

QUANTIFYING LONG- AND SHORT-TERM VOLCANIC HAZARD
Building Up a Common Strategy for Italian Volcanoes

Erice (Sicily), 6 – 8 November 2006

Program

FIRST DAY (Volcanic hazard assessment, mitigation issues, and management)

09:00 – Welcome and Introduction

09:15 – Franco Barberi: The management of volcanic crises in last decades

10:00 - Chris Newhall: Different degassing styles, different mitigation issues

10.45 – Bernardo De Bernardinis: Civil Protection System organization: volcanic risk, mitigation and management

11:30 – COFFEE BREAK

12:00 – Alessandro Bonaccorso: The Etna 2002-03 effusive-explosive eruption: multidisciplinary insights and aspects of crisis management

12:45 – Rocco Favara: Geochemical approach to the assessment of volcanic hazard

13:30 – LUNCH

15:15 – Paolo Papale: The January 2002 Nyiragongo eruption: lessons from a case of lava flow impact with a big town

16:00 – John Pallister: Hazard communications in crisis and political domains

16.45 – COFFEE BREAK

17:15 – First panel discussion on volcanic hazard assessment

18:30 – A. Bonaccorso, M. Neri, G. Tomarchio. Projection of the movie: “The perfect Eruption. Etna 2002-03”

SECOND DAY (Volcanic hazard assessment, mitigation issues, and management)

09:15 – Willy Aspinall: Living long-term with an erupting volcano and watching it: the Montserrat scientific experience

10:00 – Mauro Rosi: Eruptive crises in calderas: issues and lessons learnt from recent events

10:45 - COFFEE BREAK

11:15 – Chuck Connor: Volcanic hazard evaluation for critical facilities: examples from Japan, US, and Armenia

12:00 – Giovanni Macedonio: Monitoring and unrest management in the Neapolitan volcanic area

12:45 LUNCH

14:30 – Gordon Woo: Volcano Crisis Risk Management: Lessons from Hurricane Katrina

15.15 – Paolo Gasparini: Multi-hazard and multi-risk approaches to probabilistic estimate of hazard scenarios and risk parameters

16:00 – COFFEE BREAK

16:30 – Second panel discussion on volcanic hazard assessment

18:30 – C. Freda, P. Scarlato. Projection of the movie: “The 2002 – 2003 Stromboli eruption”

THIRD DAY (highlights from INGV-DPC and other volcanic hazard projects)

09:00 – Alessandro Tibaldi: Tectonic and volcanic activity along the Stromboli rift zone and the reciprocal influence on lateral collapses: subaerial and submarine data

09:30 – Fancesca Bozzano: Landslide hazard of crater slopes in the frame of INGV-DPC V3_1 Colli Albani project

10:00 – Lucia Civetta: Volcanic hazard assessment at Campi Flegrei caldera: new constraints from the INGV-DPC project V3_2

10:30 – Giovanni Orsi: Volcanic and related hazards at the island of Ischia

11:00 – COFFEE BREAK

11:30 – Raffaello Cioni: Volcanological and geophysical studies for the definition of eruption scenarios at Mt. Vesuvius

12:00 – Augusto Neri: Assessing the volcanic risk: the contribution of the EXPLORIS project

12:30 – Maria Teresa Pareschi: Short- and long-term volcanic hazard: is there a boundary? The example of Campanian lahars

13:00 – LUNCH

14:30 – Pierfrancesco Dellino: Assessing the hazard of pyroclastic flows by the shear current impact parameter statistics: an integrated field-experimental-numerical approach

15:00 – Ciro Del Negro: Simulations of lava flows at Mt Etna for hazard assessment

15:30 – Mauro Coltelli: The INGV-MIUR Project "Monitoring of Etna Ash Emissions": a new tool for managing the ash cloud hazard at Mt. Etna volcano

16:00 – Luigi Tortorici: The role of the structural analysis in defining volcanic hazard: examples from Pantelleria and Sicily channel

16:30 – COFFEE BREAK

17:00 – Warner Marzocchi: The INGV-DPC project V4: new quantitative tools for volcanic hazard assessment and eruption forecasting.

17:30 – Giovanni Chiodini: Dangerous gas emissions in Italy: origin and gas hazard

18:00 – General Discussion

19:30 – END OF WORKSHOP