



South Aegean Geodynamic And Tsunami Monitoring Platform

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The Aegean Sea is one of the most tectonically and seismically active areas in the world, thus constituting a Natural Laboratory. For the first time, a permanent multiparametric platform of networks that combine different (both terrestrial and space oriented) techniques, is established, in order to monitor the tectonic and volcanic activity in the area and produce an on-line database available both to the scientific community and the public. This platform includes continuous GNSS networks, tide-gauge sensors, accelerometers and seismographs. All the available existing infrastructure has been upgraded, enlarged and modernized resulting in a collaborative operation. New instrumentation has been installed in carefully selected sites. All the available data are analysed using state of the art processing software.

Raw data and products will be available through a project dedicated portal. The multiparametric data and results gathered will be integrated and combined with the existing archive owned by the participating institutes to produce a thoroughgoing view of the underlying geophysical processes. The island of Santorini will serve as a focused study case for the project, due to the special tectono-volcanic interest and because of the already existing dense multiparametric network. Our goal is to provide permanent infrastructure and knowledge both to enlighten ambiguous scientific hypothesis and serve as a focal point for further scientific research.