Greece, *Athens* | Earthquake of 19 July

European Commission

Main event (M_L 5.1): population exposure to earthquake intensity

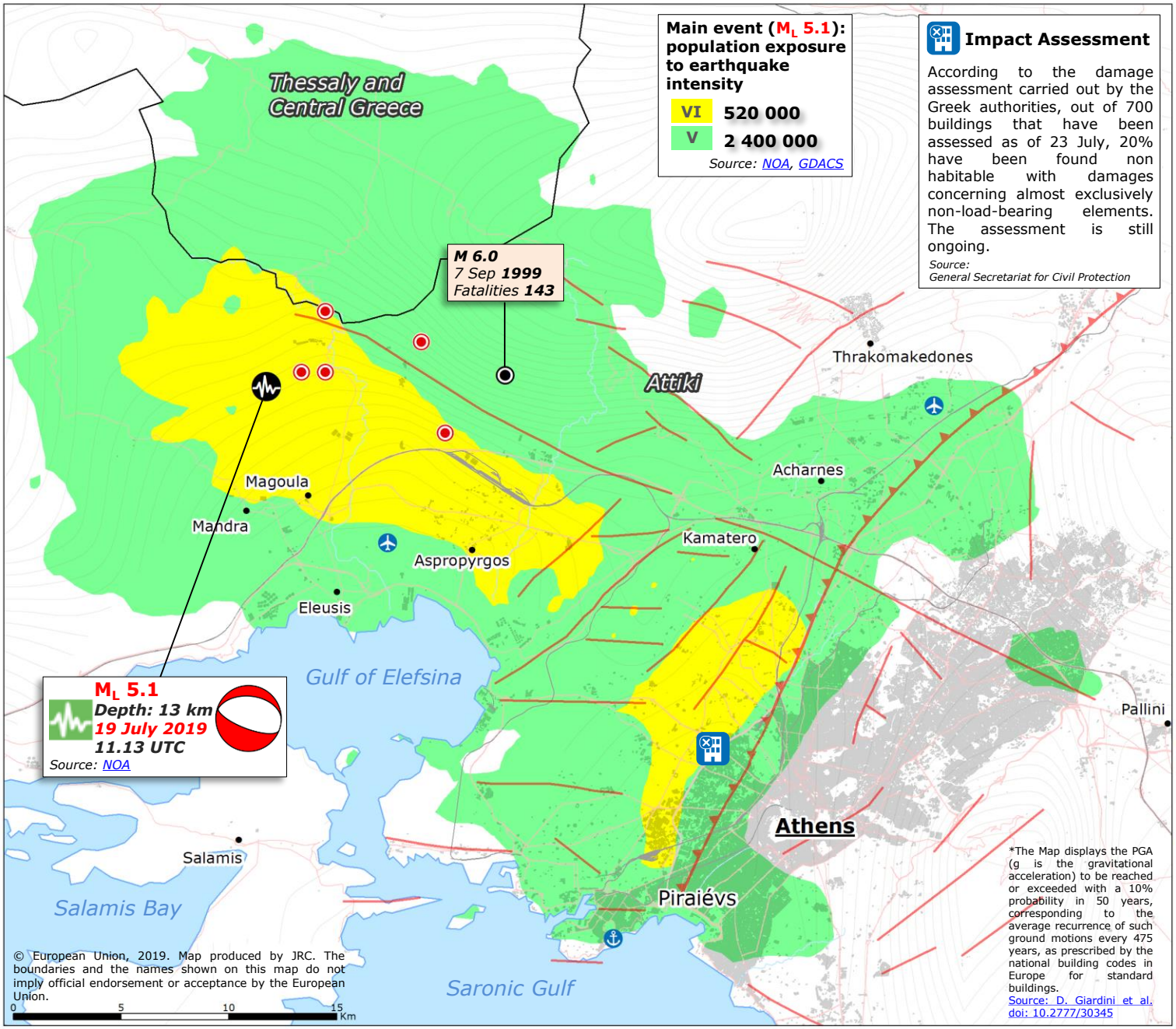
VI	520 000
V	2 400 000

Source: NOA, GDACS

Impact Assessment

According to the damage assessment carried out by the Greek authorities, out of 700 buildings that have been assessed as of 23 July, 20% have been found non habitable with damages concerning almost exclusively non-load-bearing elements. The assessment is still ongoing.

Source: General Secretariat for Civil Protection



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*The Map displays the PGA (g is the gravitational acceleration) to be reached or exceeded with a 10% probability in 50 years, corresponding to the average recurrence of such ground motions every 475 years, as prescribed by the national building codes in Europe for standard buildings.
Source: D. Giardini et al. doi: 10.2777/30345

Earthquake (EQ)

- Main event
- Focal mechanism *Source: USGS*
- Foreshock/aftershock 14-23 July > 3.0M *Source: NOA*
- GDACS Green alert

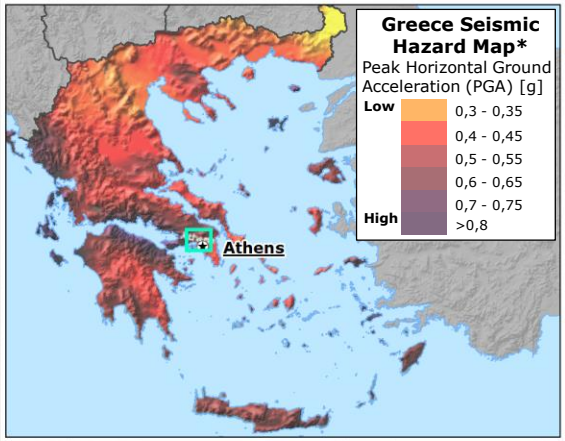
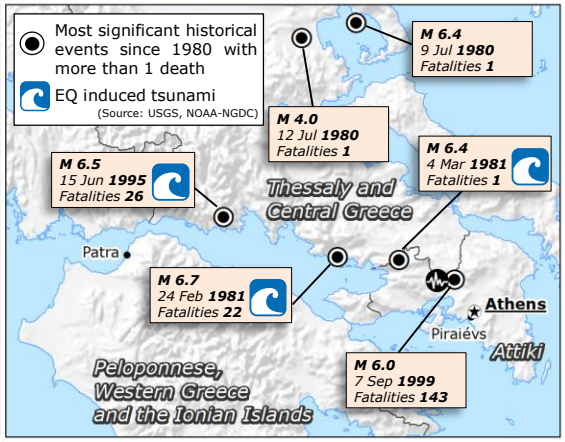
Modified Mercalli Scale intensity (MMI)

Source: USGS

- VI (Strong shaking)
- V (Moderate shaking)

Tectonic Assessment

- Fault
- Thrust

Sources: Michael Foumelis et al.

- Damaged building
- Region boundary
- Road
- Railway
- Airport
- Port
- Built-up