Cropped area affected due to flooding in parts of Odisha State
Based on the analysis of Sentinel-1A SAR, Resourcesat-2A AWiFS, Radarsat-2 SAR & MODIS TERRA
Images of 26, 28, 29 & 31-August-2020

About the Event
Heavy rains were reported in Odisha state during fourth week of August, 2020. River Subarnarekha is flowing in extreme flood situation at Methani Road Bridge in Baleswar district. River Baitarani and Burhabalang are flowing in severe flood situation in Kendujhar and Bhadrak, and Balasore respectively.
(Source: News Media)

Satellite Observations
This map highlights the inundation over probable kharif rice and kharif non-rice area due to heavy rains in 16 districts in part of Odisha state during 26-31 August, 2020

Satellite data used
Pre flood:
Satellite: Resourcesat-2
Sensor: AWiFS
Date of Pass: 15-Feb-2020

During Flood:
Sentinel-1A SAR data of 26-Aug-2020 (0600 Hrs)
Resourcesat-2A AWiFS data of 28-Aug-2020 (1030 Hrs)
Sentinel-1A SAR data of 28-Aug-2020 (1800 Hrs)
RADARSAT-2 SAR data of 29-Aug-2020 (1800 Hrs)
MODIS TERRA data of 31-Aug-2020 (1100 Hrs)

Other data used
NRC Landuse/Landcover Data of 2018-19
Bhuvan Geoportal Legacy Data
Potential kharif rice area data, ASAG, NRSC

Legend
- Towns
- Major Roads
- Railway
- District Boundary
- Flood Inundation
- Normal River/Waterbody
- Area Covered by Satellite
- probable flooded kharif rice area
- probable flooded kharif non-rice area

This product is prepared on rapid mapping mode for immediate use. This provides preliminary results.

Flood inundation may include rain water accumulation / flood water in low lying areas.

All geographic information has limitations due to the scale, resolution, date and interpretation of the original source materials.

No ground verification is done.