



Conferenza A. Rittmann

Nicolosi (Catania), 29-31 Ottobre 2014

ELENCO POSTER

SESSIONE 1 - GEOLOGIA E STRUTTURA DEI VULCANI

S1 - 01

Seismological constraints on deep seismicity occurring in the northwestern flank of Mt. Etna

Salvatore Alparone, Graziella Barberi, Giuseppe Di Grazia, Ferruccio Ferrari, Elisabetta Giampiccolo, Vincenza Maiolino, Antonino Mostaccio, Carla Musumeci, Luciano Scarfi, Antonio Scaltrito, Andrea Ursino

S1 - 02

Dynamics of Vulcano Island investigated by long-term (40 years) geophysical data

Salvatore Alparone, Alessandro Bonforte, Salvatore Gambino, Francesco Guglielmino, Francesco Obrizzo, Rosanna Velardita

S1 - 03

Discovery of Etna pumice fall deposits in the Nebrodi Mountains, NE Sicily

Stefano Branca, Paola Del Carlo

S1 - 04

The oceanographic cruise TOMO-ETNA on R/V Galatea

Danilo Cavallaro, Erika Buttarò, Cosmo Carmisciano, Luca Cocchi, Mauro Coltelli, Antonino D'Alessandro, Giuseppe D'Anna, Roberto D'Anna, Daniele Dell'Anna, Gioacchino Fertitta, Marco Filippone, Fausto Grassa, Jesus Ibáñez Godoy, Filippo Muccini, Giuseppe Passafiume, Domenico Patanè, Alessio Sabbatini, Stefano Speciale.

S1 - 05

TOMO-ETNA: an active Seismic Experiment at Etna volcano

Ornella Cocina, Luciano Zuccarello, Alejandro Díaz-Moreno, Janire Prudencio, Danilo Cavallaro, Marco Firetto Carlino, Mauro Coltelli, Francisco Carrion Mendez, Cosmo Carmisciano, Giuseppe D'Anna, Birger Lhur, Jesus Ibáñez Godoy, Domenico Patanè and TOMO-ETNA working group

S1 - 06

Ash leachates from Mt. Etna (Italy) and Popocatepetl (Mexico) volcanoes and their impact on environment

Maria D'Addabbo, Roberto Sulpizio, Massimo Guidi, Giancarlo Capitani, Paride Mantecca

S1 - 07

High Resolution Aeromagnetic Anomaly Map of Mount Etna volcano, Southern Italy

Francesca D'Ajello Caracciolo, Iacopo Nicolosi, Roberto Carluccio, Stefano Chiappini, Riccardo De Ritis, Alessandra Giuntini, Valerio Materni, Alfio Alex Messina, Massimo Chiappini

S1 - 08

The Mt Etna Plumbing System from velocity and Attenuation Tomography: results from 1994 until present datasets

Pasquale De Gori, Claudio Chiarabba, Domenico Patanè, Elisabetta Giampiccolo, Ornella Cocina, Graziella Barberi

S1 - 09

A song of mud and fire: the impact of volcanic and related phenomena on human settlements at Ischia, from Neolithic to Roman times

Sandro de Vita

S1 - 10

Geochemical Investigations for the assessment of Geothermal Resources in Sicily (southern Italy)

Assunta Donato, Orlando Vaselli, Franco Tassi, Achille Minissale, Adele Manzella

S1 - 11

Conservation of volcanic landscapes: a multidisciplinary approach for the delimitation of the main volcanic edifices of Sardinia (Italy)

Filippo Mundula, Maria Teresa Melis, Raffaello Cioni, Francesco Dessì, Antonio Funedda, Elisabetta Danila Patta

S1 - 12

Imaging the earliest shallow feeder system of Etna volcano from aeromagnetic data

Iacopo Nicolosi, Francesca D'Ajello Caracciolo, Stefano Branca, Massimo Chiappini

SESSIONE 2 - DINAMICHE ERUTTIVE E MECCANISMI DEPOSIZIONALI

S2 - 01

Understanding the mechanisms driving large-scale basic Plinian eruptions from textural and rheological studies on the Pozzolane Nere eruption (Colli Albani, Italy)

Silvia Campagnola, Claudia Romano, Guido Giordano, Alessandro Vona

S2 - 02

Textural and Rheological Constraints on the fallout- PDCs transitions of the Agnano-Monte Spina eruption (Campi Flegrei, Italy)

Silvia Campagnola, Claudia Romano, Alessandro Vona, Guido Giordano, Roberto Isaia

S2 - 03

Detection of volcanic plumes in atmospheric particulate of distal environments

Chiara B. Cannata, Claudia R. Calidonna, Paolo Bonasoni, Maurizio Busetto, Paola Donato, Daniele Contini, Paolo Cristofanelli, Rosanna De Rosa, Adele Dinoi, Daniel Gulli, Tony C. Landi, Angela Marinoni, Anna M. Sempreviva

S2 - 04

The last Vesuvius eruption on March 1944: Magma Evolution and Eruptive Dynamics

Elena Cubellis, Aldo Marturano, Lucia Pappalardo

S2 - 05

Eruption dynamics and emplacement mechanism of the Punta Chiarito Tephra (Ischia, Italy): stratigraphic, sedimentologic and petrological data

Sandro de Vita, Fabio Sansivero, Monica Piochi, Gianluca Minin

S2 - 06

Volcaniclastic sand provenance in magmatic arc setting: an example from Lipari Island beaches (Aeolian Archipelago, Tyrrhenian sea).

Consuele Morrone, Rosanna De Rosa, Emilia Le Pera, Kathleen M. Marsaglia

S2 - 07

Ash production within a pyroclastic flow: grain-size variations due to mechanical grinding

Filippo Mundula, Claudia D'Oriano, Raffaello Cioni, Antonella Bertagnini, Michela Casu

S3 - 01

Hydrothermal alteration of xenoliths from Miocene tuff breccias from Valle Guffari (Sicily-Italy)

Andrea Bloise, Manuela Catalano, Rosalda Punturo, Chiara B. Cannata, Eugenio Barrese, Rosanna De Rosa

S3 - 02

Mount Etna 2011-2013: three years of paroxysmal eruptions reveal the complex history of magma storage, transfer and recharge at the volcano

Rosario Calcagno, Ileana Garozzo, Marisa Giuffrida, Eugenio Nicotra, Marco Viccaro

S3 - 03

Investigation on the lava fountain events occurred at Etna between 2011 and 2013

Sonia Calvari, Alessandro Bonaccorso, Alessandra Pellegrino

S3 - 04

The deep plumbing system of Mt. Etna: temporal evolution detected by the study of sub-aphyric primitive magmas

Rosa Anna Corsaro, Nicole Metrich

S3 - 05

Magmatic processes revealed by textural and compositional features of large anorthoclase crystals from the Lajes-Angra Ignimbrite (Terceira Island, Azores)

Claudia D'Oriano, Patrizia Landi, Adriano Pimentel, Vittorio Zanon

S3 - 06

Insight on the Recent Magmatic System of Lipari and Vulcano on the basis of new structural and geochemical data

Rosanna De Rosa, Eleonora Braschi, Riccardo Di Lorenzo, Sara Di Salvo, Federico Di Traglia, Paola Donato, Lorella Francalanci, Anna Gioncada, Eugenio Nicotra, Marco Pistoiesi, Joel Ruch, Luigina Vezzoli, Marco Viccaro

S3 - 07

Constraining chronology and time-space evolution of Holocene Volcanic Activity on the Capelo Peninsula (Faial Island, Azores): the Paleomagnetic Contribution

Anita Di Chiara, Fabio Speranza, Massimiliano Porreca, Adriano Pimentel, Francesca D'Ajello Caracciolo, José Pacheco

S3 - 08

An FT-IR melt inclusions study in pre-Green Tuff tephra, Pantelleria (Italy)

Emanuela Gennaro, Giovanni Lanzo, Silvio Rotolo, Alessandro Ciulla, Antonella Fontana

S3 - 09

Tectonically-controlled magma transfer during the 1783-84 AD eruption at the Laki fracture (Iceland) inferred from compositional and temporal records preserved by olivine crystals

Federico G. Giglio, Marisa Giuffrida, Marco Viccaro

S3 - 10

Cooling and crystallization of trachytic enclaves in pantelleritic magmas (Pantelleria, Italy): inferences on pantellerite petrogenesis

Patrizia Landi, Silvio G. Rotolo

S3 - 11

The different explosive styles of Stromboli volcano by remote controlled OP-FTIR (CERBERUS) measurements

Alessandro La Spina, Mike Burton, Tommaso Caltabiano, Roberto Maugeri, Filippo Murè

S3 - 12

Geochemical composition of noble gases in volcanic rocks of Vulcano Island (Aeolian Islands, Italy) and comparison with fumarolic fluids

Michela Mandarano, Antonio Paonita, Marco Viccaro, Mauro Martelli, Andrea L. Rizzo, Eugenio Nicotra

S3 - 13

Petrophysical properties of the sub-Hyblean lithosphere: insight from deep-seated xenoliths

Rosalda Punturo, Agata Cristaldi, Roberta Occhipinti

S3 - 14

Experimental constraints on pre-eruptive conditions of trachytic magmas at Pantelleria Island

Pierangelo Romano, Joan Andujar, Ida Di Carlo, Nunzia Romengo, Silvio G. Rotolo, Bruno Scaillet

S3 - 15

A melt inclusion study of mafic to felsic tephra at Ustica Island, Southern Tyrrhenian Sea

Pierangelo Romano, Giovanni Lanzo, Silvio G. Rotolo

S3 - 16

SO₂ flux at Mount Etna between 2005 and the 2011: results and perspectives

Giuseppe Salerno, Mike Burton, Tommaso Caltabiano, Vincenza Longo, Filippo Murè

S3 - 17

Influence of tectonics on storage and transfer mechanisms of basaltic magmas emitted in the north-western sector of Pantelleria

Francesco Santonocito, Luigi Tortorici, Marco Viccaro

S3 - 18

En-route formation of highly silica-undersaturated melts through interaction between ascending basalt and serpentinite-related saline brines: inference from Hyblean Cenozoic nephelinites, Sicily

Vittorio Scribano, Marco Viccaro

S3 - 19

Characteristics of the enriched source of mildly alkaline basalts erupted at the Eyjafjallajökull volcano, Iceland

Salvatore Urso, Marco Viccaro, Marisa Giuffrida, Eugenio Nicotra, Rosanna De Rosa

S3 - 20

Petrology and geochemistry of basalts of monogenic cones in the northern Main Ethiopian Rift (Ethiopia)

Miriam Verrino, Wendy Bohron, Rosanna De Rosa, Paola Donato, Carmelo Ferlito, Eugenio Nicotra, Marco Viccaro

S3 - 21

Spinel Iherzolite plus garnet pyroxenite: mantle ingredients for explaining the geochemical signature of Mt. Etna alkaline magmas and their compositional variations

Marco Viccaro, Francesco Zuccarello

SESSIONE 4 - SORVEGLIANZA E PERICOLOSITA' VULCANICA

S4 - 01

Probability hazard map for future vent opening at Etna volcano (Sicily, Italy)

Alfonso Brancato, Mauro Coltelli, Placido Montalto, Domenico Patanè, Cristina Proietti, Danila Scandura

S4 - 02

Forecasting eruptive activity at Mt. Etna (Sicily): the May 2008 – July 2009 case study

Alfonso Brancato, Giuseppina Tusa, Salvatore Alparone, Tommaso Caltabiano, Filippo Greco, Giuseppe Salerno

S4 - 03

INGV OE project of National Civil Service“Volcanoes and earthquakes in Sicily”

Emanuela Briffa, Antonella Catalano, Francesco Di Domenico, Simona Di Salvo, Claudio Finocchiaro, Daniele Ingallina, Dario La Camiola, Luca La Terra Pirrè, Alessandra Pellegrino, Salvatore Ponzio, Emanuela Privitera, Vanessa Tomasello, Danilo Reitano, Alessandro Bonforte

S4 - 04

The effect of crustal strain on fluid circulation in the Mt Etna aquifers

Valentina Bruno, Flavio Cannavò, Cinzia Federico, Manfredi Longo, Mario Mattia

S4 - 05

SO₂ flux monitoring at Stromboli with the new permanent INGV SO₂ Camera system: a comparison with seismological data

Mike Burton, Giuseppe Salerno, Luca D'Auria

S4 - 06

Real-time measurements of Hg⁰ and H₂S at Solfatara Crater (Campi Flegrei, Southern Italy): an innovative approach to investigate the distribution of gaseous contaminants in air

Jacopo Cabassi, Sergio Calabrese, Franco Tassi, Stefania Venturi, Francesco Capecchiacci, Walter D'Alessandro, Orlando Vaselli

S4 - 07

Mercury's distribution in the atmosphere, soils and plants of the active hydrothermal area of Nisyros (Greece)

Sergio Calabrese, Kyriaki Daskalopoulou, Jacopo Cabassi, Marcello Bitetto, Silvia Milazzo, Walter D'Alessandro, Lorenzo Brusca, Sergio Bellomo, Franco Tassi, Orlando Vaselli, Francesco Capecchiacci, Konstantinos Kyriakopoulos, Francesco Parello

S4 - 08

Pizzi Deneri field trips, Etna 2010-2014

Sergio Calabrese, Nicole Bobrowski, Giovannella Pecoraino, Giovanni Giuffrida, Marcello Bitetto, Fulvio Boatta, Franco Tassi, Giancarlo Tamburello, Salvo Giammanco, Massimo Cantarero, Pizzi Deneri working group

S4 - 09

Planning of laboratory whole-rock dissolution experiments for understanding the dissolution kinetics of crystalline basalts and basaltic glasses from Monte Etna (Sicily, S-Italy)

Teresa Critelli, Luigi Marini, Carmine Apollaro, Rosanna De Rosa

S4 - 10

Volunteers of National Civil Service at INGV: contribution for volcanic outreach activities

Giuliana D'Addezio, Giuliana Rubbia, Antonella Marsili, Donatella Abbruzzese, Gabriele Caddeo, Michael Di Stefano, Azzurra Giordani, Teresa Le Pera, Caterina Ramieri, Francesca Scipilliti, Riccardo Todaro, Eleonora Tosto, Veronica Valle

S4 - 11

A new M_L - M_D relationship for Mt. Etna earthquakes (Italy)

Salvatore D'Amico, Elisabetta Giampiccolo, Tiziana Tuvè

S4 - 12

Trace elements in soils and plants from the active hydrothermal area of Nisyros (Greece)

Kyriaki Daskalopoulou, Sergio Calabrese, Silvia Milazzo, Lorenzo Brusca, Sergio Bellomo, Walter D'Alessandro, Konstantinos Kyriakopoulos, Franco Tassi, Francesco Parello

S4 - 13

Volcanic processes detected by tiltmeters: a review of experience on Sicilian volcanoes

Salvatore Gambino, Giuseppe Falzone, Angelo Ferro, Giuseppe Laudani

S4 - 14

The 2014 eruption at Stromboli volcano (Italy): volcanological assessments inferred by the geochemistry of hydrothermal system

Salvatore Inguaggiato, Sergio Bellomo, Lorenzo Brusca, Giorgio Capasso, Cinzia Federico, Manfredi Longo, Ygor Oliveri, Andrea Rizzo, Aldo Sollami, Mariano Tantiillo, Fabio Vita

S4 - 15

The ongoing 2014 effusive eruption at Stromboli volcano: volcanological assessments inferred by soil degassing from summit and peripheral areas

Salvatore Inguaggiato, Lorenzo Calderone, Cinzia Federico, Fausto Grassa, Marco Liuzzo, Mariana Patricia Jácome Paz, Agnes Mazot, Aldo Sollami, Fabio Vita

S4 - 16

Comparison between mechanisms of CO₂ degassing from El Chichón volcanic lake, México, and Specchio di Venere, lake, Pantelleria, Italia.

Mariana Patricia Jácome Paz, Yuri Taran, Salvatore Inguaggiato, Nathalie Collard, Fabio Vita, Giovannella Pecoraino

S4 - 17

The multidisciplinary INGV-OE database: framework architecture

Placido Montalto, Carmelo Cassisi, Marco Aliotta, Andrea Cannata, Michele Prestifilippo

S4 - 18

Precursory phenomena of Volcanic Eruptions

Nicolosi Antonio Maria, Santo La Delfa, Marco Neri, Bruno Copat, Maria Rita Sampugnaro, Roberto Guardo, Giuseppe Patanè

S4 - 19

Estimates of complete moment tensor of seismicity occurred at Mt Etna in the period 2005-2013

Angela Saraò, Ornella Cocina, Luciano Scarfi

S4 - 20

Spectral characteristics of sea level gauges for ground deformation monitoring at Neapolitan active volcanos: Somma-Vesuvius, Campi Flegrei caldera and Ischia island

Umberto Tammaro, Francesco Obrizzo, Prospero De Martino, Adriano La Rocca, Salvatore Pinto, Enrico Vertechi, Paolo Capuano

S4 - 21

Seismic hazard mapping inside the Project SIGMA

Giuseppina Tusa, Andrea Cannata, Carmelo Cassisi, Salvatore D'Amico, Placido Montalto, Domenico Patanè