



## **Tsunami Warning System for the Eastern Mediterranean, Aegean and Black Seas**

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Bogazici University – KOERI is providing a Tsunami Warning System to Eastern Mediterranean, Aegean and Black Seas since 1 July 2012 as a Candidate Tsunami Service Provider (CTSP) within the ICG/NEAMTWS Framework. KOERI continues to operate 129 BB and 86 strong motion and 6 short period sensors. The regional coverage includes 77 stations from GFZ and additional 16 stations through bilateral agreements. During 2014, Romania and Russian Federation have subscribed to its services thanks to 2nd Tsunami Exercise of NEAMTWS - NEAMWave14, reaching a total of 11 NEAMTWS Member States as subscribers. No further progress could have been made in 2014 in the integration of the existing national-tide gauge stations due to the updated plans of the General Command of Mapping in charge of the operation of the national tide-gauge network. Collaborative activities with EC-JRC continued where a comprehensive tsunami scenario database for the Eastern Mediterranean, Aegean and Black Seas has been produced. In addition, KOERI also participated in EC-JRCs Global Tsunami Informal Monitoring Service Project and analyzed 16 tsunamigenic events around the globe. CTSP-TR continued to participate in the Communication Test Exercises (CTE) and Regular CTEs (RegCTE), and acted as the Message Provider for the NEAMWave14 Black Sea Scenario, where Black Sea was covered for the first time in a NEAMTWS Tsunami Exercise. New Operational Centre has been built and full integration is expected in the first half of 2015. Data preparation activities for the inundation maps at TFPs continued. KOERI also continued to improve its TWS through its involvement of EC funded FP-7 Projects ASTARTE and MARSite and currently focuses on a detailed NEAMTWS Performance Monitoring Framework with associated Key Performance Indicators. This presentation provides a status overview of the operational system while focusing on selected events, such as 12 October 2013 Mw 6.6 and 24 May 2014 Mw 6.9 Northern Aegean earthquakes, which continues to raise a concern on the interoperability issues within the NEAMTWS as a result of the co-operational status of several CTSPs.