



SITUATION

- Four earthquakes of 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 earthquakes are located in the southern part of the area struck by the sequence that started on August 24, 2016. Specifically, the earthquakes appear to fill a seismicity gap between the 2009 L'Aquila sequence and the recent sequence. All earthquakes are at a depth of ~9.0 km. The shakemaps for the area show that intensities as high as the VIII of the MCS (Mercalli-Cancani-Sieberg) intensity scale, but a great part of the area had undergone evacuations after the earthquakes in Aug/Sep 2016.
- Weather forecast.** Overcast weather conditions with snowfalls are forecast to prevail during the next two days accompanied by very low minimum temperatures, dropping locally to minus 4 to 6°C (greater area of Amatrice). Strong gusty winds are anticipated also for today and in a lesser degree for tomorrow. Weather conditions (snowfalls) are to improve gradually from 20 January while minimum temperatures are expected to keep remaining in very low values, locally below zero degrees.

Sources: INGV, GDACS, USGS, MeteoAM, ECMWF, Meteocenter.

— Main Road — Secondary Road ❄ Snowfall

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

Shakemap from 5.5M 18 Jan 2017 (INGV)

Earthquake magnitude
 ● 4.0–5.0M ● 5.0–6.0M ● 6.0–7.0M