



Volcanoes, Landscapes and Cultures

First World Conference

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Abstracts received till 15th September

Nature and Sciences

A review of Carbonatitic Magnetism in the Parana-Angola-Namibia system *(By Piero Comin-Chiaramonti – Trieste University)*

The observed Dykes and other deformations in the South flank fractures system of the Nyiragongo volcano since 2004 to 2008, DRC, East African Rift Valley
(by M. Ciraba, K. Mukambilwa, M. Wafula, M. Kasereka, Jc. Komorowsky, N. Houlie – Goma Volcano Observatory Dem. Rep. of Congo)

The importance of field studies for mitigating volcanic hazards from explosive eruptions
(by D. Andronico INGV Catania)

Volcanic eruptions phenomenon in Virunga Region, Western Rift Valley of Africa
(by Wafula M., Kasereka M., Yalire M. and Ciraba M – Goma Volcano Observatory Dem Rep of Congo)

Preliminary Temporal Variation of Volcanic Ash adherent water-soluble components at Stromboli Volcano during 2004-2009 eruptive events
(by E. Bagnato, A. Aiuppa, University of Catania, and D. Andronico, A. Cristaldi, L. Miraglia, R. Corsaro, INGV Catania)

The history of geological cartography of Etna from the 19th century until today: the progress on the geological knowledge of the volcano *(by Stefano Branca and Mauro Coltelli – INGV Catania)*

Geological Landmarks of Ukraine *(by Dymytro D. Mormul, Sergiy V. Goshovskiy and Borys I. Maliuk – State geological survey of Ukraine)*

Atmospheric H₂S concentrations in fumarolic areas of the Aegean volcanic arc – Greece *(by d'Alessandro W., Bellomo S., Brusca L. – INGV Palermo and Kyriakopoulos K. – University of Athens dpt of Geology)*

Lemptégy volcano: eviscerating the story of a small volcano
(by Van Wyk de Vries B. – CNRS Observatoire de physique du globe de Clermont, Dalcamp A. – dpt of geology Trinity College of Dublin, Petronis M. – New Mexico Highlands University, and Troll R. – Uppsala University)

**Petrogenesis of NW aligudarz granitoid in Sanandaj – sirjan Metamorphic belt,
Iran**

(by Esmail Darvishi – Islamic Azad University Iran)

**A contribution to the volcanic hazard and risk evaluation due to lava stream in the
low eastern slope of Mount Etna**

*(by Rasa R., Tripodo A., Casella S. – Dpt of Earth Sciences
University of Messina, and Szilagy M. L. – Oradea University Romania)*

**Risks Prevention Plans (RPP) and the vulnerability of peoples around volcanoes:
Case study of Mount Cameroon**

*(by A. Zogning, C. Ngouanet, D. Tchoudam, P. Thierry, E. Kouokam – Azomarc Foundation Cameroun, F.
Buongiorno, M. Pannaccione Apa, C. Spinetti, C. Bignami – INGV Catania)*

**Dangerous atmospheric sulphur dioxide concentrations at crateric areas of Italian
active volcanoes**

*(by Aiuppa A., Bellomo S., Bonfanti P., Brusca L., d'Alessandro W., Longo M., Maugeri R. – INGV
Palermo)*

Touristic Attraction vs. CO2 Hazard at the Monte Amiata Volcano – Italy

*(by O. Vaselli, F. Tassi, B. Nisi, D. Rappuoli, V. Pancioli, S. Ucciero – Dpt of Earth Sciences, University of
Florence)*

**Combined Seismic, Thermal, Geochemical and Electromagnetic Studies of the
Growing Unrest of Taal Volcano**

*(by Julio Sabit and Juan Cordon Jr. – Philippines Institute of
Volcanology and Seismology)*

**Slope instability and hazard zonation mapping using Remote Sensing and GIS
technique in Abay Gorge (Gohatsion – Dejen), Central Ethiopia**

*(by Shiferaw Ayele –
geological survey of Ethipia, and Tarun K.Raghuvanshi – dpt of earth sciences Addis Ababa University)*

The study of the eastern side of Mount Etna through digital stereophotogrammetry

(by Mariateresa Galizia and Cettina Santagati – University of Catania dpt of engineering)

Full Scale evaluation of Atmospheric mercury emissions from active volcanoes

(by E. Bagnato, F. Parello, A. Aiuppa, M. Valenza, S. Calabrese, University of Palermo)

**The Characteristics and Potentials of the first geopark in the Middle-East:
Qeshm Geopark**

*(By Mousazadeh Roya – M.sc of Environmental Management, department of Environment, Azad
University Iran, Sabouri Tahereh Ph.D of physical geomorphology, Azad University, and
Fazokhizadeh Reza, M.sc of Environmental design engineering, University of Teheran)*

**Highlights on seismicity, volcanic history and flooding of Ischia Island (Italy):
for a conceptual model of geological risks**

(by Giuseppe Luongo Department of earth sciences, University Federico II of Naples Italy)

**Social, Economic and Risk Management: the complex juggling act required
around Vesuvius**

(by Jonathan Karkut – London Metropolitan University, and Silvia Barbone – Jlag Consulting)

Recent Volcanic activity on Popocatepetl and Colima Volcanoes and its impact

(by Ana Lillian Martin Del Pozzo, Amiel Nieto, Anaid Perez, Mirna Garcia, Fabiola Mendiola, and Rita Fonseca – Instituto de Geofisica, Universidad Autonoma de Mexico)

Biomonitoring of Volcanic Trace elements using two endemic species (Senecio Aethnensis and Rumex Aethnensis) on Mount Etna

(by S. Calabrese, W. d'Alessandro, Dip. C.F.T.A Palermo, S. Bellomo, L. Brusca, INGV Palermo, F. Parello, ITAF Physica Palermo)

The Catania Astrophysical Observatory inside the ‘Parco dell’ Etna’’: Science and Science Dissemination

(by G. Leto, G.Cutispoto, G. Strazzulla, Catania Astrophysical Observatory, and F. Zuccarello, University of Catania)

LES ERUPTIONS EXPLOSIFS DU KARTHALA : ANALYSE ET DESCRIPTION

(by Hamidi Soulé Volcano observatory of the Comoros)

Choice of Forest based on the chemical-physical analysis of soils

(by Giuseppe Pio, University of Catania)

The contribution of volcanoes to the atmospheric trace metals budget in the Mediterranean basin *(by S. Calabrese, E. Bagnato, W. d'Alessandro, F. Parello, University of Palermo)*

The 2002 Stromboli tsunamis: numerical simulation and impact on the coast *(by Tinti S., Zaniboni F., Armigliato A., Pagnoni G., Tonini R., Gallazzi S., Bressan L., Department of Physics, University of Bologna Italy)*

Nature and culture

World Heritage Volcanoes: A global review and their role in the management of the world’s volcanic estate *(by Chris Wood - School of Conservation Sciences)*

The Culture of volcanology: Ethnographical reflection on Monitoring and research *(by Amy Donovan, clive Oppenheimer, and Michael Bravo – University of Cambridge)*

Il Paesaggio Etneo nei viaggiatori del 700’ e 800’ *(by Prof. Giuseppe Carta)*

Etna and Lava’s architecture *(by Linda Barnobi and Alessia Giuffrida, Faculty of Engineering, University of Catania)*

Perception of volcanic risk in Italy: Etna, Vesuvio, Campi Flegrei *(by Nave R., Isaia R. – Osservatorio Vesuviano, Barberi F. – University of Rome, Davis M. University of California, and Ricci T. – INGV Roma)*

Etna and Galleys *(By Pietro Maniscalco)*

**How can Protected Areas offer local people a chance to participate and benefit?
Three case studies from protected areas on volcanic islands: Etna –Italy, Morne
Trois Pitons-Dominica and Soufrière – Guadeloupe France** *(By Birgit Reutz-Hornsteiner)*

The Landscape of Pantelleria Island: Development Perspectives *(by Domenico
Constantino - University of Palermo)*

**Identification and Preservation of Geoheritages by creating geoparks and
development of geotourism - Case study: Dorfak and Deylaman no hunting zone,
Province of Gilan – Iran** *(by Sabouri Taereh – PhD of Physical Geography, Azad University, and
Mousazadeh Roya – M.Sc of Environmental Management, Azad University)*

The Chaîne des Puys : a rich, unique volcanic heritage environment
(by Van Wyk de Vries B. and Boivin P. – CNRS Observatoire de physique du globe de Clermont)

**Panarea Volcano - The first cell of a museum of territorial culture heritage of
Aeolian island** *(by Vincenzo Cabianca and Adriana Pignatelli Mangoni)*

**Storia ed evoluzione dei centri storici del cono vulcanico etneo in età moderna e
contemporanea** *(by Spina Rosangela Antonella – Università di Catania)*

**The distant connection between volcano and culture: the use of Rhenish tuff and
trass in the Netherlands** *(by Timo G. Nijland and Rob PJ Van Hees – Faculty of architecture)*

Guan Chenech – The Canary Islands and Guanche culture *(by Sergio Barrera Rodriguez –
Gestion de servicios para la salud y seguridad en Canarias, Fabrizia Buongiorno –INGV Roma, and Ilaria
Pannacione Apa – INGV Roma)*

Conservation of the Cavate Dwellings of Bandelier National Monument *(by Angelyn
Bass – Conservation Associates, and Lauren Meyer – National Park Service Bandelier National
Monument)*

**The Volcanic Landscapes in the disaster Mythology of Ancient Mediterranean
World** *(by Kyriakopoulos K., Louapi A. and Pamarinopoulos S. – Universities of Athens and Patras)*

**The Johnston-Lavis Collection hidden archives: South Italian volcanic phenomena
as seen through 19th century artworks and photographs** *(by Emma Passmore, Jayne Dunn –
Geology Collections University College of London and Wendy Kirk – Earth Sciences University College of
London)*

On Volcanoes of Atlantis – Eolian Islands as a theatre of poetry
(by Vincenzo Cabianca)

**Literature and the public consciousness: Montserratian verse and the descriptive
reconstruction of an island** *(by Amy Donovan, Clive Oppenheimer and Michael Bravo – Dpt of
Geography University of Cambridge)*

Emotions and turmoil from the Images of 18th century travellers from Volcano Vesuvius to the Aeolian Islands and to Malta. *(by Adriana Pignatelli Mangoni and Vincenzo Cabianca)*

The Myth of Etna: between Literature and Cinema
(by Caterina Cirelli, University of Catania, and Enrico Nicosia, University of Macerata)

A Geologic Journey to the Volcanic Underworld of Virgil's Aeneid *(by Ann C Pizzorusso)*

Environmental education and cultural touring at the base of a correct and sustainable fruition of the Etna's landscape
(by Arena Grazia , Fabio Famoso, University of Catania)

The Karthala: Taming a monster and unearthing its riches
(By Opia Mensah Kumah, Youssouf Mbechezi and Anlia Mze Ahmed Abdallah (UNDP Representatives in the Comoros)

The impact of an NGO on volcanic hazard perceptions and disaster preparedness in Los Planes de La Laguna, El Salvador
(by Luke Bowman, Technical University of Michigan, USA)

Experiences from the Participative Workshop: Knowledge Sharing and Collaboration in Volcanic Risk Mitigation at Galeras Volcano, Colombia *(by Luke Bowman, Technical University of Michigan, USA)*

La forêt du mont Karthala : une « vitrine » de la riche biodiversité des Comores
(by M. Mohamed ALI MLAZAHAHE and Dr Achmet Said Mohamed, representatives of UNDP for the Comoros)

The Influence of volcanic topography on Etruscan culture *(by Ann C. Pezzirusso)*

Nature, Culture and Development, Ecosystems and Landscape Management: A tool in need for Sao Tome e Principe *(By Henrique Pinto da Costa – NGO Eco-Sao Tome)*

Sustainable Development – New and Traditional Resources Uses

Ethnic Batik : Designing Malaysian Cultural Tourism Fabrics *(by Roseni Ariffin, Noorhayati Mansor, Bamini KPD Balakrishnan, Ruth Sikopit Siganul – University of Malaysia)*

Systemic development of Etnean wine-growing and producing
(by Donia E., Sgroi F, Researchers of Economics and Rural Estimates, University of Palermo, and Tudisca S. Professor of Agricultural Policy University of Palermo),

Agricultural relevance of wine grape and fruit tree crops on Etna Volcano *(by Alberto Continella)*

Branding Etna as a valuable economic resource for tourism attractiveness and neighbourhood competitiveness

(by Benedetto Puglisi and Rosario Faraci – University of Catania)

Volcanoes: Surprising Landscapes

Making the most of geological heritage: geo-monuments of Sao Jorge Island, Azores

(by Zoraida Roselló Espuny & Eduardo Guimarães)

Turismo cultural en la region sur de Jalisco – Mexico

(by Josè G. Vargas-Hernández - Centro Universitario de Ciencias Económico Administrativas U de G. Jalisco Mexico)

Volcano and geothermal tourism: Recreation or adventure

(by Patricia Erfurt Cooper)

Immobile Resources and investment specificity: the Mount Etna

(by Maurizio Caserta, Rosario la Rosa, Maria Musumeci)

Relationships between volcanic landscapes and eruptive processes: Examples from different volcanoes

(by D. Andronico INGV Catania)

Mount Etna: from the grand tour to the today's tourism

(by Paola Daniela Smecca, Facoltà di Lingue e Letterature Straniere, Università di Catania)