



### SITUATION

- Two earthquakes of 5.4 M and 5.9 M, occurred in Macerata province on 26 October. The epicentre of the first which occurred at 17.10 (UTC), was located 11 km south-west of Castelsantangelo sul Nera, while the epicentre of the second which occurred at 19.18 (UTC) was located approx. 2.5 km north-west of Visso . USGS PAGER estimated a shaking up to "Severe" for 21 000 people. Several strong aftershocks have occurred in the area.
- As of 27 October morning, the Italian Civil Protection confirmed that four people have been injured, several have been evacuated, many buildings have been damaged and traffic and transport have been locally interrupted in Marche and Umbria regions.
- Both earthquakes occurred near the location of the 6.1 M earthquake of 24 August (approx. 15 and 28 km north-west) which caused the death of 297 people and injured at least 365.
- Over the next 24 h, strong winds may affect the areas affected by the earthquakes.
- The Italian Civil Protection activated the Copernicus Emergency Management Service for satellite mapping over the affected area.

Sources: Italian Civil Protection, GDACS, USGS, INGV, Local Media

Areas affected by 'Very Strong' shaking due to the earthquake of 24 August 2016 (INGV)

Municipalities affected

**Earthquake magnitude**

- 5.0 – 6.0 M
- 6.0 – 7.0 M

| Modified Mercalli scale (MMI)                 |            |        |             |            |
|---|------------|--------|-------------|------------|
| (showing intensities from Moderate to Severe) |            |        |             |            |
| PERCEIVED SHAKING                             | Moderate   | Strong | Very strong | Severe     |
| POTENTIAL DAMAGE                              | Very light | Light  | Moderate    | Mod./Heavy |
| INSTRUMENTAL INTENSITY                        | V          | VI     | VII         | VIII       |

**GDACS Alert**

- Moderate event
- People injured
- People evacuated
- Buildings damaged