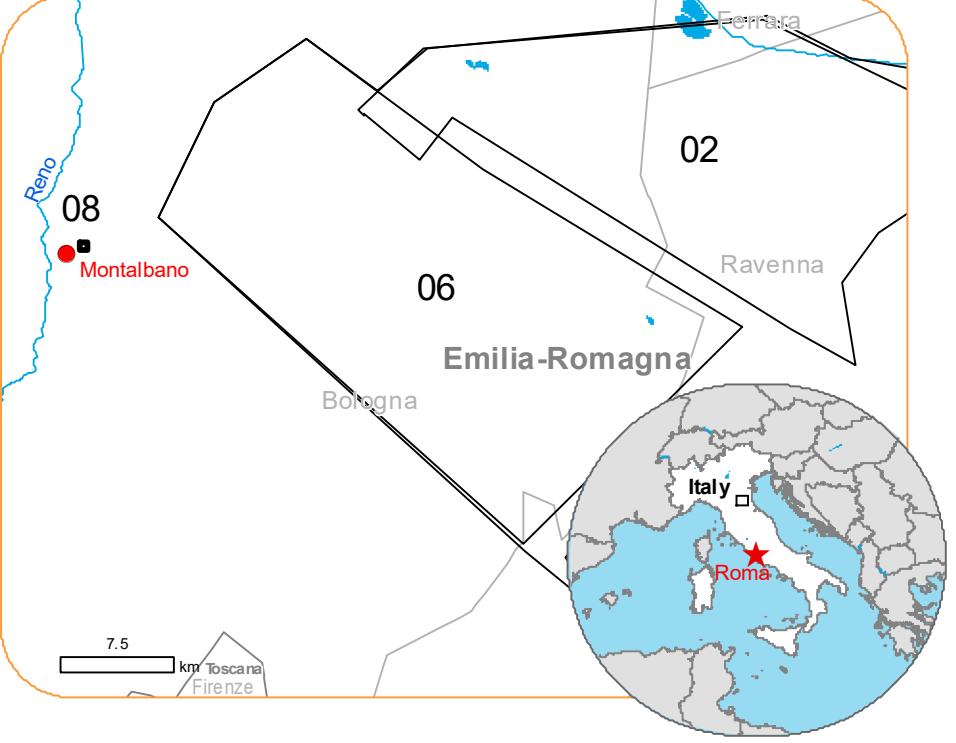


EMSR664 - AOI08
Flood in Italy
MONTALBANO

Situation as of 21/05/2023 00:00 UTC
Grading - Overview map 01





Landslide
0.5 ha



Potentially affected
population
NA

Affected Built-up and Transportations








Road
0.3 km





Built-up
4 No.

Crisis Information

-  Landslide
-  Residential Building, Possibly damaged
- Transportation Grading**
 -  Road, Damaged
 -  Road, Possibly damaged
 -  Track, No visible damage

General Information

-  Area of Interest
- Hydrography**
 -  Stream

All data displayed on the map(s), as well as the Physiography and Land Use -Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data). All products and data are also available for download on the activation webpage.

Event:
A new wave of severe weather has hit again the areas in the south-eastern Emilia-Romagna region in Italy. The same area was faced with floods already on 2 May 2023, which resulted in three deadly victims. These rains also caused landslides in the areas of the middle Apennines, which have left hundred people displaced. On 16 May 2023, a new perturbation has raised river levels again. The hydrometric threshold was reached in the basins of the Idice, Samoggia, Savio, Marzeno, Volte, Marecchia, Pisciatello, Ausa, and Montone rivers. New floods are expected in the areas as well as possible evacuations. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation, flood and landslide extent identification and monitoring.

Data sources and analysis: Pre-event image: Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 01/04/2023 at 10:18 UTC, resolution 0.5 m).
Post-event image: UAS images (2023) © Rescue Drones Network ODV (acquired on 21/05/2023, GSD 0.026 m). This image is used as background image.
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Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 2018, EuroBoundary/Map 2017 © EuroGeographics, Inset maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2022
https://ghsl.jrc.ec.europa.eu/ghs_pop2022.php

The thematic layer has been derived from drone image by means of visual interpretation.
The scale of analysis is 1:2000. The estimated geometric accuracy (RMSE) is 0.5 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 100 sq. m.

Map produced by CLS released by e-GEOS on the 22/05/2023.

Details on this activation and service conditions available through the QR code or at the link:
<https://emergency.copernicus.eu/EMSR664>



EMSR664 AOI: 08 Montesano Grading

Consequences within the AOI								
	Unit of measurement			Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Landslide		ha						0.5
Estimated population	Number of inhabitants						NA	~ 40
Built-up	Residential Buildings	No.		0	0	4	4	8
	Building point	No.		0	0	0	0	3
Transportation	Cart Track	km		0.0	0.2	0.1	0.3	0.9
			Very high damage	High damage	Moderate damage	Negligible to slight damage	Total affected**	Total in AOI
Land use	Heterogeneous agricultural areas	ha	NA	NA	NA	NA	0.3	23.8
	Forests	ha	NA	NA	NA	NA	0.2	6.6
* Presence of damage proxies and proximity with destroyed/damaged asset								
** Sum of all damage classes								

Disclaimer:

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

<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>

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