



### SITUATION

- An earthquake of magnitude 6.6 M and 10 km depth occurred in the Aegean Sea near the south-west of Turkey and north-east of Kos island (Greece) on 20 July at 22.31 UTC. The epicenter was located in the sea between Turkey and Kos island.
- Media reported, in Greece, two dead, seven injured at least 200 people temporarily displaced, several historical buildings, the Kos' city harbor were damaged and marine traffic disruptions through Kos island. In Turkey, 70 people were slightly injured and several buildings were damaged in Bodrum district.
- The earthquake triggered a Tsunami, confirmed by sea level measured in Bodrum; inundation of low laying areas both in Turkey and Greece occurred. JRC calculations indicated a max. tsunami of approx. 0.4 m on 20 July at 22.50 UTC in Ortakent (near Bodrum). The Tsunami has been followed using the IOC/NEAMTWS rules for this type event: the Tsunami Watch Providers (NOA, KOERI, INGV) issued an Advisory Message for Greece and Turkey 10 min after the time of the event. The Alert was cancelled about 3h after the event.
- On 12 June a similar event occurred near the Lesvos island (approx. 230 km from Kos) causing one fatality and damaged to the south part of the island (see map below).

Source: GDACS, ARISTOTLE, NOA, USGS, GSCP, IDSL Devices & Sea Level, Media



Earthquake magnitude	Max. Wave Height (JRC)
4.0 – 6.0 M	< 0.01m
6.1 – 7.0 M	0.01 – 0.05 m

  

Modified Mercalli Scale (MMI)	Tsunami Travel Time
VII (Very Strong)	5 min
VI (Strong)	15 min
V (Moderate)	

  

Max Coastal Wave Height (JRC)
0.2 – 0.3 m
0.3 – 0.4 m

  

Legend
Dead
Evacuated
Injured
Port
Building damaged