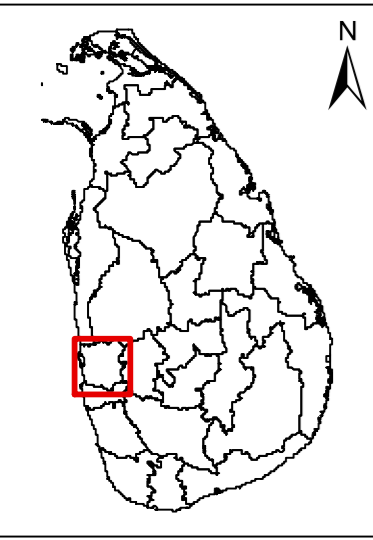


# Mapping Inundation extent for Gampaha District in Western Province (Sri Lanka) using Satellite Data (23,25 and 26 May 2018)



Heavy rainfall occurred on 20th and 21st May 2018 which has resulted in flooding forcing evacuation of people in low-lying areas where four Major rivers have reached flood levels, while 6 districts are on "red alert" for possible landslides. About 174,310 people have been affected by the floods. The death toll in Sri Lanka's monsoon rains has climbed to 24 as 28th May 2018 (DMC reports).

The initial satellite observations from ALOS-2 PALSAR-2 (23 May 2018) showed vast areas of standing flood waters along the North Western, Western and Southern Provinces. Initial estimates from satellite images indicate that Puttalam (68.4 sq.km), Kurunagala (135.5.sq.km), Gampaha (37.7 sq.km) Galle (9.2 sq.km), Kaluthara (8.1 sq.km), Rathnapura (4.6 km.sq), Colombo (2.1 sq.km). Most of the district flood is reducing but rivers are still under minor flood level.

The satellite image from ALOS-2 PALSAR-2 taken on 23 May2018 showing considerable inundation for Gampaha and reference to dark with deep water and dark grey color in the agriculture fields with water. Most of the areas are still water logged due to the second rainfall event on 25th May 2018 in Gampaha district.

**Legend**

- Cities/Town
- SL DSD
- Flood
- Permanent water

24 May 2018 | FL-2018-0003-SL | Version 1

Map Prepared for: UNITED NATIONS Office for Outer Space Affairs

Map Prepared by: International Water Management Institute

Research Program on Water, Land and Ecosystems

DLR

esa

JAXA

ASIA

CCAFS

CGIAR

Climate Change, Agriculture and Food Security

Data Provider

The analysis excluded permanent water bodies including reservoir, tanks and ponds and this reflects only the inundation extent. Please note the surface water extent mapped has not yet been validated in the field.

The depiction and use of boundaries, geographic names and related data shown in these maps are based on the sources they have been drawn from and quoted. These are neither error-free nor do they imply official endorsement or the position of IWMI.

0 1 2 4 Km

