# Storm Adam: satellite map of candidate flooded areas around Oliva, Pego and Gandia

La Safor and Marina Alta, Valencia and Alicante, Spain · Storm Adam (DANA) rainfall and flooding, 17–19 October 2026 · Sentinel-1 radar and Sentinel-2 optical change

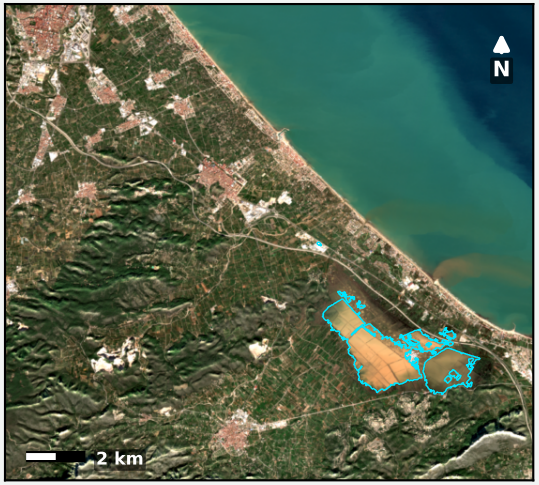
Overview: candidate flooded areas on Sentinel-2, 21 Oct 2026



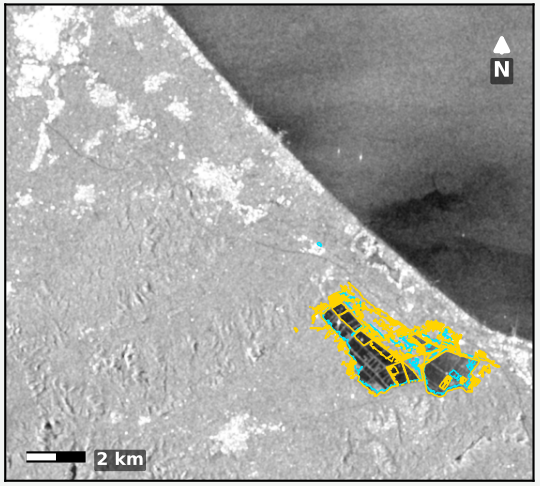

Before: Sentinel-2, 8 Oct 2026




After: Sentinel-2, 21 Oct 2026




Radar: Sentinel-1, 23 Oct (descending), VV (dark = water)




Locator: eastern Spain




10 candidate flooded areas, about 7.43 km²: 2 higher confidence (6.69 km²), 8 moderate (74.1 ha).
Cropland under candidate water: 4.56 km². Main roads (OpenStreetMap) within 20 m of candidates: 3.1 km.
Copernicus EMS (20 October 2026) mapped 7.60 km² of flooding in its analysed area; our candidates cover 65% of it.

Method: new surface water where radar backscatter fell to -18 dB or below (a drop of at least 3 dB), or where the Sentinel-2 water index rose from dry to wet. Only flat ground (under 5°, within 15 m of the lowest land nearby) is assessed; permanent and pre-event water are excluded. Minimum patch 1 ha. Observations: Sentinel-1, 22 Oct (descending) vs 16 Oct; Sentinel-1, 23 Oct (descending) vs 11 Oct; Sentinel-1, 23 Oct (ascending) vs 11 Oct; Sentinel-2, 21 Oct vs 8 Oct 2026. Water that drained before the satellites passed, or lay under trees or among buildings, is missed.

- Candidate flooded area: higher confidence (2+ observations)
- Candidate flooded area: moderate
- Water on land before the event
- Main road (OpenStreetMap)
- Candidate outline on detail panels
- Copernicus EMS flooded area (outline, radar panel)

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