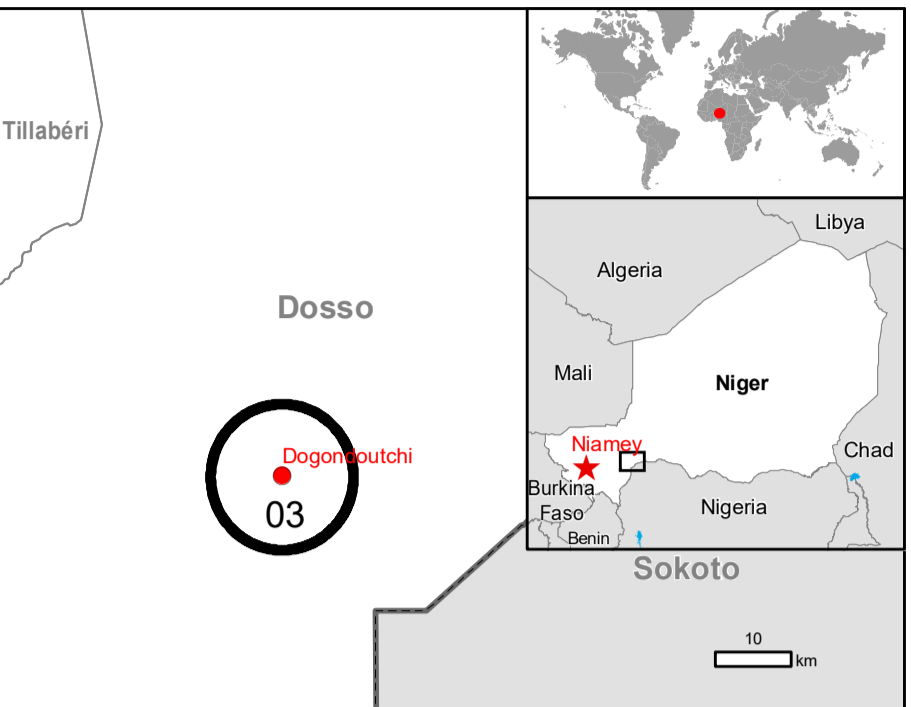


GLIDE number: FL-2020-000190-NER Activation ID: EMSR466  
Int. Charter call ID: 779 Product N.: 03DOGONDOUTCHI, v1

## Dogondoutchi - NIGER

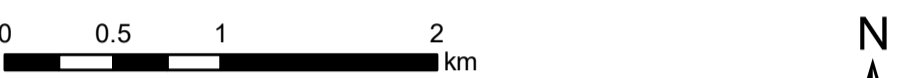
### Flood - Situation as of 12/09/2020

#### Delineation - Overview map 01



#### Cartographic Information

1:35000 Full color A1, 200 dpi resolution



Grid: WGS 1984 UTM Zone 31N map coordinate system  
Tick marks: WGS 84 geographical coordinate system

#### Legend

- Crisis Information**
  - Flooded Area (12/09/2020 10:00)
- General Information**
  - Area of Interest
- Placenames**
  - Placename
- Built-Up Area**
  - Built-Up Area
- Hydrography**
  - Stream
  - Lake
- Transportation**
  - Primary Road
  - Secondary Road
  - Local Road
  - Cart Track
  - Airfield runway
- Physiography & Land Use - Land Cover**
  - Features available in the vector package

Consequences within the AOI		Unit of measurement	Affected	Total in AOI
Flooded area		ha	19.2	
Estimated population		Number of inhabitants	217708	
Settlements	Residential Buildings	ha	4.7	NA
Transportation	Airfield runways	km	0.0	0.1
	Primary Road	km	0.0	27.5
	Secondary Road	km	0.0	21.6
	Local Road	km	0.2	116.2
	Cart Track	km	0.0	31.9
Land use	Forests	ha	0.0	69.8
	Shrub and/or herbaceous vegetation association	ha	7.9	19618.7
	Open spaces with little or no vegetation	ha	8.2	8477.3
	Other	ha	3.1	469.9

#### Map Information

Niger's western region has been badly hit after days of torrential rainfall caused the River Niger to burst its banks. The capital city of Niamey was brought to a standstill by the waters. Local authorities reported almost 30,000 houses being affected with some 868 houses being swept away. A number of mosques and granaries have also been destroyed as well as many rice fields being submerged.

The present map shows the flood delineation product in the area of Dogondoutchi (Niger). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy (RMSE) is 20 m or better, from native positional accuracy of the background satellite image.

#### Relevant date records (UTC)

Event	10/09/2020 00:00	Situation as of	12/09/2020 10:00
Activation	03/10/2020 12:33	Map production	08/10/2020

#### Data sources

Pre-event image: Sentinel-2A (2020) (acquired on 29/01/2020 at 10:12 UTC, GSD 10 m, approx. 0.0% cloud coverage in AoI, 0° off-nadir angle), provided under COPERNICUS by the European Union and ESA.  
Post-event image: Sentinel-2A (2020) (acquired on 12/09/2020 at 10:00 UTC, GSD 10 m, approx. 0.3% cloud coverage in AoI, 0° off-nadir angle), provided under COPERNICUS by the European Union and ESA.

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

Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2015  
[https://data.europa.eu/89h/jrc-ghsl-ghs\\_pop\\_gpw4\\_globe\\_r2015a](https://data.europa.eu/89h/jrc-ghsl-ghs_pop_gpw4_globe_r2015a).

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.

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

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

For the latest version of this map and related products visit <https://emergency.copernicus.eu/EMSR466>

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