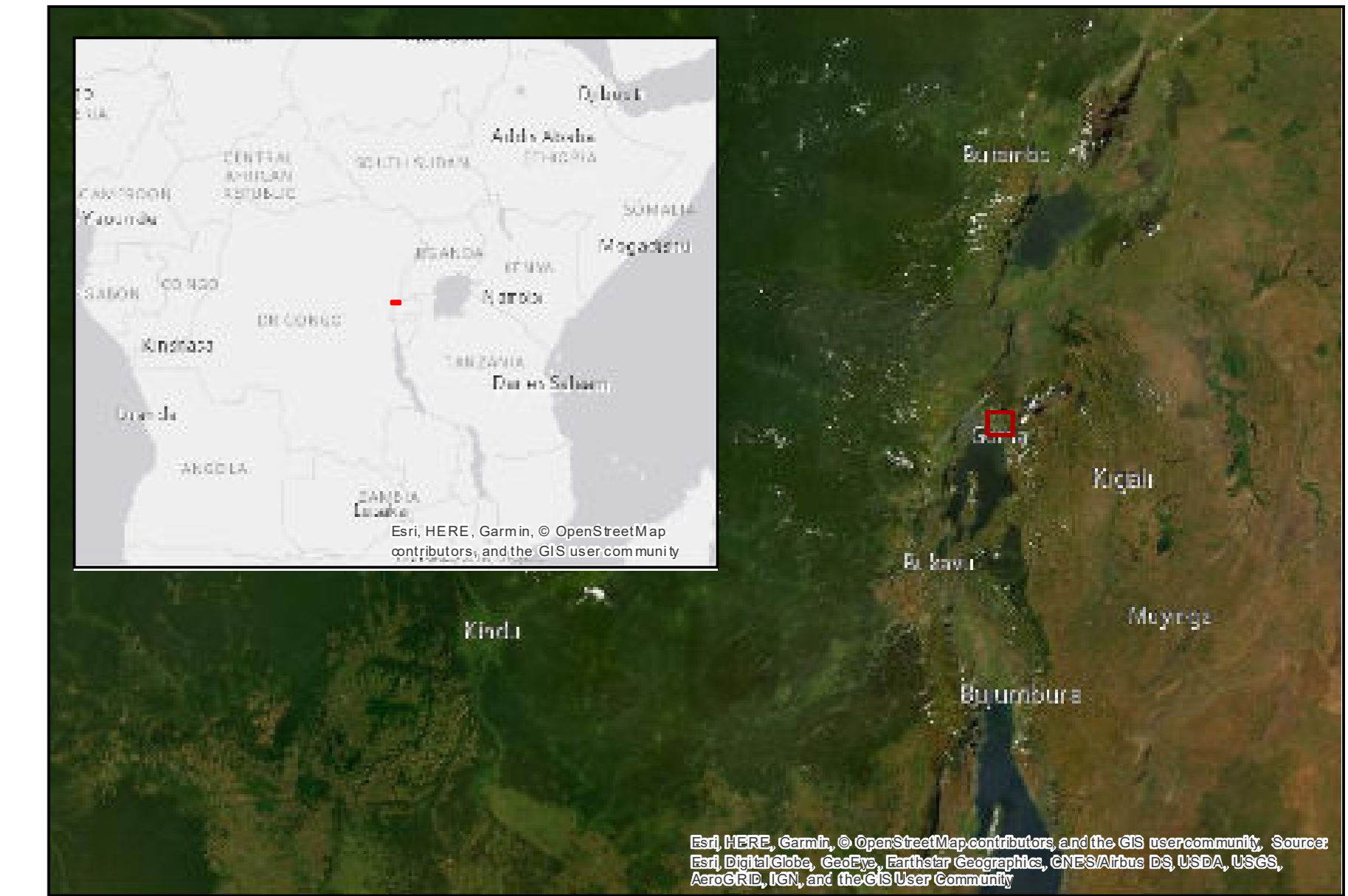
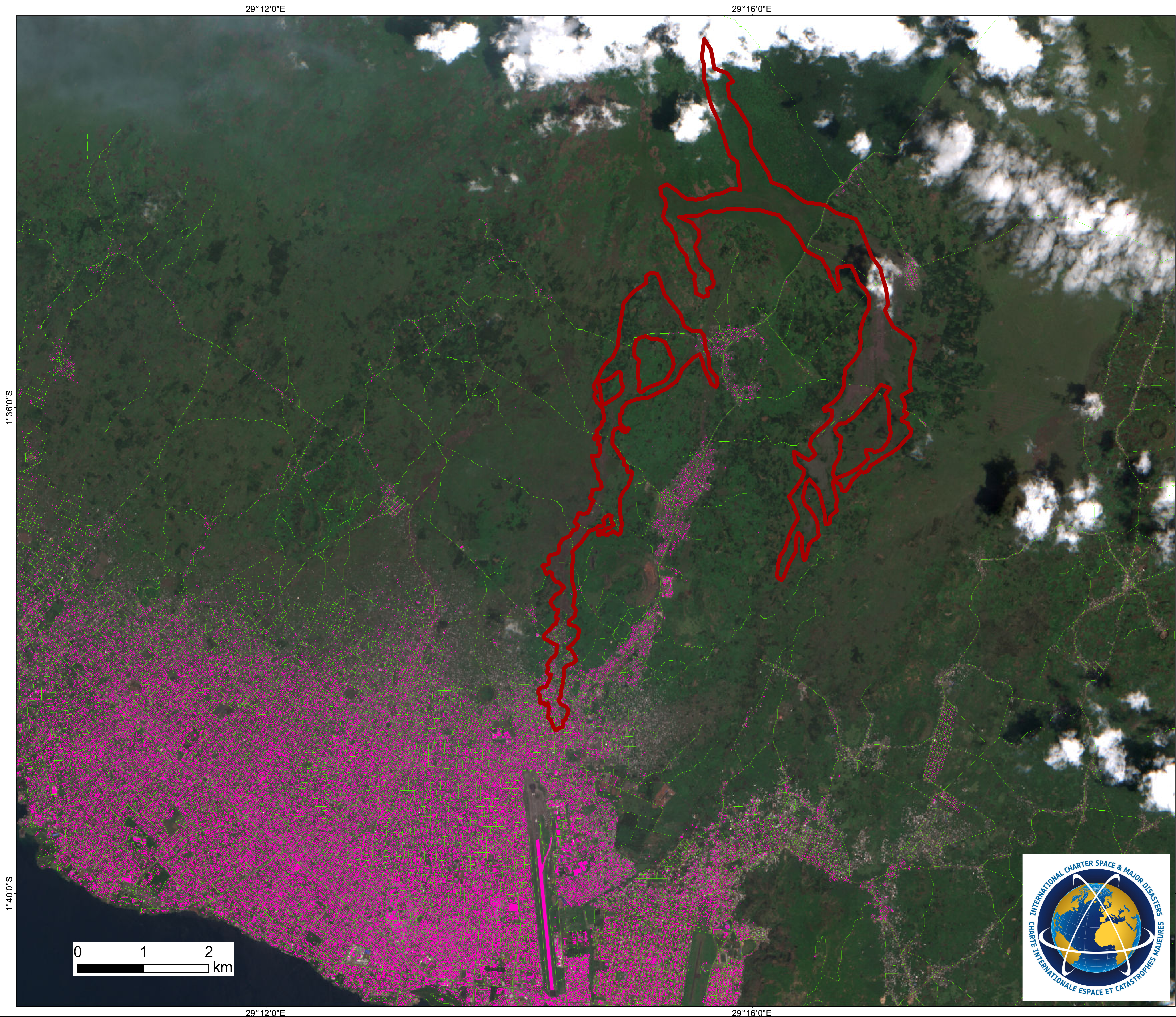


Preliminary Lava Flow Extension Following the Nyiragongo Volcano May 2021 activity (26/5/2021)



Legend

- Lava Flow on 25/5/2021
- Open Street Map - roads
- Open Street Map - railways
- Open Street Map - buildings

Interpretation

This satellite image interpretation map shows the lava flows inundation produced by the British Geological Survey. The scale of mapping was between 1:5,000 and 1:10,000 and the resolution of the satellite images used to identify the lava flows ranges between ~3m and ~10m.

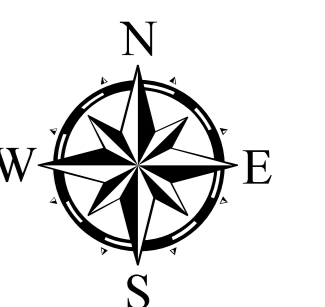
Two new lava flows were mapped (by the publication date) and have a cumulative area of >10km². Due to uncertainties in the source areas of both lavas, these are minimum estimates. The lava flows mapped were produced by two eruptive fissures active from the 22/5/2021.

Geolocation of lava flows is relative to the radar image. At least 400 buildings and 50 roads/paths have been impacted.

Insets show detailed mapping. Background image: Sentinel-2 acquired on 24/10/2020

Cartographic information

Geographical system: WGS84 Geographic (DMS)



Data sources

Satellite data used for mapping the lava flows:

TerraSAR-X/TanDEM-X © DLR e.V. 2021 Distribution
Airbus DS Geo GmbH
Contains modified Copernicus Sentinel data (2021)

Vector data:

Buildings, Roads, Railways © OpenStreetMap

Framework

International Charter Disaster Activation-713 (Call-820)

This mapping was prepared in rapid mapping mode using the TerraSAR-X image of 24/5/2021 and Sentinel-1 image of 25/5/2021 in combination with information from news reports and crowdsourcing.

This is a preliminary analysis and has not yet been validated in the field. No liability concerning the content or use thereof is assumed by the producer. Product published on 25/5/2021 and designed for viewing at A0 paper size.

