Tropical Cyclone (TC) Fani is expected to be the strongest tropical cyclone in 20 years to hit India and is barreling towards 100 million people on its East coast, prompting emergency evacuations. On 02.05.2019 TC Fani's winds of 215 kph with gusts of 260 kph make it a Category 4 cyclone (Saffir-Simpson scale). It is expected to make landfall in Odisha state midday Friday (03/05/2019) but severe storm force winds are already lashing parts of Andhra Pradesh and will soon reach the Odisha coast.

The present map shows the first estimate product in the area of Bhubaneshwar (India). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy (RMSE) is 10 m or better, from native positional accuracy of the background satellite image.

Pre-event image: Sentinel 2A (2019) (acquired on 28/04/2019 at 04:47 UTC, GSD 10 m, approx. 0% cloud coverage in Aol) provided under COPERNICUS by the European Union and ESA. Post-event image: SPOT6/7 © Airbus DS (2019), (acquired on 06/05/2019 at 04:31 UTC, GSD 1.5 m, approx. 0% cloud coverage in Aol, 12.2° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, 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 http://data.europa.eu/89h/jrc-ghsl-ghs_pop_gpw4_globe_r2015a.
Digital Elevation Model: SRTM (90 m) (NASA/USGS)

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

Map produced by GAF AG released by e-GEOS (ODO).

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Event 03/05/2019 06:00 Situation as of Activation 02/05/2019 15:51 Map production 06/05/2019



