

TSUNAMI MESSAGE NUMBER 003  
NEAM INGV IT-NTWC TSUNAMI SERVICE PROVIDER  
ISSUED AT 2354Z 25 OCT 2018

... TSUNAMI WATCH ONGOING ...  
THIS ALERT APPLIES TO GREECE

... TSUNAMI ADVISORY ONGOING ...  
THIS ALERT APPLIES TO ALBANIA ... GREECE ... ITALY

THIS ALERT IS ADDRESSED TO ALL COUNTRIES AND INSTITUTIONS SUBSCRIBED  
TO THE SERVICES OF INGV TSP IN ITS MONITORING AREA

THIS MESSAGE IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY  
NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE  
DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY  
ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS  
ORIGIN TIME - 2254Z 25 OCT 2018  
COORDINATES - 37.49 NORTH 20.54 EAST  
DEPTH - 19 KM  
LOCATION - COSTA\_OCCIDENTALE\_PELOPONNESO\_GRECIA  
MAGNITUDE - 6.8

ALERT LEVEL IS ASSIGNED ACCORDING TO THE ABOVE ESTIMATIONS OF  
EARTHQUAKE PARAMETERS AND BASED ON ICG/NEAMTWS DECISION MATRIX

#### EVALUATION OF TSUNAMI WATCH

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT GREATER THAN  
0.5M AND/OR CAUSE A TSUNAMI RUN-UP GREATER THAN 1M. THIS  
CENTER WILL CONTINUE TO MONITOR SEA LEVEL GAUGES NEAREST THE REGION AND  
REPORT IF ANY ADDITIONAL TSUNAMI WAVE ACTIVITY IS OBSERVED. AUTHORITIES  
SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY.  
A TSUNAMI IS A SERIES OF WAVES AND THE FIRST WAVE MAY NOT BE THE LARGEST.  
TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND CAN VARY SIGNIFICANTLY ALONG  
A COAST DUE TO LOCAL EFFECTS. THE TIME FROM ONE TSUNAMI WAVE TO THE NEXT  
CAN BE FIVE MINUTES TO AN HOUR, AND THE THREAT CAN CONTINUE FOR MANY  
HOURS AS MULTIPLE WAVES ARRIVE.

#### EVALUATION OF TSUNAMI ADVISORY

SEA LEVEL READINGS INDICATE A TSUNAMI WAS GENERATED.  
THIS TSUNAMI CAN STRIKE COASTLINES WITH A WAVE HEIGHT LESS THAN 0.5M  
AND/OR CAUSE A TSUNAMI RUN-UP LESS THAN 1M., AT MORE THAN 1000 KM FAR  
FROM THE EPICENTER  
AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS  
POSSIBILITY.

#### EVALUATION OF TSUNAMI INFORMATION

BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI MODELLING THERE IS NO  
THREAT THAT A TSUNAMI HAS BEEN GENERATED THAT CAN CAUSE DAMAGE OR  
MAJOR EFFECT IN THE REGION. THIS MESSAGE IS FOR INFORMATION ONLY.

HOWEVER, AT SOME COASTS, PARTICULARLY THOSE NEAR THE EPICENTER, HIGHER  
TSUNAMIS MAY ARRIVE THAN OUR ESTIMATION.  
AUTHORITIES SHOULD BE AWARE OF THIS POSSIBILITY.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN  
THE WATCH AREA ARE GIVEN BELOW. ACTUAL ARRIVAL TIMES MAY DIFFER AND  
THE INITIAL WAVE MAY NOT BE THE LARGEST. A TSUNAMI IS A SERIES OF WAVES  
AND THE TIME BETWEEN SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.  
LOCATION, FORECAST POINT COORDINATES, ARRIVAL TIME, ALERT LEVEL  
(ADVISORY, WATCH)

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GREECE - KATAKOLO 37.64N 21.32E 2307Z 25 OCT WATCH  
GREECE - ZAKINTHOS 37.78N 20.91E 2308Z 25 OCT WATCH

GREECE - CEPHALONNIA\_ARGOSTOLI 38.19N 20.49E 2315Z 25 OCT WATCH

GREECE - KIPARISSIA 37.26N 21.66E 2313Z 25 OCT ADVISORY  
GREECE - KORONI 36.80N 21.96E 2319Z 25 OCT ADVISORY  
GREECE - KALAMATA 37.02N 22.11E 2321Z 25 OCT ADVISORY  
GREECE - KERKIRA\_PELEKAS 39.58N 19.81E 2325Z 25 OCT ADVISORY  
GREECE - KITHERA\_KAPSALI 36.14N 23.00E 2325Z 25 OCT ADVISORY  
GREECE - KAPSALI 36.14N 23.00E 2326Z 25 OCT ADVISORY  
GREECE - GITHEION 36.76N 22.57E 2328Z 25 OCT ADVISORY  
GREECE - PALEOCHORA 35.22N 23.68E 2330Z 25 OCT ADVISORY  
GREECE - IGOUMENITSA 39.51N 20.22E 2339Z 25 OCT ADVISORY  
GREECE - KASTELI 35.51N 23.64E 2340Z 25 OCT ADVISORY  
GREECE - MONEMVASIA 36.68N 23.04E 2341Z 25 OCT ADVISORY  
GREECE - CHANIA 35.53N 24.02E 2349Z 25 OCT ADVISORY  
GREECE - PATRA 38.25N 21.73E 2356Z 25 OCT ADVISORY  
GREECE - MILOS\_ADAMAS 36.72N 24.45E 0003Z 26 OCT ADVISORY  
GREECE - AIGIO 38.26N 22.08E 0014Z 26 OCT ADVISORY  
GREECE - PEIRAIAS 37.93N 23.62E 0025Z 26 OCT ADVISORY  
GREECE - SIROS\_ERMOUPOLI 37.44N 24.95E 0027Z 26 OCT ADVISORY  
GREECE - SYROS 37.44N 24.94E 0027Z 26 OCT ADVISORY  
GREECE - ITEA 38.43N 22.42E 0028Z 26 OCT ADVISORY  
GREECE - CORINTH 37.95N 22.94E 0033Z 26 OCT ADVISORY  
GREECE - ANDROS 37.84N 24.94E 0038Z 26 OCT ADVISORY  
GREECE - EVIA\_KIMI 38.62N 24.13E 0057Z 26 OCT ADVISORY  
GREECE - SKIATHOS 39.16N 23.49E 0109Z 26 OCT ADVISORY  
GREECE - VOLOS 39.35N 22.95E 0146Z 26 OCT ADVISORY  
GREECE - KATERINI 40.26N 22.60E 0208Z 26 OCT ADVISORY  
ITALY - CROTONE 39.08N 17.13E 2333Z 25 OCT ADVISORY  
ITALY - LE\_CASTELLA 38.91N 17.03E 2333Z 25 OCT ADVISORY  
ITALY - SIDERNO 38.27N 16.30E 2335Z 25 OCT ADVISORY  
ITALY - CATANZARO 38.83N 16.63E 2335Z 25 OCT ADVISORY  
ITALY - GALLIPOLI 40.05N 17.97E 2344Z 25 OCT ADVISORY  
ITALY - OTRANTO 40.15N 18.50E 2347Z 25 OCT ADVISORY  
ALBANIA - SARANDE 39.85N 20.00E 2358Z 25 OCT ADVISORY  
ALBANIA - VLORE 40.44N 19.48E 0000Z 26 OCT ADVISORY

MEASUREMENTS OR REPORTS OF TSUNAMI WAVE ACTIVITY  
GAUGE LOCATION LAT LON TIME AMPL PER

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GREECE - KIPARISSIA 37.26N 21.66E 2322Z 25 OCT 0.09M 7MIN  
ITALY - LE\_CASTELLA 38.91N 17.03E 2350Z 25 OCT 0.06M 3MIN  
LAT - LATITUDE (N-NORTH, S-SOUTH)  
LON - LONGITUDE (E-EAST, W-WEST)  
TIME - TIME OF THE MEASUREMENT (Z IS UTC TIME)  
AMPL - TSUNAMI AMPLITUDE MEASURED RELATIVE TO NORMAL SEA LEVEL  
IT IS ..NOT.. CREST-TO-TROUGH WAVE HEIGHT.  
VALUES ARE GIVE N IN METERS (M)  
PER - PERIOD OF TIME IN MINUTES (MIN) FROM WAVE TO THE NEXT.

SUPPLEMENT MESSAGES WILL BE ISSUED AS SOON AS NEW DATA AND  
EVALUATION ALLOWS. THE TSUNAMI ALERT WILL REMAIN IN EFFECT UNTIL  
AN END OF ALERT IS BROADCAST.

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