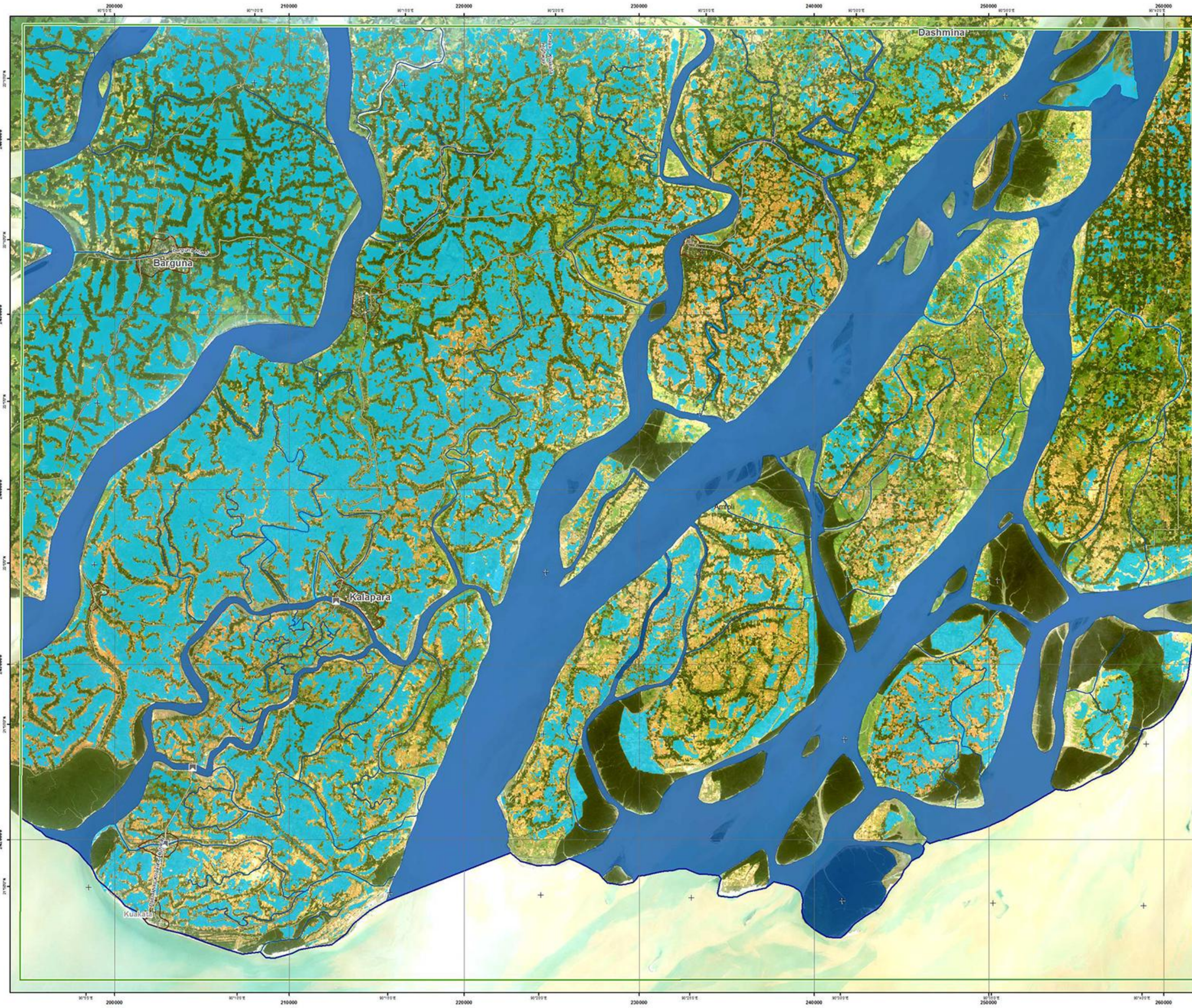


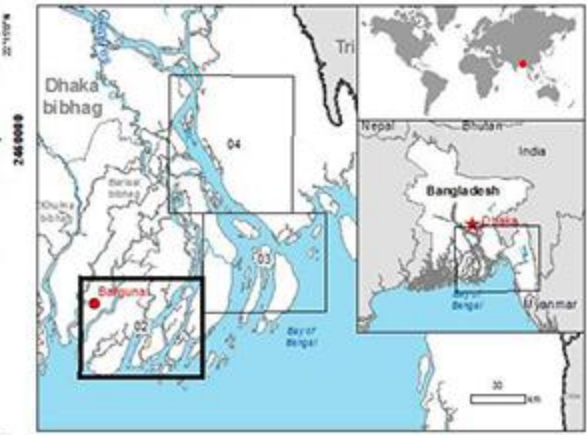


GLIDE number: TC-2016-00052-BGD Activation ID: EMSR164
Product N.: 02BARGUNA, v1, English

Barguna - BANGLADESH

Tropical Cyclone - Situation as of 23/05/2016

Delineation Map



Cartographic Information

1:100000 Full color ISO A1, low resolution (100 dpi)
Grid: WGS 1984 UTM Zone 46N map coordinate system
Tick marks: WGS 84 geographical coordinate system

- #### Legend
- | Crisis Information | Hydrology | Transportation |
|-------------------------------------|-----------|----------------|
| Flooded Area (23/05/2016 12:03 UTC) | Coastline | Bridge |
| Area of Interest | River | Primary Road |
| Settlements | River | Secondary Road |
| Populated Place | | |
| Built-Up Area | | |

Land use - Land Cover

Features available in vector data

Consequences within the AOI				
	Unit of measurement	Affected	Total in	
Flooded	ha	85176.0		
Estimated population	No. of inhabitants	240796	1568315	
Settlements	Built Up Areas	ha	65.0	998.0
	Primary roads	No.	0	2
Transportation	Secondary	km	12.4	166.1
	Primary roads	km	7.0	106.1
Land use	Cropland	ha	68217.0	232012.2
	Trees	ha	63.8	19823.1
	Wetland	ha	681.3	2032.8

Map Information

On 21 May 2016, Tropical Cyclone ROANU-16 hit Bangladesh, especially south and southeast regions Barisal and Chittagong. Torrential rains accompanied with strong winds have been lashing the coastal areas of S-SE Bangladesh causing heavy damages. As a result, 21 people from six districts have been killed and almost half a million people evacuated to shelters. Many areas remain flooded with houses heavily affected or destroyed. Due to torrential rains the regions have been affected by landslides.

The present map shows the flood delineation in the area of Barguna (Bangladesh). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometry accuracy is 20 m CE 90 or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	21/05/2016	Situation as of	23/05/2016
Activation	22/05/2016	Map production	24/05/2016

Data Sources

Post-event image: Sentinel-1A (acquired on 23/05/2016, GSD 10 m) provided by the European Space Agency.
Pre-event image: Landsat-8 © U.S. Geological Survey (acquired on 28/11/2015, GSD 15 m, approx. 9 % cloud coverage).
Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2016, refined by the producer.
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.

Disclaimer

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Map produced by e-GEOS released by e-GEOS (ODD).
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ems-rapid-mapping@ec.europa.eu
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