

**M 6.6, CRETE, GREECE**

Origin Time: Sat 2013-10-12 13:11:53 UTC (15:11:53 local)

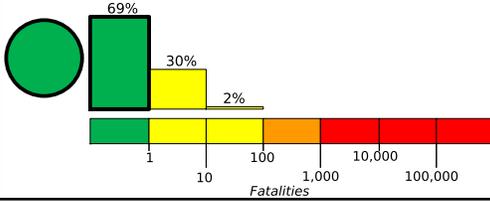
Location: 35.51°N 23.25°E Depth: 40 km

Created: 10 weeks, 2 days after earthquake

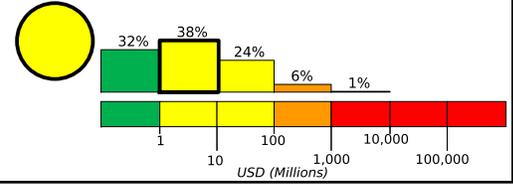
**Estimated Fatalities**

Yellow alert level for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of Greece. Past events with this alert level have required a local or regional level response.

Green alert level for shaking-related fatalities. There is a low likelihood of casualties.



**Estimated Economic Losses**

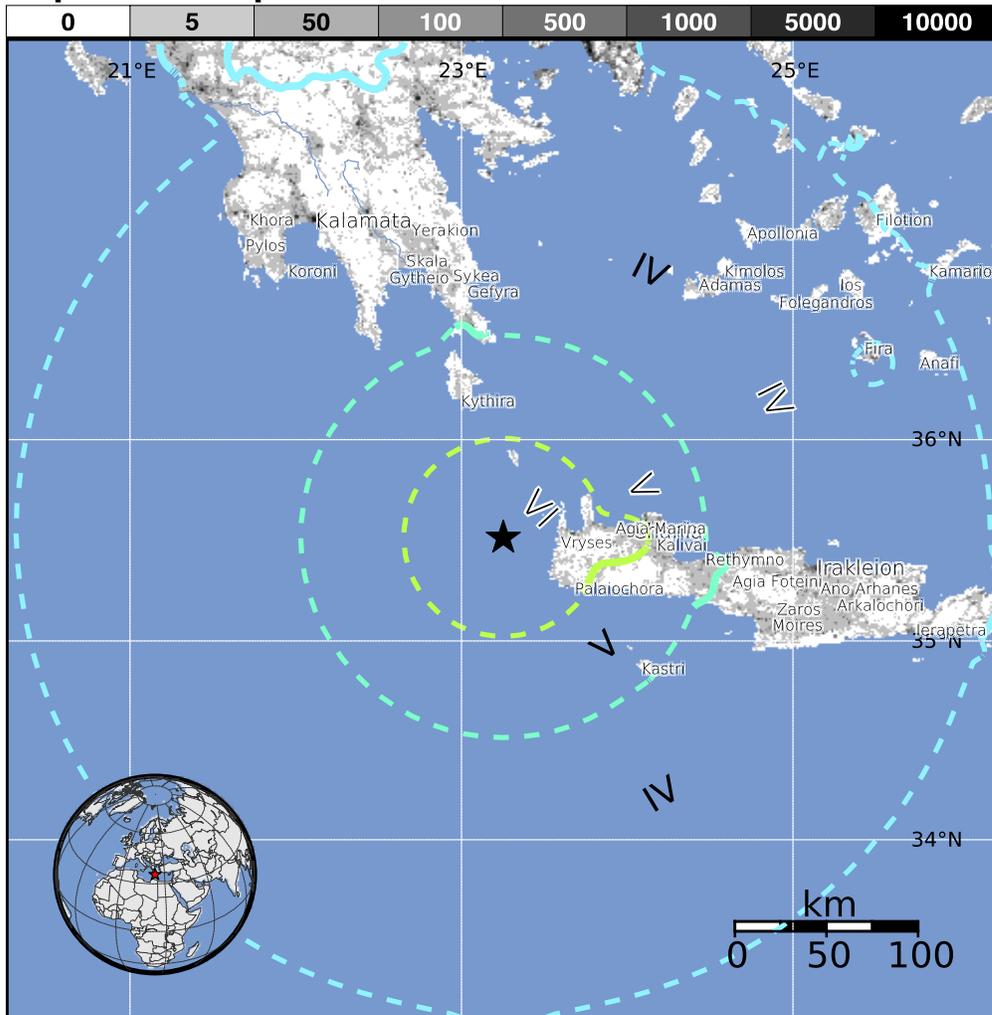


**Estimated Population Exposed to Earthquake Shaking**

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	139k*	1,726k	98k	115k	6k	0	0	0	
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+	
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme	
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

**Population Exposure**



**Structures:**

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction.

**Historical Earthquakes (with MMI levels):**

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1976-05-11	332	6.4	VI(9k)	0
1981-03-07	299	5.4	VII(77)	1
1999-09-07	292	6.0	IX(10k)	143

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

**Selected City Exposure**

from GeoNames.org

MMI City	Population
VII Galatas	2k
VII Daratsos	4k
<b>VI Chania</b>	<b>55k</b>
VI Agia Marina	2k
VI Gerani	< 1k
VI Perivolia	3k
<b>IV Irakleion</b>	<b>137k</b>
IV Tripoli	27k
IV Piraeus	172k
IV Kallithea	108k
IV Ermoupolis	11k

bold cities appear on map

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<http://earthquake.usgs.gov/pager>

Event ID: usb000kbn7