



SITUATION

- Four earthquakes with magnitude between 5.1 and 5.5 M occurred in L'Aquila province on 18 January, between 9.25 and 13.33 UTC. The epicentres were located approx. 40 km south-west of Teramo city. INGV estimated a shaking up to "Severe". Several other smaller earthquakes occurred in the area.
- The same area has been affected by severe weather, including strong winds, snowfalls and very low temperature, over the last few days with serious impact on the electric power distribution and road networks.
- As of 19 January at 7.00 UTC, local media reported one death in Castel Castagna municipality (Teramo province) and one person missing in Campotosto municipality (L'Aquila province). Some already damaged buildings are reported to have collapsed in Amatrice and Accumoli (Rieti province), as well as in Campotosto and Poggio Cancelli (L'Aquila province). According to local media at least 100 000 people are still without power in Abruzzo and Marche regions due to severe weather conditions.
- The earthquake caused a **snow avalanche** in Farindola municipality (Pescara province, about 40 km south-east the 18 January earthquake epicentres). According to local media, as of 19 January at 7.00 UTC, at least three people are missing and at least 25 people were buried in a building in Farindola municipality due to the avalanche. Search and Rescue Operations are ongoing.
- Weather forecast.** Snowfalls, very low minimum temperatures (locally between -6 °C and - 2 °C in the greater area of Amatrice-Campotosto) and strong gusty winds are forecast to continue affecting central Italy over the next 12-24 h. An Orange Alert for snow and ice is in effect for Abruzzo and Molise, as of 19 Jan at 12 UTC (MeteoAlarm). On 20-21 January, the weather conditions (snowfalls and winds) are expected to slightly improve (snowfall/freezing rain/rain still possible on 21 January early morning), while the minimum temperatures will remain very low (locally below zero °C), especially during the early hours of 21 January; then the temperature will start slightly increasing, but more rainfall (locally snowfall) and winds are forecast to affect central Italy on 22-24 January.

Earthquake magnitude

- 4.0 – 5.0M ● 5.0 – 6.0M ● 6.0 – 7.0M

Same sequence in black correspond to past events

High- Primary Secondary
 way Road Road

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

Combined Shakemap from 4.0-5.5M 18/01/2017 (modified from INGV)

IX Dead people ❄️ Snow avalanche
 ? Missing people ❄️ Snowfall
 Buried people 🏠 Collapsed building

