



Volcanoes, Landscapes and Cultures

First World Conference

Catania 11 - 14 Novembre 2009

**Wednesday
11th November**

08h00 / 10h00

Registration

10h00 / 11h00

Opening Session

Chairman of the Organizing Committee

Dr. Bruno Di Stefano, President of the
"Unesco Center of Catania"

Greetings:

President of the Sicilian Region

On. Raffaele Lombardo

President of the Regional Province of Catania

On. Giuseppe Castiglione

Chancellor of the University of Catania

Prof. Antonino Recca

Council of Europe – Head of the Cultural
Heritage, Landscape and Spatial Planning Division

Dr. Maguelonne Dejeant-Pons

Unesco, Division of Ecological and Earth Sciences

Dr. Peter Dogse

President of the Gioenia Academy

Prof. Giorgio Montaudou

Commissioner of Ente Parco Etna

Dr. Ettore Foti

Credito Siciliano Bank

Dr. Francesco Giacobbi

11h00 / 11h30

Coffee break

Conference's objectives:

President of the Scientific Committee

Prof. Renato Cristofolini,
Department of Geological Sciences
University of Catania

Coordinator of the International Scientific Secretariat

Dr. Pier Giovanni D'Ayala,
INSULA "International Scientific Council
for Island Development"

BB.CC.AA Superintendent Regional Province of Catania

Arch. Gesualdo Campo

President of Otie "Observatory on tourism in the
European Island"

Prof. Giovanni Ruggieri

13h00 / 14h30

Lunch break

14h30

NATURE AND SCIENCES

"Advances in geo-sciences, geo-engineering and volcanology"

Chairperson: Prof. Renato Cristofolini, Department of Geological Sciences, University of Catania

Vice-chairperson: Prof. Khaled A. Oun, Al-Fateh University, Tripoli, Libya

Rapporteur: Dr. Honoré Ciraba, Goma Volcano Observatory Dem. Rep. of Congo

14.45 – 15.00 VOLCANISM IN LIBYA KHALED A. OUN Al-Fateh University, Libia	16.15 – 16.30 VOLCANIC ERUPTIONS PHENOMENON IN VIRUNGA REGION, WESTERN RIFT VALLEY OF AFRICA WAFULA M., Kasereka M., Yalire M. and Ciraba M. Goma Volcano Observatory Dem Rep of Congo		
15.00-15.15 THE HISTORY OF THE GEOLOGICAL CARTOGRAPHY OF ETNA FROM THE 19TH CENTURY UNTIL TODAY: THE PROGRESS ON THE GEOLOGICAL KNOWLEDGE OF THE VOLCANO BRANCA STEFANO, Mauro Coltelli INGV Catania	16.30 – 16.45 THREE DECADES OF GEOCHEMICAL EVOLUTION OF THE HYPER-ACID CRATER LAKE OF POÁS VOLCANO, COSTA RICA MARTINEZ MARIA Volcanological and Seismological Observatory of Costa Rica		
15.15 -15.30 RECENT VOLCANIC ACTIVITY AT POPOCATEPETL AND COLIMA VOLCANOES AND ITS IMPACT ANA LILLIAN MARTIN DEL POZZO, Amiel Nieto, Anaid Perez, Mirna Garcia, Fabiola Mendiola, and Rita Fonseca Instituto de Geofisica, Universidad Autonoma de Mexico	16.45 – 17.00 SLOPE INSTABILITY AND HAZARD ZONATION MAPPING USING REMOTE SENSING AND GIS TECHNIQUE IN ABAY GORGE, SHIFERAW AYELE, Geological Survey of Ethiopia, and Tarun K.Raghuvanshi Department of Earth Sciences Addis Ababa University		
15.30 – 15.45 COMBINED SEISMIC, THERMAL, GEOCHEMICAL AND ELECTROMAGNETIC STUDIES OF THE GROWING UNREST OF TAAL VOLCANO, JULIO SABIT, Juan Cordon Jr. Philippines Institute of Volcanology and Seismology	<table border="1"><tr><td>17h00 /17h30</td><td>Coffee break</td></tr></table>	17h00 /17h30	Coffee break
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15.45 – 16.00 EXPLOSIVE ERUPTIONS IN KARTHALA : ANALYSIS AND DESCRIPTION, SOULÉ HAMIDI Volcano Observatory of the Comoros	17.30 – 17.45 PETROGENESIS OF NW ALIGUDARZ GRANITOID IN SANANDAJ DARVISHI ESMAIL Islamic Azad University Iran		
16.00 – 16.15 THE OBSERVED DYKES AND OTHER DEFORMATIONS IN THE SOUTH FLANK FRACTURES SYSTEM OF THE NYIRAGONGO VOLCANO SINCE 2004 TO 2008, HONORE' CIRABA, K. Mukambilwa, M. Wafula, M. Kasereka, Jc. Komorowsky, N. Houlie Goma Volcano Observatory Dem. Rep. of Congo	17.45 – 18.00 A REVIEW OF CARBONATITIC MAGMATISM IN THE PARANÁ-ANGOLA-NAMIBIA (PAN) SYSTEM COMIN CHIARAMONTI PIERO Trieste University		
18.00 / 18.30 DISCUSSION			

14h30

NATURE AND SCIENCES

PARALLEL SESSION

“Population safety and risk management”
 “Biodiversity and soil fertility, volcanic ecosystems”
 “Education, public awareness”
 Chairperson: Prof. Giuseppe Luongo, Department of earth sciences, University Federico II – Naples
 Vice-chairperson: Prof. Emilia Poli Marchese, Botanist, University of Catania
 Rapporteur: Prof. Giovanni Costa, Ethologist, University of Catania

<p>14.45 – 15.00 PERCEPTION OF VOLCANIC RISK IN ITALY: ETNA, VESUVIO, CAMPI FLEGREI NAVE R, Isaia r., Vesuvian Observatory, Barberi F., University of Rome, Davis M., University of California, and Ricci T. – INGV Roma</p>	<p>16.15 – 16.30 SOCIAL, ECONOMIC AND RISK MANAGEMENT DEMANDS – THE COMPLEX JUGGLING ACT REQUIRED AROUND VESUVIUS, KARKUT JONATHAN, London Metropolitan University, Silvia Barbone – Jlag Consulting</p>
<p>15.00 – 15.15 THE IMPORTANCE OF FIELD STUDIES FOR MITIGATING VOLCANIC HAZARDS FROM EXPLOSIVE ERUPTIONS ANDRONICO DANIELE INGV Catania</p>	<p>16.30 – 16.45 EXPERIENCES FROM THE PARTICIPATIVE WORKSHOP: KNOWLEDGE SHARING AND COLLABORATION IN VOLCANIC RISK MITIGATION AT GALERAS VOLCANO, COLOMBIA BOWMAN LUKE, Technical University of Michigan, USA</p>
<p>15.15-15.30 HIGHLIGHTS ON SEISMICITY, VOLCANIC HISTORY AND FLOODING OF ISCHIA ISLAND (ITALY) FOR A CONCEPTUAL MODEL OF GEOLOGICAL RISKS, GIUSEPPE LUONGO, Department of Earth Sciences, University Federico II of Naples, Italy</p>	<p>16.45 – 17.00 Volcanic small islands in Japan: restoration, risk management, volcanic tourism YUKI SATO Associate Researcher, Faculty of Social Sciences, Waseda University Japan</p>
<p>15.30 – 15.45 RISKS PREVENTION PLANS (RPP) AND THE VULNERABILITY OF PEOPLES AROUND VOLCANOES: CASE STUDY OF MOUNT CAMEROON SPINETTI CLAUDIA, A. Zogning, C. Ngouanet, D. Tchoudam, P. Thierry, E. Kouokam – Azomarc Foundation Cameroun, F. Buongiorno, M. Pannaccione Apa, Bignami INGV Roma</p>	<div style="border: 2px solid black; padding: 5px; text-align: center;"> <p>17h00 / 17h30 Coffee break</p> </div> <p>17.30 – 17.45 LA FORÊT DU MONT KARTHALA : UNE « VITRINE » DE LA RICHE BIODIVERSITÉ DES COMORES MLAZAHAHE ALI, and Achmet Said Mohamed, Representatives of UNDP for the Comoros</p>
<p>15.45-16.00 THE 2002 STROMBOLI TSUNAMIS: NUMERICAL SIMULATION AND IMPACT ON THE COAST ZANIBONI, Tinti S., Armigliato A., Pagnoni G., Tonini R., Gallazzi S., Bressan L., Department of Physics, University of Bologna, Italy</p>	<p>17.45- 18.00 LEMPTÉGY VOLCANO: EVISCERATING THE STORY OF A SMALL VOLCANO 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</p>
<p>16.00-16.15 TOURISTIC ATTRACTION VS. CO₂ HAZARD AT THE MT. AMIATA VOLCANO FRANCO TASSI, O. Vaselli, B. Nisi, D. Rappuoli, V. Pancioli, S. Ucciero Department of EarthSciences, University of Florence</p>	<p>18.00 – 18.15 THE CATANIA ASTROPHYSICAL OBSERVATORY INSIDE THE "PARCO DELL'ETNA": SCIENCE AND SCIENCE DISSEMINATION LETO GIUSEPPE, G.Cutispoto, G. Strazzulla Catania Astrophysical Observatory, and F. Zuccarello, University of Catania</p>
<p>18.15 / 18.45 DISCUSSION</p>	

21h15

Symphonic Concert at the Ciminiere Cultural Center

Presentation by Dr. Nunzio Rapisarda,
 Director of “Ente Regionale per il Diritto allo Studio Universitario”, University of Catania

**Thursday
12th November**

09h00	<u>NATURE AND CULTURE</u> "TERRITORIAL AND LANDSCAPE MANAGEMENT" "PARKS, PROTECTED AREAS, BIOSPHERE RESERVES, UNESCO'S WORLD HERITAGE, GEO-PARKS"
Chairperson:	Prof. Lionella Scazzosi, Professor at Politecnico di Milano, Landscape Architecture
Vice-chairperson:	Dr. Chris Wood, School of Conservation Sciences, Bournemouth University, UK
Rapporteur:	Dr. Birgit Reutz-Hornsteiner, Expert for Protected Areas, University of Innsbruck, Austria

<p>09.15 - 09.30 ISLANDS CHAIN OF JAPANESE ARCHIPELAGO BY VOLCANO ACTIVITIES AND PARKS. FUJI-IZU VOLCANO CHAIN AND THEIR WORSHIP FOR THEIR VOLCANIC ACTIVITIES AND LANDSCAPE. ASO-KIRISHIMA VOLCANO CHAIN AND THEIR WORSHIP FOR ACTIVITIES AND LANDSCAPE SHUNZUKE NAGASHIMA Professor at Research Center of the Pacific Islands, Kagoshima University Japan</p>	<p>10.30 – 10.45 HOW CAN PROTECTED AREAS OFFER LOCAL PEOPLE A CHANCE TO PARTICIPATE AND BENEFIT REUTZ-HORNSTEINER BIRGIT Expert for Protected Areas, University of Innsbruck, Austria</p> <p>10.45 – 11.00 CONSERVATION OF THE CAVATE DWELLINGS OF BANDELIER NATIONAL MONUMENT BASS ANGELYN - Conservation Associates, and Lauren Meyer - National Park Service Bandelier National Monument</p>		
<p>09.30 – 09.45 ARCHITECTURE, CITY, LANDSCAPE. INTERPRETIVE GRIDS OF MOUNT ETNA VOLCANO FROM ARCHITECTURAL TO REGIONAL SCALE Atripaldi A. M., CALVAGNA S, Di Paola C, Marteliano V. Department of Architecture and Urbanism, University of Catania</p>	<table border="1" style="width: 100%; text-align: center;"> <tr> <td>11h00 /11h30</td> <td>Coffee break</td> </tr> </table> <p>11.30 – 11.45 IDENTIFICATION AND PRESERVATION OF GEOHERITAGES BY CREATING GEOPARKS AND DEVELOPMENT OF GEOTOURISM SABOORI TAHEREH, Taereh – PhD of Physical Geography, Azad University, and Mousazadeh Roya – M.Sc of Environmental Management, Azad University</p>	11h00 /11h30	Coffee break
11h00 /11h30	Coffee break		
<p>09.45 – 10.00 WORLD HERITAGE VOLCANOES: A GLOBAL REVIEW AND THEIR ROLE IN THE MANAGEMENT OF THE WORLD'S VOLCANIC ESTATE CHRIS WOOD, School of Conservation Sciences, Bournemouth University, Talbot Campus, U.K</p>	<p>11.45 – 12.00 LIVING LANDSCAPES. PRESENCE OF LAVA IN DOWNTOWN CATANIA CALVAGNA SIMONA Department of Architecture University of Catania</p>		
<p>10.00 – 10.15 THE DISTANT CONNECTION BETWEEN VOLCANO AND CULTURE: THE USE OF RHENISH TUFF AND TRASS IN THE NETHERLANDS TIMO G. NIJLAND, TNO Built Environment and Geosciences, Conservation Technology team, Delft, The Netherlands</p>	<p>12.00– 12.15 VOLCANOES, FROM FEAR TO OPPORTUNITY, SPINA MAURIZIO, Alampi Andrea, University Of Catania</p>		
<p>10.15 – 10.30 THE CULTURE OF VOLCANOLOGY: ETHNOGRAPHICAL REFLECTIONS ON MONITORING AND RESEARCH, DONOVAN AMY, Clive Oppenheimer, and Michael Bravo University of Cambridge</p>	<p>12.15 – 12.30 GEOLOGICAL LANDMARKS OF UKRAINE, MALIUK BORYS, DYMYTRO D. MORMUL, SERGIY V. GOSHOVSKIY– State geological survey of Ukraine</p>		

12h30 /13h30	Lunch break
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13h30 / 14.30

NATURE AND SCIENCES
POSTER PRESENTATION

Chairperson: Angelo Messina, Chancellor's delegate for Natural reserves, University of Catania

<p><i>h. 13.30</i> DANGEROUS ATMOSPHERIC SULPHUR DIOXIDE CONCENTRATIONS AT CRATERIC AREAS OF ITALIAN ACTIVE VOLCANOES, D'ALESSANDRO WALTER, Aiuppa A., Bellomo S., Bonfanti P., Brusca L., Longo M., Maugeri R. INGV Palermo</p>	<p><i>h.14.00</i> FULL SCALE EVALUATION OF ATMOSPHERIC MERCURY EMISSIONS FROM ACTIVE VOLCANOES, BAGNATO EMANUELA, F. Parello, A. Aiuppa, M. Valenza, S. Calabrese University of Palermo</p>
<p><i>h. 13.35</i> THE CONTRIBUTION OF VOLCANOES TO THE ATMOSPHERIC TRACE METALS BUDGET IN THE MEDITERRANEAN BASIN, CALABRESE SERGIO, E. Bagnato, W. d'Alessandro, F. Parello University of Palermo</p>	<p><i>h.14.05</i> ATMOSPHERIC H₂S CONCENTRATIONS IN FUMAROLIC AREAS OF THE AEGEAN VOLCANIC ARC (GREECE), D'ALESSANDRO WALTER, W., Bellomo S., Brusca L. - INGV Palermo and Kyriakopoulos K, University of Athens dpt of Geology</p>
<p><i>h. 13.40</i> PLANTS AND VEGETATION ON THE LANDSCAPE OF THE ETNA VOLCANO POLI MARCHESE EMILIA University of Catania</p>	<p><i>h. 14.10</i> THE STUDY OF THE EASTERN SIDE OF MOUNT ETNA THROUGH DIGITAL STEREOPHOTOGRAMMETRY, MARIATERESA GALZIA AND CETTINA SANTAGATI – University of Catania department of engineering</p>
<p><i>h.13.45</i> CHOICE OF FOREST SPECIES BASED ON THE CHEMICAL-PHYSICAL ANALYSIS OF MOUNT ETNA VOLCANIC SOILS BENINTENDE PIO GIUSEPPE, University of Catania</p>	<p><i>h 14.15</i> THE IMPACT OF AN NGO ON VOLCANIC HAZARD PERCEPTIONS AND DISASTER PREPAREDNESS IN LOS PLANES DE LA LAGUNA, EL SALVADOR BOWMAN LUKE, Technical University of Michigan, USA</p>
<p><i>h.13.50</i> BIOMONITORING OF VOLCANOGENIC TRACE ELEMENTS USING TWO ENDEMIC SPECIES (SENECIO AETHNENSIS AND RUMEX AETHNENSIS) ON MT. ETNA, CALABRESE SERGIO, W. d'Alessandro, Department. C.F.T.A Palermo, S. Bellomo, L. Brusca, INGV Palermo, F. Parello, ITAF Physica Palermo</p>	<p><i>h 14.20</i> A CONTRIBUTION TO THE VOLCANIC HAZARD AND RISK EVALUATION DUE TO LAVA STREAMS IN THE LOW EASTERN SLOPE OF MT. ETNA VOLCANO (ITALY), RASÀ R., Tripodo A., Casella S. – Department of Earth Sciences University of Messina, and Szilagyi M. L. – Oradea University Romania</p>
<p><i>h.13.55</i> PRELIMINARY TEMPORAL VARIATION OF VOLCANIC ASH ADHERENT WATER-SOLUBLE COMPONENTS AT STROMBOLI VOLCANO DURING 2004-2009 ERUPTIVE EVENTS, BAGNATO EMANUELA, A. Aiuppa, University of Palermo, and D. Andronico, A. Cristaldi, L. Miraglia, R. Corsaro, INGV Catania</p>	<p><i>h 14.25</i> RELATIONSHIPS BETWEEN VOLCANIC LANDSCAPES AND ERUPTIVE PROCESSES: EXAMPLES FROM DIFFERENT VOLCANOES, ANDRONICO DANIELE INGV Catania</p>

14h45

NATURE AND CULTURE

"MEMORIES AND FOOTPRINTS OF THE PAST, HISTORY AND ARCHEOLOGY"

"MYTHS AND SOCIETIES, ARTS, LITERATURE AND CINEMA"

Chairperson: Prof. Enrico Iachello, Dean of the Faculty of Humanities , University of Catania

Vice-chairperson: Prof. Pizzorusso Ann C, Geologist, New York University

Rapporteur: Dr.ssa Panaccione Apa M. Ilaria – INGV Roma

15.00 – 15.15 PANAREA VOLCANO: THE FIRST CELL OF A MUSEUM OF TERRITORIAL CULTURE HERITAGE OF AEOLIAN ISLANDS PIGNATELLI MANGONI ADRIANA, Vincenzo Cabianca Professor Emeritus, Palermo University	16.45 – 17.00 ON VOLCANOES OF ATLANTIS – EOLIAN ISLANDS AS A THEATRE OF POETRY, V. CABIANCA, University of Palermo		
15.15- 15.30 THE VOLCANIC LANDSCAPES IN THE DISASTER MYTHOLOGY OF THE ANCIENT MEDITERRANEAN WORLD KYRIAKOPOULOS K., Louapi A. and Pamarinopoulos S. Universities of Athens and Patras	<table border="1"><tr><td>17h00 /17h30</td><td>Coffee break</td></tr></table>	17h00 /17h30	Coffee break
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15.30 – 15.45 ETNA AND GALLEYS MANISCALCO PIETRO, Director of the Museum of the sea, Palermo	17.30 – 17.45 LITERATURE AND THE PUBLIC CONSCIOUSNESS: MONTSERRATIAN VERSE AND THE DESCRIPTIVE RECONSTRUCTION OF AN ISLAND DONOVAN AMY, Clive Oppenheimer and Michael Bravo Departement of Geography University of Cambridge		
15.45 – 16.00 GUAN CHENECH, – THE CANARY ISLANDS AND GUANCHE CULTURE, PANNACCIONE APA M. ILARIA, Fabrizia Buongiorno – INGV Roma, Sergio Barrera Rodriguez – Gobierno de Canarias	17.45 – 18.00 A GEOLOGIC JOURNEY TO THE VOLCANIC UNDERWORLD OF VIRGIL’S AENEID, PIZZORUSSO ANN C, Geologist, New York University		
16.00 – 16.15 THE INFLUENCE OF VOLCANIC TOPOGRAPHY ON ETRUSCAN CULTURE, PIZZORUSSO ANN C, Geologist, New York University	18.00 – 18.15 EMOTIONS AND TURMOIL FROM THE IMAGES OF 18TH CENTURY TRAVELLERS FROM VOLCANO VESUVIUS TO THE AEOLIAN ISLANDS AND TO MALTA. PIGNATELLI MANGONI ADRIANA, Vincenzo Cabianca, University of Palermo		
16.15 – 16.30 REWRITING ABOUT VOLCANO: “METAPHOROLOGY” TO THINK WHAT CANNOT BE THOUGHT BERTRAND DOMINIQUE Professor at University Blaise Pascal UBP, Clermont II	18.15 / 18.45 DISCUSSION		
16.30 - 16.45 THE MYTH OF ETNA BETWEEN LITERATURE AND CINEMATOGRAPHY NICOSIA ENRICO, University of Macerata , Caterina Cirelli, University of Catania			

Friday
13th November

09h00	VOLCANOES AND SUSTAINABLE DEVELOPMENT
Chairperson:	Prof. Opia Kumah, UNDP Representatives in the Comoros
Vice-chairperson:	Prof. Paolo La Greca, Town planner, Department of Architecture and Town planning, University of Catania
Rapporteur:	Morfini Francesco, Centro di Rinascita Europea s.r.l. Ambiente ed Energia

<p>09.15 - 09.30 MAN AND ENVIRONMENT IN THE ETNA LANDSCAPES</p> <p>SALVATORE CAFFO</p> <p>Ente Parco dell'Etna</p>	<p>10.30 – 11.45 BRANDING ETNA AS A VALUABLE ECONOMIC RESOURCE FOR TOURISM ATTRACTIVENESS AND NEIGHBOURHOOD COMPETITIVENESS</p> <p>BENEDETTO PUGLISI AND ROSARIO FARACI – University of Catania</p>
<p>09.30 - 09.45 IMMOBILE RESOURCES AND INVESTMENT SPECIFICITY: THE MOUNT ETNA</p> <p>PROF. MAURIZIO CASERTA, Rosario La Rosa, Maria Musumeci</p> <p>University Of Catania</p>	<p>10.45– 11.00 THE LANDSCAPE OF PANTELLERIA ISLAND: DEVELOPMENT PERSPECTIVES</p> <p>COSTANTINO DOMENICO</p> <p>University of Palermo</p>
<p>09.45 – 10.00 SYSTEMIC DEVELOPMENT OF ETNEAN WINE-GROWING AND PRODUCING,</p> <p>SGROI F, Researchers of Economics and Rural Estimates, University of Palermo, and Tudisca S. Professor of Agricultural Policy University of Palermo</p>	<div style="border: 2px solid black; padding: 5px; width: fit-content; margin: auto;"> <p>11h00 /11h30 Coffee Break</p> </div>
<p>10.00 – 10.15 ATENQUIQUE'S ENVIRONMENTAL AND ECONOMIC DEVELOPMENT SHRINKAGE IN GLOBALIZATION ERA,</p> <p>G. VARGAS-HERNÁNDEZ</p> <p>Centro Universitario de Ciencias Económico Administrativas U de G. Jalisco Mexico</p>	<p>11.30 – 11.45 THE KARTHALA – TAMING A MONSTER AND UNEARTHING ITS RICHES</p> <p>OPIA KUMAH, Youssouf Mbechezi and Anlia Mze Ahmed Abdallah</p> <p>UNDP Representatives in the Comoros</p>
<p>10.15 – 10.30 COMBINED PHOTOVOLTAIC/GEOTHERMAL PLANTS FOR CLEANER HEATING AND COOLING PLANTS,</p> <p>MORFINI FRANCESCO,</p> <p>Centro di Rinascita Europea s.r.l. Ambiente ed Energia</p>	<p>11.45 – 12.00 THE EOLIAN ISLES CAN BECOME “THE ISLES OF THE SUN”: DESIGN PILOTE OF A PHOTOVOLTAIC ENERGY SYSTEM INTEGRATED IN STROMBOLI</p> <p>FERRARA ARCH. LOREDANA</p> <p>Sustainable Strategic Designer, and Arch. Antonia Teatino, P.h.D Sustainable Industrial Design</p>

12h00

**NATURE AND CULTURE
POSTER PRESENTATION**

Chairperson: Prof. Nunzio Famoso, Dean of the Faculty of Foreign Languages, University

**12h20 VULCANOES, SUSTAINABLE
DEVELOPMENT AND TOURISM
POSTER PRESENTATION**

Chairperson: Prof. Nunzio Famoso Dean of the Faculty of Foreign Languages, University

<p><i>h.12.00</i> THE CHARACTERISTICS & POTENTIALS OF THE FIRST GEOPARK IN THE MIDDLE EAST, 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</p>	<p><i>h.12.20</i> AGRICULTURAL RELEVANCE OF WINE GRAPE AND FRUIT TREE CROPS ON ETNA VOLCANO CONTINELLA ALBERTO University of Catania</p>
<p><i>h.12.05</i> THE CHAINE DES PUYs : A RICH, UNIQUE VOLCANIC HERITAGE ENVIRONMENT VAN WYK DE VRIES B and Boivin P. CNRS Observatoire de physique du globe de Clermont</p>	<p><i>h. 12.25</i> TURISTS WEB GIS FILIPPO GAGLIANO, Researcher's Doctorate Candidate on ASTRA department faculty of Architecture, University of Catania, Location Syracuse Fausto Carmelo Nigrelli, town planning's professor, Department of ASTRA, Faculty of Architecture University of Catania, Location Siracusa</p>
<p><i>h. 12.10</i> A NET OF MINOR HISTORICAL CENTRES IN EASTERN SICILY PARKS, BRANCATI MELITA Department of Architecture. University of Catania</p>	
<p><i>h. 12.15</i> ETNA AND LAVA'S ARCHITECTURE BARNOBI LINDA and Alessia Giuffrida, Faculty of Engineering University of Catania</p>	

12h30 / 14h00

Lunch break

14h00	VOLCANOES AND TOURISM
Chairperson:	Prof. Wolf Michael Iwand, Former Director Group Corporate Environmental Management at TUI AG
Vice-chairperson:	Prof. Giovanni Ruggieri, President of Otie "Observatory on tourism in the European Island"
Rapporteur:	Prof. Patricia Erfurt-Cooper, James Cook University, Australia

14.15 – 14.30 L.A.V.E., EUROPEAN VOLCANOLOGIC ASSOCIATION, MORE THAN 650 PEOPLE WITH A PASSION FOR VOLCANOES DANIEL CHEREAU President of L.A.V.E., European Volcanologic Association	15.30 – 15.45 MAKING THE MOST OF GEOLOGICAL HERITAGE: GEO-MONUMENTS OF SAO JORGE ISLAND, AZORES ZORAIDA ROSELLÓ ESPUNY & Eduardo Guimarães, Ecoteca de S. Jorge, Rua Roque Afonso - Jardim Botânico, São Jorge (Azores)
h.14.30 – 14.45 ECO-TOURISM IN THE VOLCANIC CAVES ANGELO MESSINA, Delegato Rettore, University of Catania	15.45 – 16.00 CULTURAL TOURISM IN THE SUD REGION OF THE JALISCO – MEXICO, JOSÈ G. VARGAS-HERNÁNDEZ Centro Universitario de Ciencias Económico Administrativas U de G. Jalisco Mexico
h. 14.45 - 15.00 MOUNT ETNA: FROM THE GRAND TOUR TO THE TODAY'S TOURISM, PAOLA DANIELA SMECCA, Facoltà di Lingue e Letterature Straniere, University of Catania	16.00 – 16.15 THE BEAUTY AND THE BEAST: GEOHAZARDS AT BEST TOURISTIC SITES, DAHL ROLV MAGNE, Geological Survey of Norway, Morten Smelror, Dmytro Mormul, Borys Malyuk, Geological Survey of Ukraine, and Sergiy Goshovskiy Ukrainian State Geological Research Center
15.00 - 15.15 VOLCANO AND GEOTHERMAL TOURISM – RECREATION OR ADVENTURE? ERFURT-COOPER PATRICIA, James Cook University, Australia	16.15 / 16.45 DISCUSSION
15.15 – 15.30 ENVIRONMENTAL EDUCATION AND CULTURAL TOURING AT THE BASE OF A CORRECT AND SUSTAINABLE FRUITION OF THE ETNA'S LANDSCAPE ARENA GRAZIA, <i>Fabio Famoso,</i> <i>University of Catania</i>	16h45 / 17h15 Coffee break

17.15 / 18.00	Presentation of the project: "THE HOUSE OF VOLCANOES"
<ul style="list-style-type: none"> - Coordination and Introduction: Pier Giovanni D' Ayala - Project presentation: Cristina Vannini, Director Soluzionimuseali – ims srl, Milano - Founding assembly of the association: "Efaistos: Volcanoes, Landscapes and Cultures, International Scientific Network" 	

18h00 / 18h30	Summary of the Conference
CLOOSING SPEECH	
Bruno Di Stefano and representative of local authorities	

Saturday
14th November

Excursion to the Mount Etna's slopes offered by the Organizers

"MOUNT ETNA: CASE PIRAO – MOUNT SPAGNOLO"

(BUS + 4WHEELS VEHICLES – LUNCH INCLUDED)

08h00 a.m.	Meeting at Le Ciminiere Congress Center.
08h30 a.m.	Departure by private bus in the direction of SS120 towards Linguaglossa/Randazzo , skirting the wide lava's cast of 1981 that reaches out the "Panoramica" road, known as "Settentrionale Etna" too.
10h00 a.m.	Arrival at Case Piraio , situated in a scenic position on a small plateau in the heart of Etna Park, a national protected area besides to be a downright biological concentration of great anthropological, scenic, botanical and faunal value, without equal in nature.
10h30 a.m.	Departure by 4wheels vehicles to Mount Spagnolo , along a track where oak and chestnut woods melt with the luxuriant Mediterranean scrub, and with Bocche di Fuoco on the background, the eruptive mouths of 1981, freckled on cones and effusive small craters that emit hot streams during winter season.
11h15 a.m.	The track continues, offering a beautiful landscape on the Valley of the Alcantara River , the Mounts Nebrodi and the small villages on their slopes, till the secular beech wood of Mount Spagnolo , (1547 mt), one of the eldest Etna's craters. This wooden area is one of most important natural entities inside the Etna Park. Thanks to its extraordinary integrity and to its oro-naturalistic characteristics it takes an important role on the insular landscape. Therefore, the track leads to the inhabited broken-down Casermetta.
12h30 p.m.	Return at Case Piraio , through the pine scented country. Stop to admire the breath-taking view by the terrace on the Strait of Messina and the Aeolian Islands .
01h00 p.m.	Pleasantly rustic lunch offered by the Ufficio Provinciale dell'Azienda Foreste with tasting of Etna local food.
03h00 p.m.	Departure by bus and return to Catania. <u>Weather permitting</u> stop in Randazzo , for a cup of coffee and visit of the small medieval town located in the middle of three Parks (Park of the Nebrodi, Etna Park and Park of the River Alcantara), and rich in churches overlooking its narrow and tortuous streets.
04h30 p.m.	Arrival. End of services.

We advise you to dress properly, with comfortable shoes and warm and waterproof sportswear