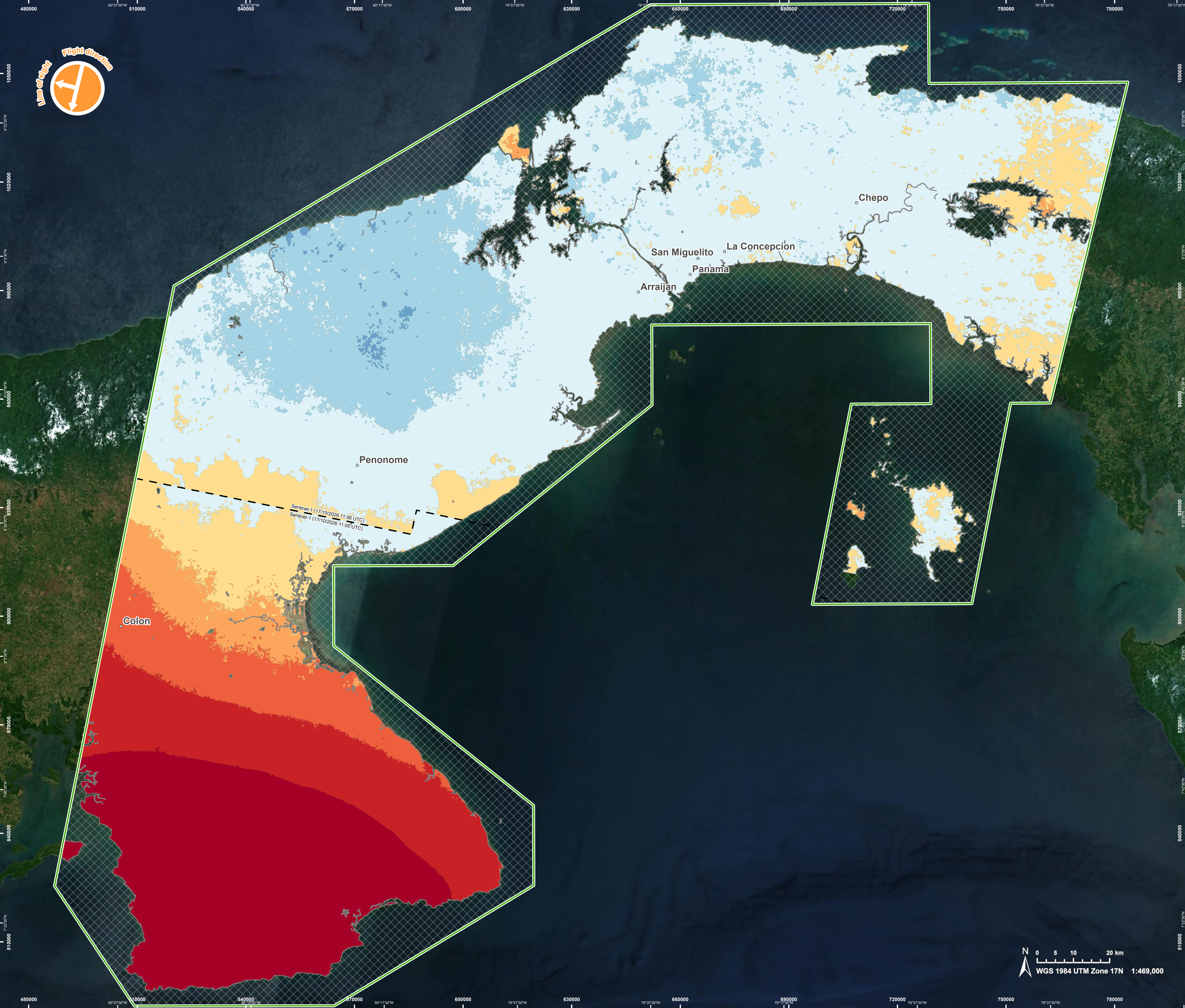




Total population in the Area of Interest
~ 3,096,550

- LOS Displacement (m)**
- Below -0.5
 - 0.5 to -0.2
 - 0.2 to -0.1
 - 0.1 to -0.05
 - 0.05 to 0
 - 0 to 0.05
 - 0.05 to 0.1
 - 0.1 to 0.2
- General Information**
- Area of Interest
 - Image Footprint
 - Not Analysed
 - Placename

Event: On 09 October at 17:56 UTC (12:56 Local Time) Panama was struck by a 7.7M earthquake. The epicentre was 12 km west-southwest of Pitaloza Arriba, Panama (inland). Copernicus EMS Rapid Mapping is requested to provide earthquake damage assessment emergency mapping.

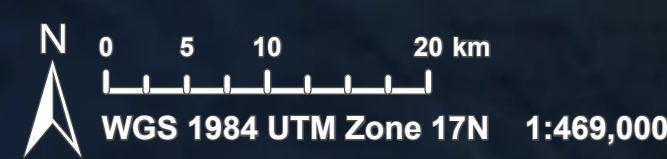
Data sources and analysis: Pre-event image: Sentinel-1 (2026) (acquired on 05/10/2026 at 11:05 UTC and 11:06 UTC, resolution 20.0 m).
Post-event image: Sentinel-1 (2026), (acquired on 17/10/2026 at 11:05 UTC and 11:06 UTC, resolution 20.0 m).
All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

The thematic layer has been derived from interferometric analysis, using SAR data acquired before and after the event. The ground movement is measured in LOS (Line Of Sight) geometry. It detects movement toward or away from the satellite, in-between both SAR acquisitions.

Please, beware that the thematic accuracy might be lower in forested areas due to inherent limitations of the SAR analysis technique, as well as any other areas where movement unrelated to the event might have occurred. Vertical and horizontal displacements may not be fully captured. Ground data are recommended to supplement this analysis.

Map produced by SERTIT released by SERTIT on the 18/10/2026.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR934>



Exposure within the analysed areas												
LOS displacement	m	Away from the satellite					Toward the satellite					Total
		< -0.5	-0.5 to -0.2	-0.2 to -0.1	-0.1 to -0.05	-0.05 to 0	0 to 0.05	0.05 to 0.1	0.1 to 0.2	0.2 to 0.5	> 0.5	
Extent	ha	432,966	232,263	136,457	80,572	288,780	1,317,268	385,707	7,358	0	0	2,881,372
Estimated population	No.	39,000	75,000	190,000	19,000	100,000	2,600,000	73,000	550	0	0	~ 3,096,550

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/>

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Data Access:

All data displayed on the map(s), as well as Land Use - Land Cover layer(s), are available in the Crisis Information Package and the Base Layer Package (for reference data). The table above is available in editable format in the Crisis Information Package. All products and data are also available for download on the portal.

Access to the portal



Estimated Population:

Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset. Additional population datasets and analysis are available in the summary table.

Data Sources:

Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2026); Wikimapia.org; GeoNames 2015; © EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS; © EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.

Digital Elevation Model:
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