

THE DEMOCRATIC REPUBLIC OF THE CONGO

GOMA CITY, NYIRAGONGO DISTRICT, NORD-KIVU PROVINCE

IMAGERY ANALYSIS: 24 MAY 2021 PUBLISHED 25 MAY 2021 V1



POTENTIALLY STRUCTURES
DAMAGED WITHIN THE LAVA FLOW
1,600



Mount Nyiragongo



VOLCANO
VO20210523COD



Lava flow and affected structures caused by Nyiragongo volcanic eruption, Nord-Kivu Province, DR Congo

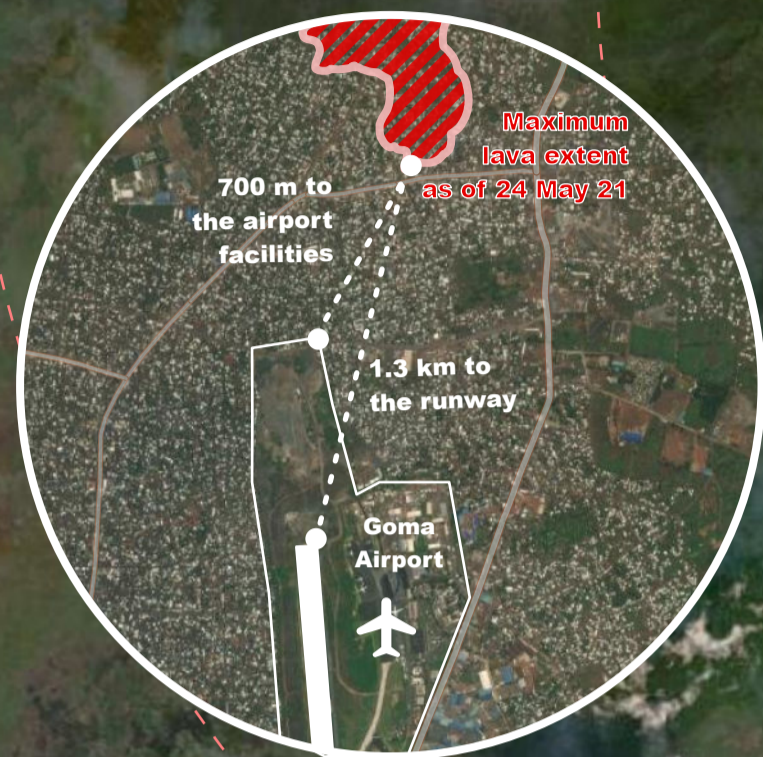
This map illustrates potentially affected structures and buildings in Nyiragongo district, Nord-Kivu province, DR Congo as detected by satellite image acquired after the eruption of Mount Nyiragongo volcano on 22 May 2021. UNITAR-UNOSAT analysis used a TerraSAR-X image acquired on 24 May 2021, at 16:13 UTC, to observe the lava flow. Within the analysis extent, about 1,600 structures are potentially affected by the lava flow.

This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

Important Note: Lava flow analysis from radar images may overestimate the presence of the lava tract due to the backscattering properties of the radar signal.

Legend

- City
- Village
- Hospital
- Airport
- International Boundary
- City Boundary
- Primary Road
- Radius Zone
- Maximum lava extent as of 24 May 21



≈ 40,000

≈ 4,000

≈ 521,000

≈ 80,000

≈ 715,000

≈ 200,000

see inset for close-up view

Goma

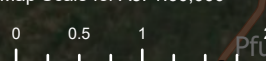
RWANDA

Gisenyi

Rugero



Map Scale for A3: 1:60,000



Spatial Reference
Name: WGS 1984 UTM Zone 35S
PCS: WGS 1984 UTM Zone 35S
GCS: GCS WGS 1984
Datum: WGS 1984
Projection: Transverse Mercator

Satellite Data (Post): TerraSAR-X
Imagery Dates: 24 May 2021
Resolution: 3 m
Copyright: TerraSAR-X © DLR e.V. (2021).
Distribution Airbus DS Geo GmbH
Source: DLR

Boundary data : OCHA Congo
City Boundary: Wikimapia
Population data : WorldPop and HRSL
Buildings : OpenStreetMap
Other analysis: USGS
Background ESRI World Imagery

Analysis : UNITAR-UNOSAT
Production : UNITAR-UNOSAT