



## **The MEDiterranean SUPersite Volcanoes (MED-SUV) project**

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The MEDiterranean SUPersite Volcanoes (MED-SUV) project aims at gaining new insights in the knowledge of the processes on the base of the volcanic phenomena observable at the surface by using the broad inventory of multidisciplinary data available for Mt. Etna and Campi Flegrei/Vesuvius. These active volcanic areas, which have been here considered as a cluster of supersites, represent test cases since they embrace the main characteristics typical of both “opened- and closed-conduit” volcanic systems. For the purpose, MED-SUV objectives focus on the (i) development of novel monitoring instrumentations and data collection methods, (ii) implementation of the current observation infrastructures, (iii) better constraint of crucial volcanic parameters by integration of in-situ and satellite data, and (iv) the development of an e-infrastructure for data sharing. In this framework, MED-SUV is a great opportunity for scientific collaboration among diverse research institutions and industrial sectors. MED-SUV aims to use the achieved results to gain robust sets of multi-parametric observations using the most advanced analytic data processing techniques and volcanic process and hazard modelling methods. These will provide new insights in the current and past eruptive activity of the three test case volcanoes that will increase our technical-scientific ability of tracking volcanic-related hazards in the targeted areas, and of communicating with the proper decision-maker bodies. The implementation of an e-infrastructure compliant with EPOS and the other two supersite projects, MARSite and FUTUREVOLC, will contribute to the GEO/GEOSS interoperability principles and to the GEO 2012-15 work plan.