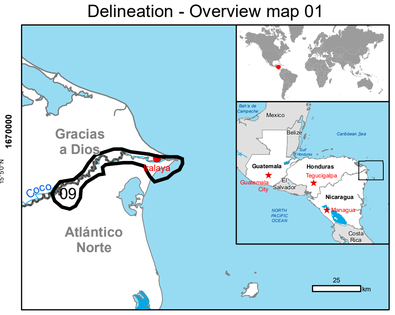
GLIDE number: TC-2020-000227-NIC
Int. Charter call ID: N/A

Activation ID: EMSR482
Product N.: 09IRALAYA, v1

Iralaya - GUATEMALA, HONDURAS, NICARAGUA

Flood - Situation as of 25/11/2020

Delineation - Overview map 01



Cartographic Information

1:105000

Full color A1, 200 dpi resolution

0 2 4 8 km

N

Grid: WGS 1984 UTM Zone 17N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information
- Flooded Area (25/11/2020 11:19 UTC)

General Information
- Area of Interest

Administrative boundaries
- International Boundary
- Region
- Province

Placenames
- Placename

Hydrography
- Coastline
- River
- Stream
- Island
- Lake
- Open Water
- River

Transportation
- Local Road
- Cart Track

Land Use - Land Cover
Features available in the vector package

Consequences within the AOI				
	Unit of measurement		Affected	Total in AOI
Flooded area	ha		1209.1	
Estimated population	Number of inhabitants		23619	
Transportation	Local Road	km	0.0	18.7
	Cart Track	km	1.6	32.0
Land use	Forests	ha	519.1	35334.5
	Shrub and/or herbaceous vegetation association	ha	570.4	13403.3
	Inland wetlands	ha	4.4	3574.1
	Other	ha	107.6	2070.1

Map Information

Hurricane Iota is an extremely strong hurricane bringing very high levels of rainfalls to Honduras, Nicaragua and Guatemala. The risk of flooding is extremely high and many 20yr + returns are to be expected as soil is already saturated by the passage of a previous hurricane (Eta) less than two weeks ago.

The present map shows the flood first estimate product in the area of Iralaya (Honduras). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy (RMSE) is 25 m or better, from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	17/11/2020 00:00	Situation as of	25/11/2020 11:19
Activation	17/11/2020 14:23	Map production	26/11/2020

Data sources

Pre-event image: Sentinel-2A/B (2020) (acquired on 16/03/2020 at 16:05 UTC, GSD 10.0 m, approx. 15% cloud coverage in AoI) provided under COPERNICUS by the European Union and ESA.
Post-event image: COSMO-SkyMed © ASI (2020), distributed by e-GEOS S.p.A. (acquired on 25/11/2020 at 11:19 UTC, GSD 30.0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, Globe Land 30 (2010), Global Administrative Areas (2012), refined by the producer.
Inset maps: Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2019 https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php
Digital Elevation Model: SRTM (90 m) (NASA/USGS)

Disclaimer

Products elaborated in this Copernicus EMS Rapid Mapping activity are realized to the best of our ability, within a very short time frame, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original sources. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union.
Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by e-GEOS released by SERTIT (ODO).

For the latest version of this map and related products visit https://emergency.copernicus.eu/EMSR482

jrc-ems-rapidmapping@ec.europa.eu
© European Union
For full Copyright notice visit https://emergency.copernicus.eu/mapping/ems/cite-copernicus-ems-mapping-portal

Copernicus Europe's eyes on Earth