



EMSR839 - AO112
Earthquake in Afghanistan
SURDAN PARK

Pre-event situation

Reference - Overview map 01



Population
~ 19000

Built-up and Transportations



Built-Up
3,274 No.



Road
72.3 km

General Information

Area of Interest

Administrative Boundaries

Province

Built-Up Area

- Residential
- Non residential
- School, university and research buildings

Hydrography

Lake, River

Facilities

Civil engineering works

Transportation

- Bridge and elevated highway
- Local road
- Track

Event: At 19:17 UTC on Sunday 31 August (23:47 local time), a magnitude 6.0 earthquake hit the province of Konarha in Afghanistan. Given its magnitude and the vulnerability of the affected population, this earthquake is expected to have a significant humanitarian impact. Copernicus EMS Rapid Mapping has been requested to provide emergency mapping of the earthquake's extent and damage.

Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 10/12/2024, resolution 0.6 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

The present map shows basic topographic features derived from public datasets, refined by means of visual interpretation of pre-event imagery.

Map produced by CLS released by e-GEOS on the 10/09/2025.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR839>



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EMSR839 AOI: 12 Surdan Park Reference

Exposure within the AOI			
	Unit of measurement		Total in AOI
Estimated population	Number of inhabitants		~ 19 000
Built-up	Residential Buildings	No.	3 228
	Public entertainment, education, hospital or institutional care buildings	No.	1
	Other non-residential buildings	No.	45
Transportation	Local Road	km	72,2
	Cart Track	km	0,1
	Bridges and elevated highways	No.	1
Facilities	Other civil engineering works not elsewhere classified	No.	2
Land use	Heterogeneous agricultural areas	ha	19,0
	Forests	ha	13 648,1
	Shrub and/or herbaceous vegetation association	ha	7 525,0
	Open spaces with little or no vegetation	ha	548,2

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 (2025); Wikimapia.org; GeoNames 2015;

Global Administrative Areas (2022), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;

© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

Digital Elevation Model:

FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30

Digital Elevation Model (DEM) (Airbus, 2020).



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