Satellite Detected Waters in Central Bangladesh

This map illustrates satellite-detected surface water extent in the central part of Bangladesh using a Sentinel-1 satellite image acquired on the 12 August 2017 with a total surface of 4,280,650 ha. In this analyzed area, 1,644,983 ha (38%) of lands are likely affected. These lands are mainly cropland irrigated and rainfed areas and estimated to 1,576,351 ha. The population exposure analysis using WorldPop data shows that ~17,000,000 people are potentially affected by floods in the analysed zone: ~8,400,000 are located in Dhaka Division and ~5,750,000 in Rajshahi Division. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

Legend
- Capital
- City/Town
- River / Waterway
- Highway/Primary road
- Division boundary
- Reference water
- Satellite detected waters [12 August 2017]

Map Scale for A3: 1:750,000

Analysis conducted with ArcGIS v10.4.1
Coordinate System: WGS 1984 UTM Zone 46N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter

Analysis: UNITAR - UNOSAT
Production: UNITAR - UNOSAT
Satellite Dataset: ESA
CCI Land Cover Data: ESA
Reference Water: Global Surface Water / Nature
Other Data: USGS, UNCS, NASA, NGA

The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the United Nations. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian & development agencies & their implementing partners. This work by UNITAR-UNOSAT is licensed under a CC BY-NC 3.0.