scale of analysis is 1:10000. The estimated geometric accuracy (RMSE) is 6 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 576 sq m.

Map produced by e-GEOS released by e-GEOS on the 16/05/2023.

Details on this activation and service conditions available through the QR code or at the link:
<https://emergency.copernicus.eu/EMSR661>



EMSR661 AOI: 03 Ponnagyun Delineation

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha		65.6
Estimated population		Number of inhabitants	~ 150	~ 29,000
Built-up	School, university and research buildings	No.	0	1
	Communication buildings, stations, terminals and associated buildings	No.	0	1
	Unclassified	No.	0	4
Transportation	Primary Road	km	0.0	5.7
	Local Road	km	0.0	29.8
	Cart Track	km	0.1	6.6
	Long-distance railways	km	0.0	4.7
Facilities	Dams	ha	0.0	0.4
	Long-distance pipelines, communication and electricity lines	km	0.0	0.6
Land use	Heterogeneous agricultural areas	ha	56.7	816.9
	Other	ha	3.8	165.2
	Shrub and/or herbaceous vegetation association	ha	2.1	47.4
	Inland wetlands	ha	1.5	21.9
	Forests	ha	1.0	164.1
	Open spaces with little or no vegetation	ha	0.3	8.0

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>

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