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Italian Society of Mineralogy and Petrology

NATIONAL GROUP FOR GEORESOURCES, ENVIRONMENT AND CULTURAL HERITAGE

On September 9, 2003, researchers working mainly in the applied fields of the Earth sciences related to the environment, cultural heritage, ore deposits, archaeometry, and the geological applications of raw materials for industry founded the Gruppo Nazionale Georisorse, Ambiente e Beni Culturali (National Group for Georesources, Environment and Cultural Heritage), shortened to G.A.Be.C.

Researchers come from different branches of the Earth sciences, mainly from mineralogy, petrology, and ore deposits. The group has a president (Prof. Maurizio De Gennaro, University of Napoli), a board of five members, and an assembly composed of all members, representing about 30 Italian universities. The Group promotes its activities in coordination with the Italian Society of Mineralogy and Petrology (SIMP) and national groups in the fields of mineralogy, petrology, and volcanology (GNM, GNP, GIV). The aim of the group is mainly to spread information about applied research in Earth sciences through scientific meetings and environmental studies, and by providing expertise on the

efficient use of our georesources. Attention is also paid to the protection of geosites and to the promotion of geominerological parks. The group held its first meeting in December 2003 in Napoli, and since then has held meetings in Firenze (February 2005) and Spoleto (September 2005). An international workshop on non-sulfide Zn–Pb ore deposits, sponsored by the European Science Foundation (ESF-LESC), was organized by Maria Boni (Università di Napoli) and H. Albert Gilg (Technische Universität München) and held in Iglesias (Sardinia) in April 2005. More information on G.A.Be.C. and its activities can be obtained at the group website (www.gabec.it).



International School of Mineralogy HP–HT Mineral Physics

The Italian National Group of Mineralogy (GNM) is pleased to announce an International School of Mineralogy on the theme "HP-HT Mineral Physics – Implications for Geosciences," which will be held in Bressanone (Bolzano, northern Italy), February 11–15, 2008. The aim of the school is to show how experimental data collected on minerals under non-ambient conditions (HP and HT) can be crucial in petrology, geodynamics, and geophysics on a global scale. The school is directed at young researchers in mineralogy, crystallography, petrology, and geophysics, and the invited speakers are among the most eminent scientists in the field. Theoretical and practical lessons are scheduled. The official language of the school will be English.

The invited speakers are Ross Angel (Virginia Tech, USA), Nancy Ross (Virginia Tech, USA), Sergio Speziale (GeoForschungsZentrum Potsdam, Germany), Jennifer Jackson (California Institute of Technology, USA), Alessandro Pavese (Università di Milano, Italy), Fernando Cámara Artigas (CNR, Pavia, Italy), Paolo Ballirano (Università "La Sapienza," Rome, Italy), Patrizia Fumagalli (Università di Milano, Italy), Paolo Nimis (Università di Padova, Italy), Taras Geyra (ETH Zürich, Switzerland).

For up-to-date information, visit

<http://simp.dst.unipi.it/GNM/2008school/index.htm>

INTERNATIONAL SCHOOL OF ISOTOPE GEOLOGY



An international school entitled "Isotope Geology: Frontiers in Petrogenesis and Magmatology and Applications to Archaeometry and Environmental Sciences" was organized by the Gruppo Nazionale di Petrografia (GNP) and the Gruppo Italiano di Vulcanologia/Associazione Italiana di Vulcanologia (GIV-AIV), in collaboration with and cosponsored by ThermoScientific. It was held at the Hotel Castagnola in Verbania – Pallanza, from 18 to 22 June 2007.

The school was attended by 73 PhD students and young researchers from various European (Spain, England, France, Switzerland, Italy, Germany, Romania) and non-European (Iran, Mexico) countries. Twenty-two lectures and eight case studies were presented, and students were given the chance to present posters of their own work. The school provided the opportunity to discuss current knowledge on the application of traditional and frontier isotope science in a large spectrum of topics, including the early chronology of the solar system using short-lived isotopes; the isotopic evolution and state of heterogeneity of the mantle; the timescales of magma chamber processes; recent developments in *in situ* isotope analysis for tracking volcanic processes and for dating metamorphic crystallization and cooling ages; the use of isotopes for tracking paleoclimate, for determining the geographical provenance of foods, and for monitoring air and soil pollution; and application of isotopes to archaeometry.



Students and teachers at the School of Isotope Geology in Verbania

ThermoScientific and GV Instruments experts gave lectures on the principles and applications of TIMS and MC–ICPMS. Speakers were R. Avanzinelli, M. Bizzarro, A. Boriani, F. Castorina, G. Cavazzini, L. Civetta, G.D. Davies, G. Di Vincenzo, T. Elliott, L. Francalanci, A. Galy, D. Hamilton, A.W. Hofmann, S. Hölzl, S. Jung, U. Masi, M. Moreira, D. Morgan, P.M. Nuccio, R. Petrini, E. Rampone, J. Schwieters, N. Shimizu, S. Sinigoi, M. Tiepolo, S. Tommasini, and S. Tonarini. Participants presented their research topics and results during a poster session, which successfully promoted discussion and interaction among lecturers and young researchers.

Extended abstracts of the lectures given at the school will be published in a special volume of *Acta Vulcanologica*. Information on the volume and pdf files of lectures will be available at the school website (<http://simp.dst.unipi.it/ScuolaGNP2007/>).

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Lorella Francalanci (GIV-AIV)
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