Partner Search Form

Contact Details

Organization Name:	Department of Earth Sciences of Sapienza, University of Rome
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Organization details

Country:	Italy
Organization type:	• University
Organization description (max 500 characters):	Department of Earth Sciences of Sapienza, University of Rome have the mission to promote the cultural development and the scientific research of the several fields composing the Earth Sciences. Within this frame, the department program deals with the most advanced topics of the Earth Sciences with application to various issues concerning geomaterials, environment and territory management. In particular, the Department of Earth Sciences of Sapienza, University of Rome is provided with the analytical equipment (XRD, ICP-MS, XRF, FE-SEM, FE-EMPA and EMPA) for the textural and geochemical characterization of rocks and experimental samples and with the facilities (vertical furnaces, external heating pressure vessels, solid media pressure vessel) necessary to carry out high temperature and high pressure experiments on natural and synthetic materials.

Sector of interest

H2020 Programme	Sustainable production of raw materials
Research topic:	SC5-11

Expertise

Description of the expertise (max 2000 characters):	Geochemistry: chemical characterization (major elements, trace elements and REE) of sedimentary, igneous and metamorphic rocks. Igneous and metamorphic petrology: textural and chemical characterization of rocks from Italian and worldwide distributed volcanoes; origin and evolution of K-magmatism of the periterrian region; magma-crust interaction.

	Volcanology: field work in Italian (Vulsini, Sabatini, Colli Albani, Vesuvius, Campi Flegrei, Stromboli, Etna) and worldwide distributed (Africa, Indonesia, Australia) volcanic areas. The field work is mainly devoted to the recognition of stratigraphy and to collect samples to be used in petrological studies, but also to perform high-speed imaging for monitoring purposes. Experimental petrology: phase equilibria experiments under controlled conditions to define the liquid line of descent of magmatic systems; magma-carbonate interaction at both, short and long experimental duration to understand the kinetics of carbonate assimilation; electrical conductivity measurements in silicate melts. I have experience on the following analythical and experimental apparata: Atmospheric pressure quench furnaces, internally heated pressure vessel, externally heated pressure vessel, piston cylinder, optical microscopy, scanning electron microscopy, electron microprobe ; ion microprobe, XR spectroscopy, FT-IR, RAMAN, synchrotron, ICP-MS; gas-cromatography.
Keywords describing the expertise offered:	Geochemistry; Igneous and metamorphic petrology ; Volcanology; Experimental petrology
Committment offered:	• Research • Training • Management

Previous experience in FP Project

Former participation in FP European Projects?:	NO
Project Title/Acronym:	
Activities performed:	•

International Cooperation

Interest in international cooperation:	YES
Geographical area(s) of interest:	• Mediterranean area • Asia • Africa • Latin America • Australia

I agree with the publication of my data