

7 February 2023



PRELIMINARY SATELLITE-DERIVED DAMAGE ASSESSMENT MARASH / ANTEP EARTHQUAKE (6 February 2023, Mw 7.8)



Latakia city, Syrian Arab Republic

تقرير أولي عن لأضرار في الماذقية من صور لأقمار الصناعية

زلزال 6 فبراير 2023 ، شدة 7.8

مدينة الماذقية، الجمهورية العربية السورية

 Status: Destroyed and damaged structures observed.


 Further action(s): full assessment to be conducted

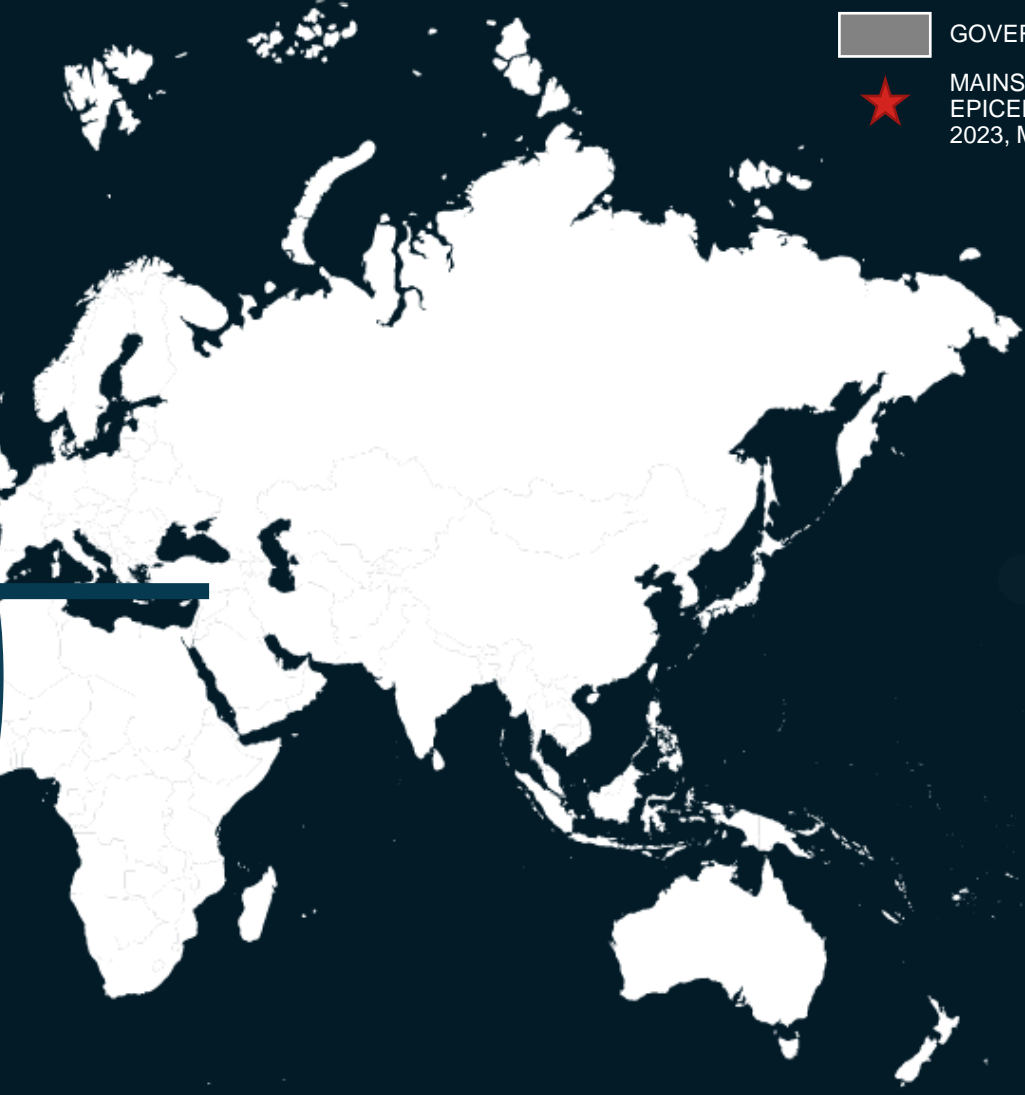


SYRIA

 AREA OF INTEREST (AOI)

 GOVERNORATE

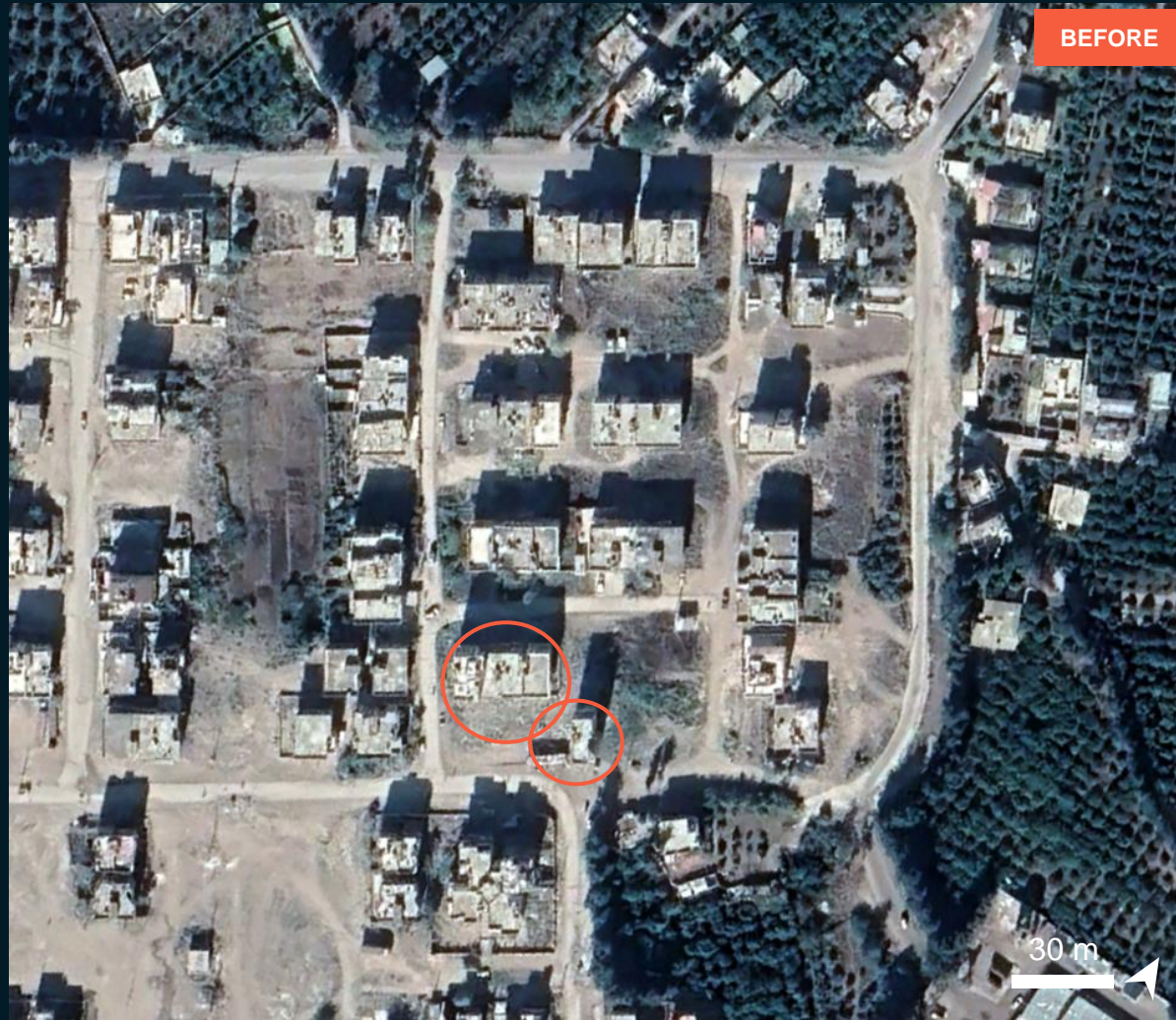
 MAINSHOCK EARTHQUAKE
EPICENTRE (6 February
2023, Mw7.8)



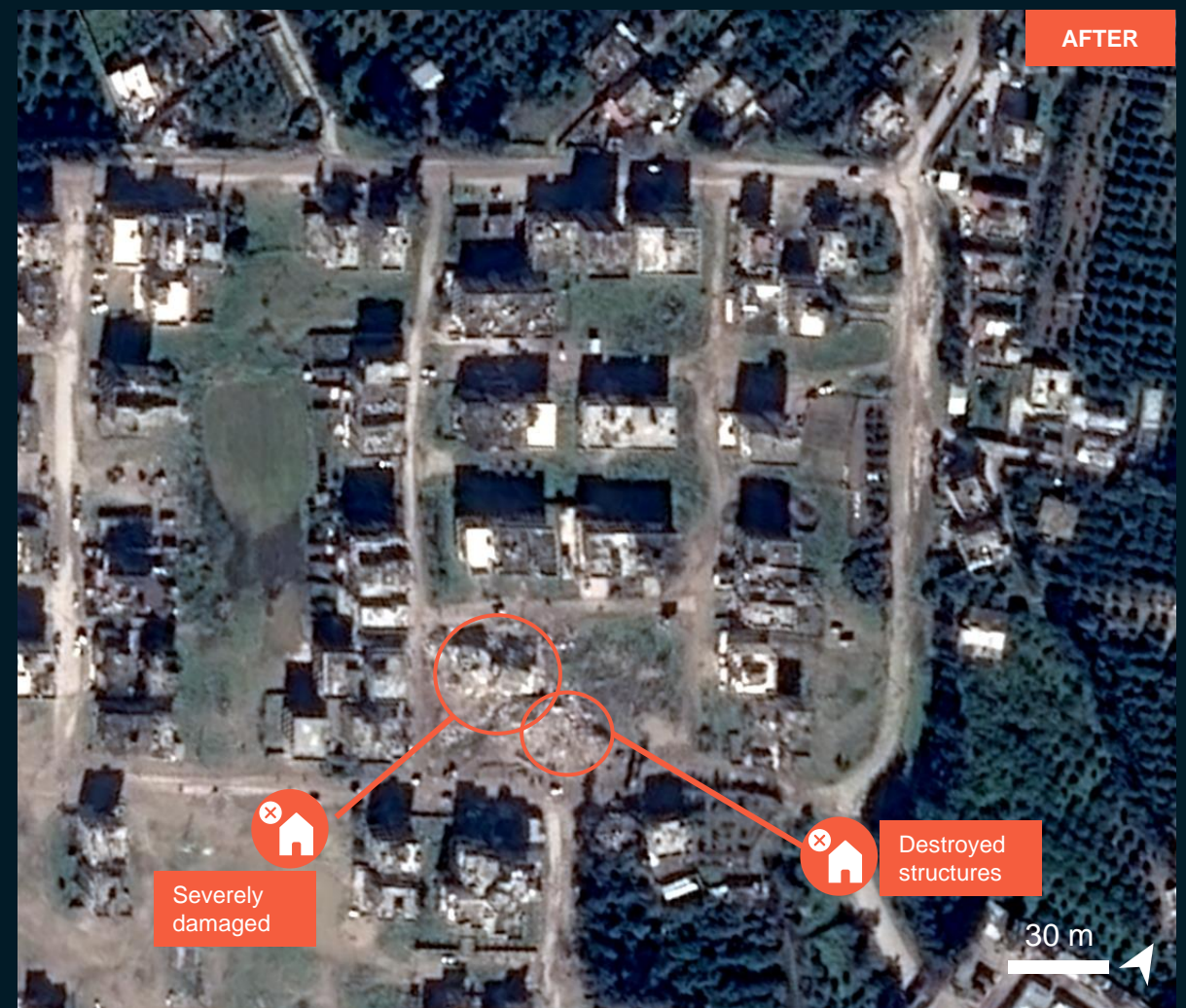
Latakia, East of Raml Al janoubi

Destroyed/severely damaged structures observed

Image center:
35°49'1"E
35°30'26"N



Google Earth / 11 Sep. 2021



Pléiades/ 7 Feb. 2023

Latakia, West of Raml Al janoubi

Potentially damaged structures observed

Image center:
35°47'19"E
35°31'20"N



Google Earth / 30 Jun. 2021

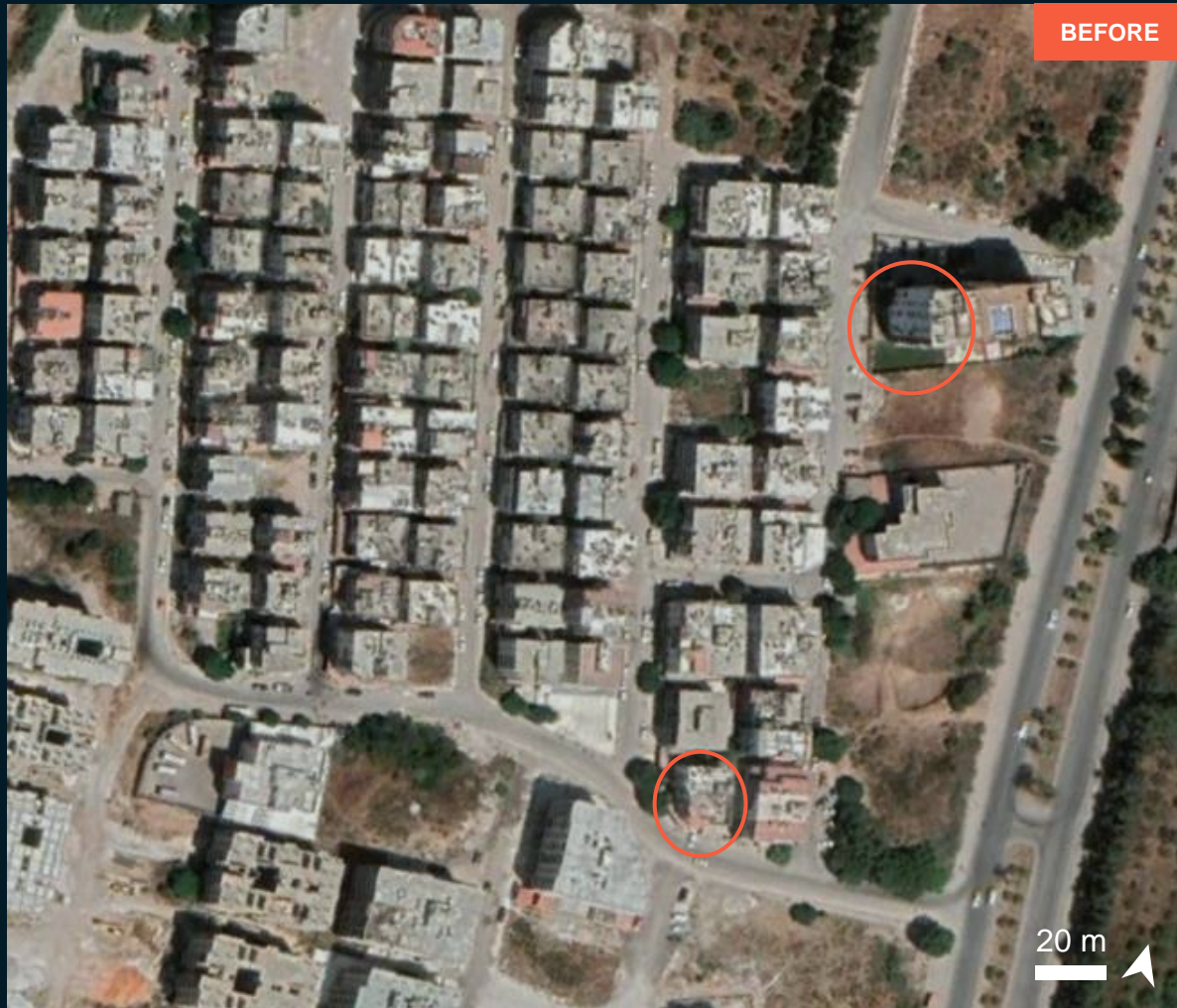


Pléiades/ 7 Feb. 2023

Latakia, Dam sarkho, Latakia North

Damaged structure observed

Image center:
35°46'41"E
35°32'48"N



BEFORE



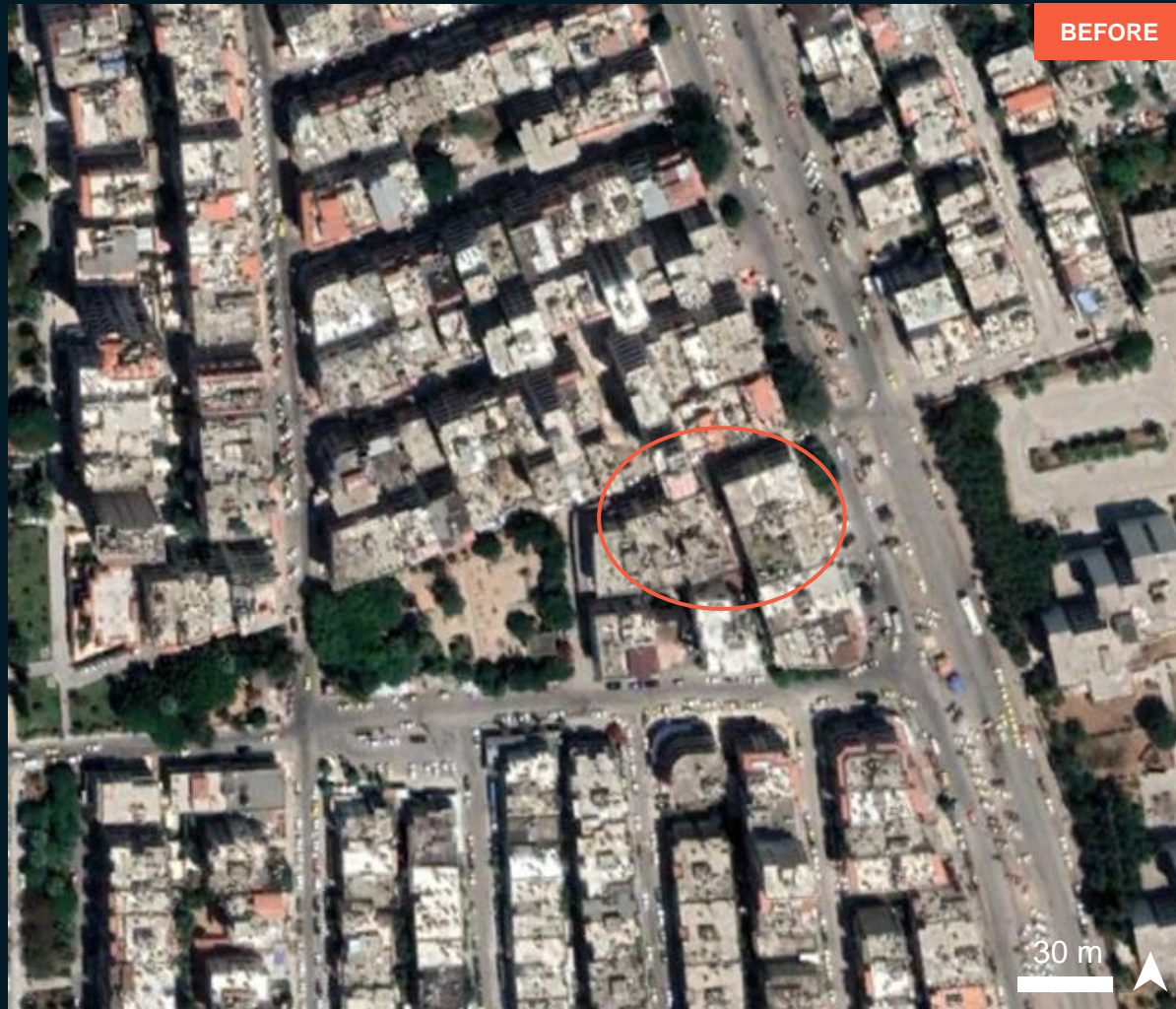
AFTER

Damaged structures

Latakia, Tishreen University hospital sector

Potentially damaged structures observed

Image center:
35°47'57"E
35°31'20"N



Google Earth / 30 Jun. 2021

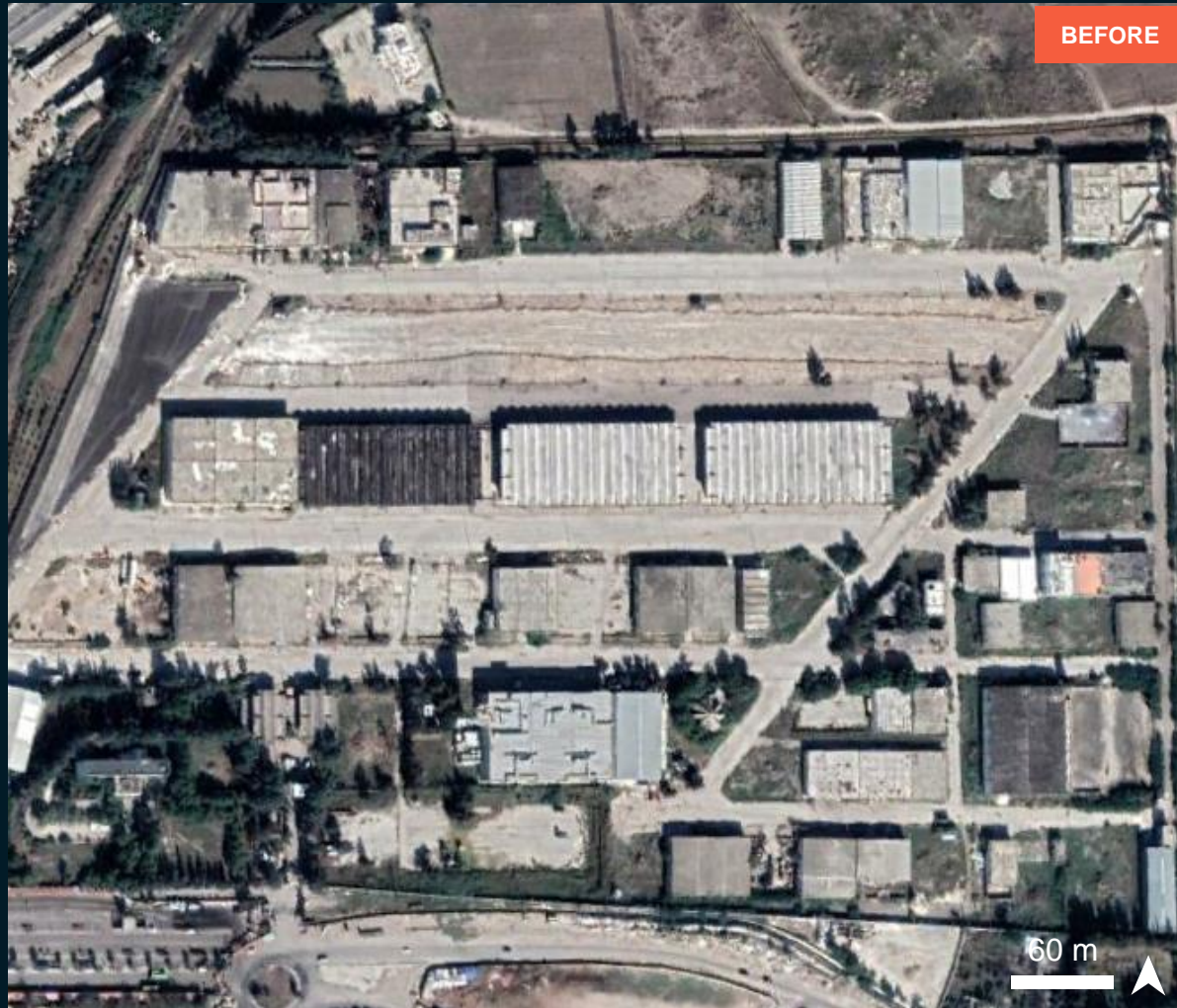


Pléiades/ 7 Feb. 2023

Latakia, Free zones sector

Damaged structures observed

Image center:
35°31'41"N
35°49'54"E



Google Earth / 11 Dec. 2021

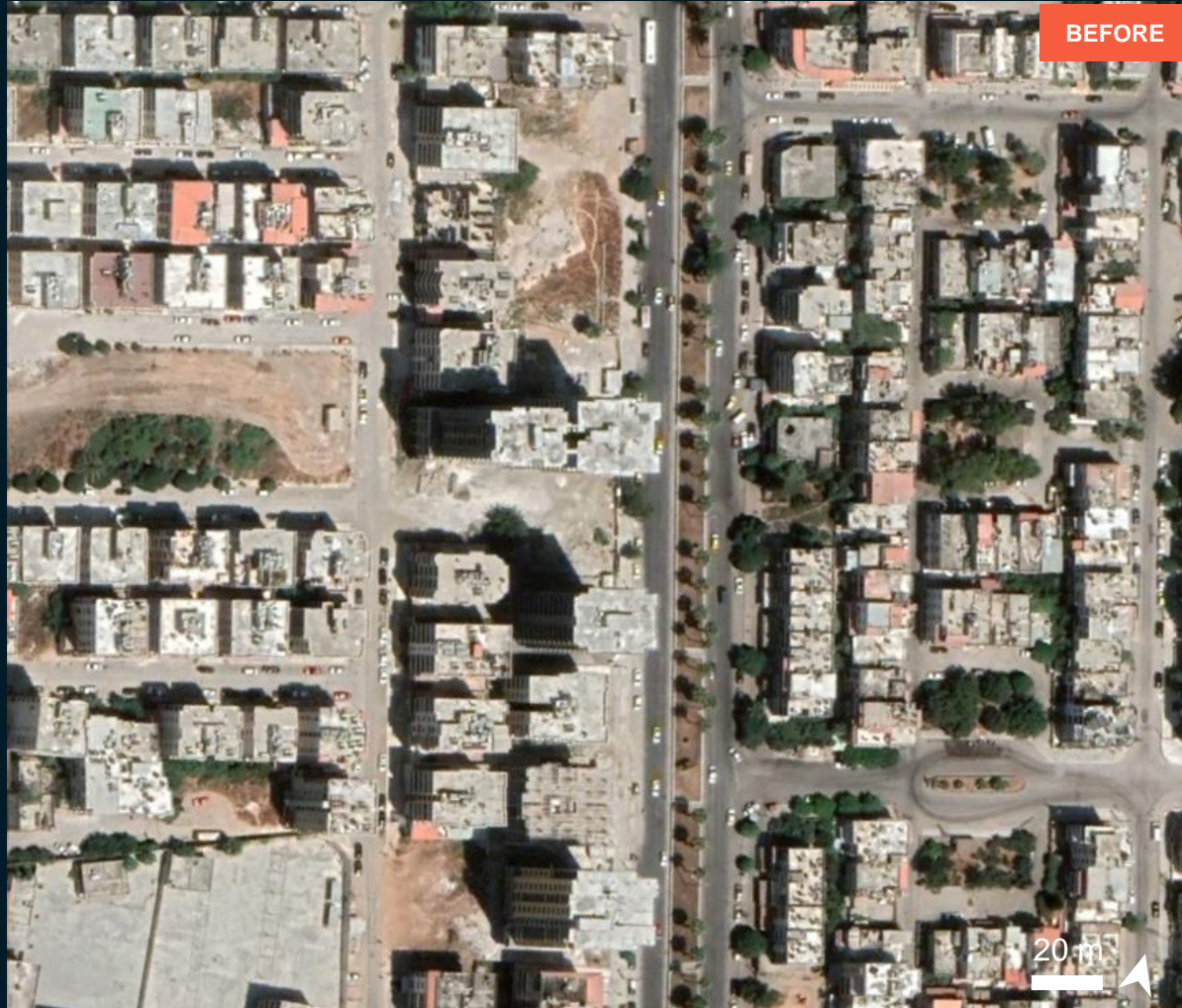


Pléiades/ 7 Feb. 2023

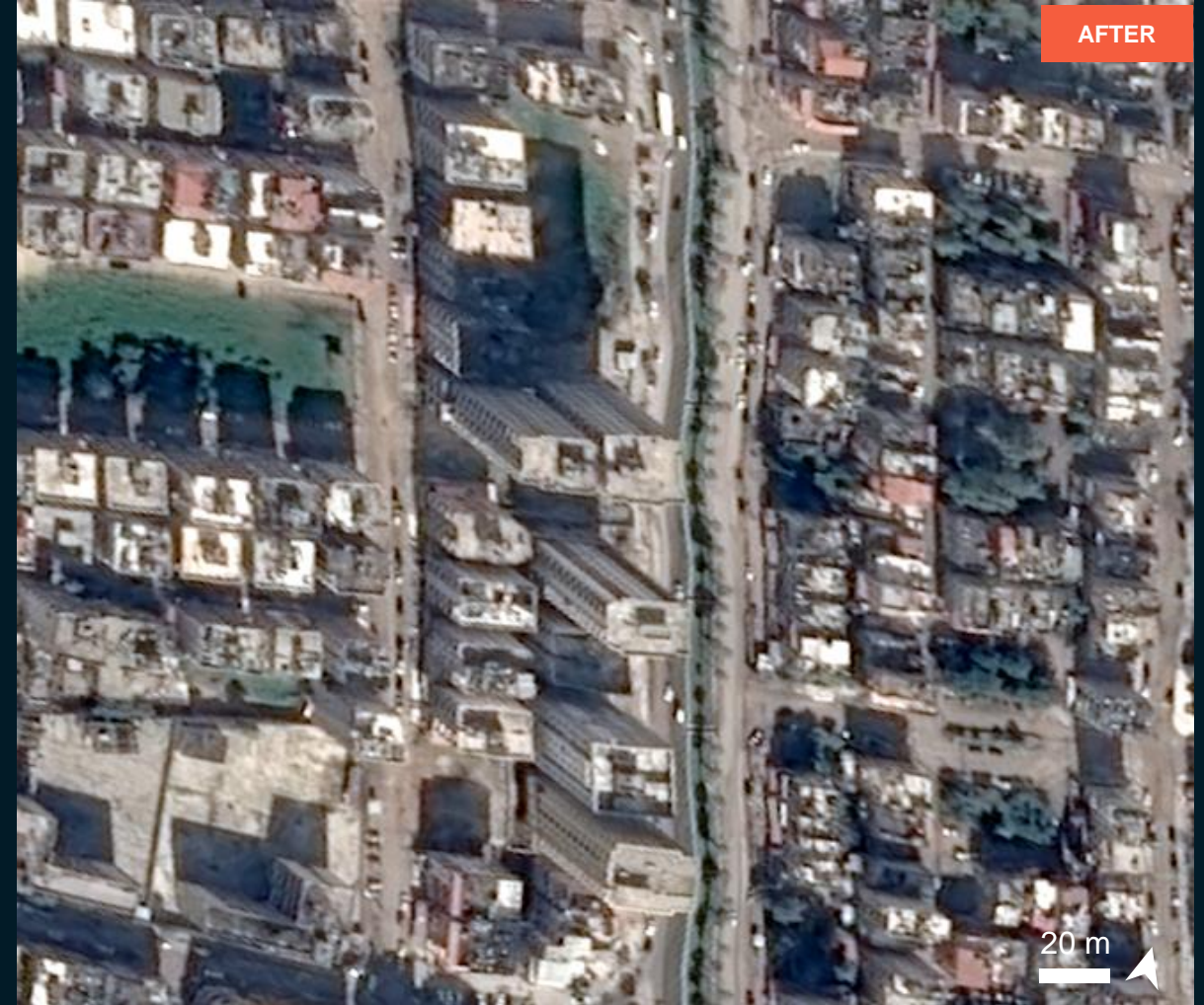
Latakia city, Raml Al shamali

No visible damage

Image center:
35°32'24.2"N
35°46'50.4"E



BEFORE



AFTER

Google Earth / 30 Jun. 2021

Pléiades / 7 Feb. 2023

SUMMARY OF FINDINGS

- Scattered damage to buildings observed in some sectors of the city of Latakia;
- Destroyed structures observed east of Raml Al Janubi, Latakia South, as of 7 February 2023;
- Damaged structure observed in Dam sarkho, Latakia North, as of 7 February 2023;
- No visible damage in Raml Al Shamali sector as of 07 February 2023;
- Potentially damaged structure observed in Latakia, Tishreen University hospital sector as of 7 February 2023.

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Data sources:

(1) Satellite Images (Post-event)

Satellite Data : Pleiades
Imagery Date : 7 February 2023
Resolution : 50 cm
Copyright : CNES (2023), distribution Airbus D&S
Source : Airbus DS

(2) Satellite Images (Pre-event)

Satellite Data : KOMPSAT-3
Imagery Date : 22 June 2022
Resolution : 70 cm
Copyright : KARI
Source : KARI

Google Earth

(3) Ancillary data

Earthquake epicentre: USGS
Seismic intensity scales : USGS
Main aftershock epicentre : EMSC

Administrative boundaries: United Nations Cartographic Section (UNCS) and United Nations Office for the Coordination of Humanitarian Affairs (UNOCHA), HDX

Analysis: United Nations Satellite Centre (UNOSAT)
Production: United Nations Satellite Centre (UNOSAT)

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