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<td>M. Coltelli: ETNA EXPLOSIVE ERUPTIONS AND THE INGV RESPONSE TO IMPROVE AN ASH-CLOUD MONITORING SYSTEM</td>
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<td>14H20-14H40</td>
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<td>H. Delgado-G.: VOLCANIC PLUMES FROM POPOCATEPETL VOLCANO (MEXICO): DISPERSION FEATURES, ASH CHARACTERISTICS, AND THEIR EFFECTS</td>
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<td>H. Delgado-G.: VOLCANIC PLUMES FROM POPOCATEPETL VOLCANO (MEXICO): DISPERSION FEATURES, ASH CHARACTERISTICS, AND THEIR EFFECTS</td>
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<td>19H00-20H30</td>
<td>Official Inauguration Ceremony - Iglesia de La Compañía de Jesús</td>
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<td>20H30</td>
<td>Buses begin return to Hotel Quito</td>
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† All Plenary activities will be held in Sala 1
# Coffee break in Foyers
§ Poster sessions in corridors of Patio and Corridors of the 2nd floor (see Poster Section)
Posters
Concerning Poster Sessions 1 & 2:

There will be two poster sessions. The first session occupies the first two days of the week and includes the 4 symposia: I, II, IV-B & VII. Poster session 2 is scheduled for Thursday and Friday and includes the 5 symposia: III, IV-A, V, VI & VIII.

The poster area will be open and available for viewing for the entire two days allotted for each session.

Symposia: I = Lahars; II = Ash; IV-B = Monitoring; VII = Health

Please place your poster in its designated spot on Monday morning and remove it after this session's closing on Tuesday afternoon at 6 pm. This assures that your poster will be seen during its two days of continual exposure. There will be two areas for poster exhibition.

Symposia IV-B (Monitoring) and SVII-Health will exhibit posters on appropriate stands in the corridors of the groundlevel patio (about 125 posters)

Symposia I & II will exhibit posters in the upper corridors of the convent-- the next floor up from the patio; (about 65 posters)

You will be provided with the implements to hang your poster. Under no circumstances can you paste your poster with tape to the convent wall!! Please be respectful of the artwork hanging on the convent walls.

You are encouraged to remain beside your poster for the first hour of each respective session-- for question/answer and discussion-- during the two designated poster times, Monday and Tuesday afternoons, respectively. Please remember, if possible, to provide small paper copies of your poster for hand-outs.

Enjoy the poster sessions!!
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SI-25-P  LAHARS IN AND AROUND THE TAIPEI BASIN AND THEIR IMPLICATIONS S. SONG  S. SONG

SI-26-P  DETERMINATION OF THE ICE-CAP VOLUME OF COTOPAXI VOLCANO (ECUADOR)  
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SI-28-P  ANALISIS DE LA VULNERABILIDAD EN LA INFRAESTRUCTURA DE LA EMAAP-Q EN LAS ZONAS DE TRANSITO DE LAHARES DEL VOLCAN COTOPAXI  
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COV4 Meeting Schedule - Tuesday, 24 January, 2006

Sala 1 (large)†

8H30 - 9H00
Plenary Symposium I: Lahars and Debris Flows
J. Major
LAHARS—AN OVERVIEW OF 25 YEARS OF NEW GEOLOGICAL, HYDROLOGICAL, AND HAZARDS INSIGHTS

9H00-9H30
Plenary Symposium VII: Human Health Impacts of Volcanism
P. Baxter
QUANTIFICATION AND MODELLING OF THE HUMAN IMPACTS OF VOLCANIC ERUPTIONS: AN OVERVIEW OF RECENT ADVANCES

Sala 1 (large) Sala 2 (medium) Sala 3 (small)

IV-B: Monitoring Continuation
I: Lahars
Chairs: J. Ewert, A. García, H. Kumagai & J. Johnson

Chairs: J. Major, J. L. Macías, P. Mothes, M. Castro & M. Rosi

Chairs: P. Baxter, C. Horwell, T. Elías, L. Whiteford & G. Tobin

9H30 - 9H50

V. Manville: ANALYSIS OF LAHAR HAZARDS - THE STATE OF THE ART

D. Dockery: CONCENTRATION AND ACIDITY OF AIRBORNE PARTICULATE MATTER IN COMMUNITIES ON THE BIG ISLAND OF HAWAII

9H50-10H10
C. Vargas-Jimenez: CODA Q TOMOGRAPHY IN THE NEVADO DEL RUIZ VOLCANO (COLOMBIA) FOR THE VOLCANIC CRISIS OF JUNE 8-9TH AND AUGUST 1-2ND, 2002

G. Zanchetta: THE HAZARD ZONATION OF SYNERUPTIVE VOLCANOCLASTIC DEBRIS FLOWS IN THE VESUVIAN AREA (ITALY)

T. Hincks: A PROBABILISTIC RISK ASSESSMENT FOR LONG-TERM EXPOSURE TO RESPIRABLE VOLCANIC ASH ON MONTSERRAT

10H10 - 10H30
F. Gil-Cruz: BEHAVIOR MODEL OF NEVADO DEL RUIZ VOLCANO BASED ON DETAILED ANALYSIS OF SEISMIC ACTIVITY ASSOCIATED WITH ERUPTIVE PROCESSES OF 1985 AND 1989

T. Davies: VOLCANIC MASS MOVEMENT HAZARDS MITIGATION

E. Naumova: EMERGENCY ROOM VISITS FOR RESPIRATORY CONDITIONS INCREASED AFTER PICHINCHA VOLCANIC ERUPTIONS IN QUITO, ECUADOR

10H30-11H00
Coffee break

11H00-11H20
N. Varley: ADVANCES IN MONITORING TO BETTER EVALUATE AND FORECAST THE RISK AT VOLCÁN DE COLIMA, MEXICO

H. Suwa: LAHAR SEDIMENTATION DURING AND POST-ERUPTION

G. Tobin: CHRONIC VOLCANO HAZARDS AND HEALTH IMPACTS: ASH-FALLS AROUND MOUNT TUNGURAHUA, ECUADOR
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<td>11H40</td>
<td>G. Leonard: DEVELOPING EFFECTIVE VOLCANIC WARNING SYSTEMS: LAHAR WARNINGS AT RUAEHU, NEW ZEALAND</td>
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<td>11H40-12H00</td>
<td>R. White: VOLCANO-TECTONIC VERSUS TECTONIC EARTHQUAKE SEQUENCES NEAR ACTIVE VOLCANOES</td>
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<td>A. Lavigne: LAHAR MONITORING AND WARNING SYSTEMS IN INDONESIA</td>
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<td>P. Baxter: BASALTIC ASH: AN UNRECOGNISED RESPIRATORY HEALTH HAZARD</td>
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<td>B. Chouet: BROADBAND VOLCANO SEISMOLOGY: TOWARD A REAL-TIME QUANTITATIVE ASSESSMENT OF ACTIVE CONDUIT DYNAMICS AT STROMBOLI VOLCANO, ITALY</td>
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<td>J. Gratten: CONTINENTAL SCALE IMPACTS OF VOLCANIC GASES ON HUMAN HEALTH: THE LAKI FISSURE ERUPTION AND THE MORTALITY CRISES OF 1783-84</td>
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<td>14H30</td>
<td>R. Tilling: UNDERSTANDING VOLCANOES: KEY TO REDUCING RISK FROM THEIR HAZARDS</td>
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<td>H. Huppert: THE IMPACT OF MAGMA RECHARGE AND HEATING ON EFFUSIVE ERUPTIONS</td>
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<td>R. Solidum: POST-1991 ERUPTION LAHAR HAZARDS AND MITIGATION MEASURES AT MOUNT PINATUBO, PHILIPPINES</td>
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<td>M. Calvache: THE NEVADO DEL RUIZ, 1985 ERUPTION: A GOOD EXAMPLE OF FAILED EMERGENCY MANAGEMENT</td>
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<td>D. Geist: THE PLUMBING SYSTEMS OF THE GALAPAGOS SHIELDS AND THEIR PETROLOGIC EVOLUTION</td>
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<td>G. Carrasco-Nuñez: DEBRIS AVALANCHE AND LAHARS TRIGGERED BY NON-MAGMATIC EVENTS: EASTERN MEXICAN VOLCANIC BELT, IMPLICATIONS FOR HAZARD ASSESSMENTS</td>
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<td>L. Civetta: EVOLUTION AND PRESENT STATE OF MAGMATIC FEEDING SYSTEMS: THEIR SIGNIFICANCE FOR VOLCANIC HAZARD EVALUATION. EXAMPLES FROM VESUVIUS AND CAMPI FLEGREI CALDERA</td>
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<td>R. Perez: SIMULATION EXERCISE WITH NEW TECHNOLOGIES: A TOOL GEARED TOWARDS STRENGTHENING COORDINATION AND DECISION-MAKING IN PREPAREDNESS AND RESPONSE FOR VOLCANIC EMERGENCIES</td>
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J-L Le Pennec: Recurrence pattern of late Holocene eruptions at Tungurahua Volcano (Ecuador) revealed by radiocarbon dating of charcoal in pyroclastic flow deposits

Panel Discussion

Poster Session #1 (Continued)-- LAHARS & ASH (Upper Corridors) MONITORING & HEALTH (Main Patio) w/ Beverages and Snacks

Return to Hotels

Evening activities in Hotel Quito. Meetings of: IVHNN, WOVO, Cities on Volcanoes Commission & NOVAC-1. For more details see back portion of this Programme
General Information

This trip will take participants up the Western and Northern flanks of Cotopaxi Volcano. The maximum elevation obtained will be 3800 m. There will be no strenuous hikes, but at each stop there will be opportunities to walk around and observe outcrops etc. Each bus will have approximately 40 people.

In order to have less congestion at outcrops and to make your journey more enjoyable we will divide the trip into two groups: one group leaves on buses an hour earlier then the other group. But both groups visit the same sites during the day.

Buses will leave from Hotel Quito. You are responsible to get yourself to Hotel Quito in order to catch a bus.

The first group of buses leaves at 07H15
The second group of buses leaves at 08H15

Please sign up on Monday or Tuesday at the registration desk for which time you would prefer. Your signing up will help us to determine the number of buses that will be used for transport. Remember, the view of the volcanoes is usually clearer in the earlier hours of the day!!

Protective hats, a sweater and wind breaker and strong sunscreen are mandatory. Also, you may require more drinking water then usual because of the dry conditions, so come prepared.

The return in the afternoon to Hotel Quito will be before 6pm.
Symposia: III= New Techniques; IV-A = Volcano Studies; V = Risk; VI = Emergency; VIII = Archaeology

Place: Convento’s patios/corridors

Please place your poster in its designated spot on Thursday morning and remove it after the session’s closure on Friday afternoon. This assures that your poster will be seen during its two days of continual exposure.

There will be two areas for poster exhibition.
Symposia V (Risk Management), VI (Emergency Management) & VIII (Archaeology) will exhibit posters on appropriate stands in the corridors of the groundlevel patio of the convent; (about 120 posters)
Symposia III (New Techniques) & IV-A (Volcano Studies) will exhibit posters in the upper corridor’s of the convent– the next floor up from the patio; (about 120 posters)

You will be provided with the implements to hang your poster. Under no circumstances can you paste a poster with tape to the convent wall!! Please be respectful of the artwork hanging on the convent walls.

You are encouraged to remain beside your poster for the first hour of each respective session-- for question/answer and discussion-- during the two designated poster times, Thursday afternoon and Friday morning, respectively.
Please remember, if possible, to bring small paper copies of your poster for hand-outs.
Enjoy the poster sessions!!

Symposium III: New Computational Techniques for Mitigating Volcanic Hazards--- Upper Level (Above Main Patio) Corredors of the Convent

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A.C. MOORE  A.C. MOORE

SIII-07-P  NUMERIC SIMULATION OF HAZARD MAPPING OF DEBRIS AVALANCHES FOR NON VOLCANIC ASSOCIATED FLANK COLLAPSES. CASE OF STUDY: COFRE DE PEROTE, (MEXICO).

R. DIAZ  R. DIAZ

CASTELLON  CASTELLON

SIII-08-P  TOPOGRAPHIC CHANGES AT ARENAL VOLCANO (COSTA RICA): GIS, DEM UNCERTAINTY AND POSSIBLE HAZARD IMPLICATIONS

D. ORAMAS  D. ORAMAS

DORTA  DORTA

SIII-09-P  EFFECTS OF VALLEY GEOMORPHOLOGY ON PYROCLASTIC FLOW HAZARDS: THE VAZCUN VALLEY AND THE CITY OF BAÑOS, ECUADOR.

A.J. STINTON  A.J. STINTON

SIII-10-P  MODELLING PYROCLASTIC FLOWS WITH TITAN2D

C. WIDIQJAYANTI  B. VOIGHT

SIII-11-P  COMPUTER MODELLING THE PYROCLASTIC FLOW HAZARDS OF MOUNT NGUARUHOE, TONGARIRO VOLCANIC COMPLEX, NEW ZEALAND

K. MARTELLI  S. CRONIN

SIII-12-P  EVALUATING THE UPDATED TITAN2D MASS-FLOW MODEL: THE NOVEMBER 3, 2002 LITHIC-RICH PYROCLASTIC FLOWS AT EL REVENTADOR

B. BURKETT  M.F. SHERIDAN

SIII-13-P  TITAN2D MODELS OF ARENAL PYROCLASTIC FLOWS

M. BERROCAL  E. MALAVASSI

SIII-14-P  INTEGRATION OF GEOPHYSICAL MASS FLOW MODEL AND GIS FROM GEOGRAPHIC INFORMATION SCIENCE (GISCIENCE) PERSPECTIVE

L.M. NAMIKAWA  L.M. NAMIKAWA

SIII-15-P  UTILISING TITAN 2D TO FORECAST DOME-COLLAPSE BLOCK-AND-ASH FLOW (BAFS) HAZARDS FROM MOUNT Taranaki

J. PROCTER  J. PROCTER

SIII-16-P  FORMULATION AND VALIDATION OF FALL3D-P: A PARALLEL COMPUTATIONAL MODEL FOR VOLCANIC ASH TRANSPORT

A. FOLCH  A. COSTA

SIII-17-P  NEW DISPERSION-MODEL ENSEMBLE TECHNIQUES FOR IMPROVED ASH HAZARD FORECASTS

R. PETERSON  R. PETERSON

SIII-18-P  SOLUTION AND PARAMETRIC STUDY OF A COMBINED CONDUIT AND ERUPTION COLUMN MODEL

M. DIEZ  M. DIEZ

SIII-19-P  HAZARD ESTIMATION USING BEOWULF CLUSTER SIMULATIONS OF TEPHRA FALLOUT AND LAHARS IN IRAZU VOLCANO, COSTA RICA

J. CASTRO  J. CASTRO

SIII-20-P  SIMULATION OF VOLCANIC ERUPTIONS: VALIDATION OF ATHAM

S.E. KOBS  S.E. KOBS

SIII-21-P  EXPERIMENTAL DETERMINATION OF DRAG COEFFICIENT FOR VOLCANIC MATERIALS: CALIBRATION AND APPLICATION OF A MODEL TO POPOCATEPETL VOLCANO (MEXICO) BALLISTIC PROJECTILES

M.A. ALATORRE-IBARGUENGUITAI  H. DELGADO GRANADOS

SIII-22-P  REAL TIME HAZARD MAP IN COTOPAXI VOLCANO

M. RIVERA  M. RIVERA

SIII-23-P  LAHAR HAZARD ASSESSMENT AT NEVADO CAYAMBE VOLCANO (ECUADOR)

P. SAMANIEGO EGUIURREN  P. SAMANIEGO EGUIURREN

SIII-24-P  VOLCANOES OF CENTRAL AMERICA: AN INTERACTIVE CD-ROM FROM THE SMITHSONIAN INSTITUTION'S GLOBAL VOLCANISM PROGRAM

L. SIEBERT  L. SIEBERT

SIII-25-P  CARTOGRAFÍA DIGITAL DE VOLCANES EN MÉXICO

A.F. BARRIENTOS REYNA  A.F. BARRIENTOS REYNA

SIII-26-P  DATAMART OF VOLCANOLOGY FOR THE INSTITUTO GEOFÍSICO OF THE ESCUELA POLITÉCNICA NACIONAL

O. MALDONADO  O. MALDONADO
Symposium IV-A: Volcano Studies--Upper Level (Above Main Patio) Corridors of the Convent

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E. WIDOM  E. WIDOM

SIVA-50-P UNREST AT TEIDE VOLCANO: MULTIDISCIPLINARY APPROACH FOR VOLCANO MONITORING AND VOLCANIC HAZARDS EVALUATION

A. GARCIA  A. GARCIA

SIVA-51-P THE WIDESPREAD MIOCENE AYAGAURES IGNI MBRITE ON GRAN CANARIA (CANNARY ISLANDS)

M. JUTZELER  M. JUTZELER

SIVA-52-P SELF-POTENTIAL AND IMAGE ANALYSIS OF MOUNT NEMRUT (EASTERN TURKEY): AN APPROACH TO THE HYDROTHERMAL SYSTEM

I. ULUSOY  I. ULUSOY

SIVA-53-P DISCOVERY OF STROMBOLIAN CONE AT TOTAP-TAPSETSA, NORTH-EAST SLOPE OF MOUNT BAMBOUTO: IMPLICATIONS IN THE PETROGENESIS AND THE VOLCANIC ACTIVITY OF BAMBOUTO VOLCANOE (CAMEROON LINE)

A. KAGOU DONGMO  A. KAGOU DONGMO

SIVA-54-P NEW PETROLOGICAL AND GEOCHEMICAL DATA IN THE ALKALINE COMENDITIC RHYOLITES OF THE MBEPIT MASSIF (NOUN PLAIN, CAMEROON LINE); WITNESS OF AN EXTRUSIVE VOLCANIC ACTIVITY DURING EOCENE

D. TCHOKONA SEUWUI  M. - J. BARDINTZEFF

SIVA-55-P ACTIVE VOLCANOES OF KURILE ISLANDS, RUSSIA.

A. BELOUSOV  A. BELOUSOV

SIVA-56-P GROWTH AND ERUPTION HISTORY OF UNZEN VOLCANO, JAPAN – RESULTS OF TWO FLANK DRILLINGS OF UNZEN SCIENTIFIC DRILLING PROJECT (USDP)

H. HOSHIZUMI  H. HOSHIZUMI

SIVA-57-P VOLCANIC GEOLOGY OF THE QUATERNARY JEJU VOLCANIC ISLAND, KOREA

S.H. YUN  S. - H. YUN

SIVA-58-P WORKING TOWARD A HIGH-PRECISION RECORD OF MT. TARANAKI ERUPTIONS AND ASHFALLS, NEW ZEALAND

M. TURNER  S. CRONIN

SIVA-59-P PETROLOGICAL EVOLUTION IN ANDESITE VOLCANOES AND ITS ROLE IN HAZARDS ASSESSMENT

I. SMITH  I. SMITH

SIVA-60-P STOCHASTIC MODIFICATION OF VISCOELASTIC TURBULENCE AS SOURCE OF VOLCANIC TREMOR

S. ARAUJO  S. ARAUJO

SIVA-61-P SEA-CALIPSO ‘ONSHORE-OFFSHORE’ SEISMIC EXPERIMENT TO IMAGE MAGMA RESERVOIR ON MONTserrat

B. VOIGHT  B. VOIGHT

SIVA-62-P COMPLEX ERUPTION DYNAMICS IN A HAWAIIAN EXPLOSIVE ERUPTION: KILAUEA IKI 1959

W. STOVALL  W. STOVALL

SIVA-63-P DYNAMICS OF A BASALTIC PLINIAN ERUPTION: MICROTEXTURAL STUDIES OF FONTANA TEPHRA (MASAYA VOLCANO, NICARAGUA)

L. COSTANTINI  L. COSTANTINI

SIVA-64-P DEGASSING PATHS PROVIDED BY THE AMOUNT AND DISTRIBUTION OF HYDROUS SPECIES IN VOLCANIC GLASSES FROM THE ASTRONI VOLCANO, CAMPI FLEGREI, ITALY

R. PETRINI  R. PETRINI

SIVA-65-P ANALOGUE MODELLING OF CALDERA RESURGENCE IN EXTENSIONAL SETTINGS. COMPARISON TO ISCHIA ISLAND (ITALY) AND IMPLICATION FORECASTING.

E. MAROTTA  E. MAROTTA

SIVA-66-P THE POMICI PRINCIPALI: A PLINIAN ERUPTION IN THE PAST 15 KA AT THE CAMPI FLEGREI CALDERA (ITALY)

L. CIVETTA  L. CIVETTA

SIVA-67-P FUTURE ERUPTION SCENARIO OF PURACE VOLCANO, COLOMBIA

M.L. MONSALVE  M.L. MONSALVE

SIVA-68-P THE INGV-ITALIAN CIVIL PROTECTION RESEARCH PROGRAM ON ITALIAN ACTIVE VOLCANOES: ALBAN HILLS VOLCANIC DISTRICT (CENTRAL ITALY)

C. FREDA  C. FREDA

SIVA-69-P POST-CALDERA ERUPTIVE HISTORY OF OKMOK VOLCANO, ALASKA

C. NEAL  C. NEAL

SIVA-70-P THE IMPACTS OF PYROCLASTIC DENSITY CURRENTS ON BUILDINGS AT THE CATASTROPHIC ERUPTION OF NEVADO DEL RUIZ VOLCANO, COLOMBIA

M. CALVACHE  M. CALVACHE

SIVA-71-P TRANSITIONAL DYNAMICS AND TRANSITIONAL DEPOSITS: THE EXAMPLE OF THE 800 BP QUILOTOA PLINIAN ERUPTION (ECUADOR)

A. DI MURO  A. DI MURO

SIVA-72-P LINKING EXPLOSION INTENSITY AND MAGMA RHEOLOGY VIA ANALYSIS OF TEXTURES OF EJECTA FROM STROMBOLI VOLCANO IN 2002

N. LAUTZE  N. LAUTZE

SIVA-73-P 2005 ERUPTION OF BEZYMIANNY VOLCANO, KLYUCHEVSKAYA GROUP, KAMCHATKA, RUSSIA

O. GIRINA  O. GIRINA

SIVA-74-P LAVA DOME OF VOLCANO SHEVELUCH (KAMCHATKA, RUSSIA) IN 2004-2005

N. GORBACH  N. GORBACH

SIVA-75-P DEPOSITIONAL CHARACTERISTICS AND IMPLICATIONS FOR THE TRANSPORT MECHANISM OF THE 1792 DEBRIS AVALANCHE GENERATED BY THE COLLAPSE OF MAYUYAMA LAVA DOME, JAPAN

C. MELENDEZ  C. MELENDEZ

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S. NAKADA  S. NAKADA

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S. TAKARADA  S. TAKARADA

SIVA-78-P DEPOSITIONAL FEATURES AND TRANSPORT MECHANISM OF THE 1991-95 UNZEN BLOCK-AND-ASH FLOWS, JAPAN

M. YOSHIMOTO  M. YOSHIMOTO
**INTERDISCIPLINARY STUDY OF CRITICAL EVOLUTION TO PRE-ERUPTIVE AND ERUPTIVE PROCESSES AT CAMPI FLEGREI ACTIVE CALDERA**

**Poster Title**

**FIRST AUTHOR**

**PRESENTER**

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**SV-001-P**
DE LA GESTIÓN DE DESASTRES A LA GESTIÓN DE RIESGO – ANÁLISIS DE LA PROBLEMÁTICA EXISTENTE EN LOS SISTEMAS DE RESPUESTA A DESASTRES

D. ARTEAGA

D. ARTEAGA

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**SV-002-P**
VESUVIUS RISKS ASSESSMENT IN THE NATIONAL ALERT SYSTEM

G. BERTOLASO

CH. CARDACI

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**SV-003-P**
EVIDENCES FOR POTENTIAL FUTURE SECTOR COLLAPSE AT VOLCANO ROCA REDONDA, NORTHERN GALAPAGOS – TECTONICS, SIMULATION AND CONSEQUENCES

M. DE LA CADENA

M. DE LA CADENA

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**SV-004-P**
RISK MANAGEMENT OF VOLCANIC CRISIS IN QUITO'S METROPOLITAN AREA

P. DELLINO

ISAIA R.

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**SV-005-P**
EXPECTED ERUPTIVE SCENARIO AT THE CAMPI FLEGREI CALDERA: THE LESSON FROM ASTRONI VOLCANO

C. FRISCHKNECHT

C. FRISCHKNECHT

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**SV-006-P**
RISK MANAGEMENT: EXPERT JUDGEMENT EVOLUTION

J-C GAILLARD

J.-C. GAILLARD

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**SV-007-P**
INCREASING VOLCANIC DISASTERS IN THE PHILIPPINES: TRACKING THE ROOT CAUSES OF VULNERABILITY

J. MARÍNO

J. MARÍNO

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RISK MANAGEMENT AT VOLCAN DE COLIMA MEXICO, 1997-2005: LESSONS LEARNED AND THE PROBLEM OF FORESCATING A PLINIAN ERUPTION

J.C.GAVILANES

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EARLY PARTICIPATORY INTERVENTION FOR CATASTROPHE TO REDUCE ISLAND VULNERABILITY

K. HAYNES

K. HAYNES

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**SV-010-P**
PREPARATION OF UPDATED VOLCANIC HAZARDS MAP FOR EL MISTI VOLCANO, PERU

J. MARIÑO

J. MARIÑO

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**SV-011-P**
THE VILLARRICA VOLCANO HAZARDS MAP AND THE LAND USE PLANNING PROJECT WITHDRAWAL: AN EXCEPTIONAL CASE HISTORY IN CHILE

H. MORENO

H. MORENO

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SOME UNCERTAINTIES ASSOCIATED WITH FUTURE COTOPAXI LAHARS

P. MOThES

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**SV-013-P**
LAHARIC HAZARDS AT LAS CASCADAS VILLAGE, OSORNO VOLCANO, CHILE

J. MUÑOZ

J. MUÑOZ

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**SV-014-P**
POSSIBLE ERUPTION SCENARIOS AT ISCHIA VOLCANIC ISLAND (ITALY), INFERRED FROM ITS PAST BEHAVIOUR AND PRESENT STRUCTURAL SETTING.

G. ORSI

E. MAROTTA

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**SV-015-P**
BUILDING THE EXPERTS’ KNOWLEDGE ABOUT RISK

M. PADLOG

M. PADLOG

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**SV-016-P**
RISK MANAGEMENT AND REDEVELOPMENT AFTER VOLCANIC DISASTER: MODELING LONG-TERM RECOVERY SCENARIOS FOR MONTSERRAT

J. ROZDILSKY

J. ROZDILSKY

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**SV-017-P**
VOLCANIC RISK ASSESSMENTS IN SAINT LUCIA ISLAND, LESSER ANTILLES: QUANTIFIED EVALUATION OF THE AFFECTED POPULATION AND ESTIMATION OF THE ECONOMICAL LOSSES

J. RUCH

J. RUCH

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**SV-018-P**
HAZARDS AND RISKPOSED BY A NEW CRATER LAKE AT WHITE ISLAND, NEW ZEALAND

B. SCOTT

B. SCOTT

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**SV-019-P**
ASSESSING CURRENT VOLCANIC HAZARDS USING HISTORICAL ERUPTIONS: THE CASE OF TENERIFE

C. SOLANA

C. SOLANA

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**SV-020-P**
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A. SZAKACS

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**SV-021-P**
VULNERABILITY OF NORMAL OCCUPATION HOUSES BEFORE THE ASH FALL OF THE GALERAS VOLCANO

R. TORRES

R. TORRES

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**SV-022-P**
VOLCANIC HAZARD MAP OF SUMACO, SUBANDEAN ECUADOR

T. TOULKERIDIS

T. TOULKERIDIS

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**SV-023-P**
LONG- AND SHORT-TERM PROBABILISTIC ASSESSMENT FOR FUTURE ERUPTIONS OF COTOPAXI VOLCANO (ECUADOR)

J. AGUILAR

J. AGUILAR

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G. KAYE

G. KAYE

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S. HAYES

S. HAYES

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S. JENKIS

S. JENKIS

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V. NEALL

V. NEALL

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A. AGUDELO

B. PULGARIN

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E. BARTOMIOLI

E. BARTOMIOLI
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J. ANDERSON

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A. MAHMOOD

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L. LYNCH

SVI-26-P FROM UNREST TO ERUPTION IN LESS THAN 3 WEEKS--THE 2004-2005 ERUPTION OF MOUNT ST. HELENS, USA

C. GARDNER

SVI-27-P THE ACTIVITY OF VOLCAN DE FUEGO DE COLIMA, MÉXICO, AND THE VOLCANIC EMERGENCY MANAGEMENT

M. BRETON

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Symposium VIII:--- History, Archaeology, and Legends --Lower Level (Main Patio) Corridors

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COV4 Meeting Schedule - Thursday, 26 January, 2006

8H30 - 9H00
**Plenary Symposium V: Risk Management**

Chris Newhall

INTEGRATING VOLCANO MONITORING, PHYSICAL IMPACTS AND HUMAN RESPONSES INTO RISK ASSESSMENT

9H00-9H30
**Plenary Symposium V: Risk Management**

Angeles Arenas

EL RIESGO COMO FACTOR EN LA SOSTENIBILIDAD DEL DESARROLLO: EL CASO DE LOS VOLCANES

**Sala 1 (large)**

V: Risk Management

Chairs: C. Newhall & W. Aspinall

**Sala 2 (medium)**

IV-A: Volcano Studies Continuation

Chairs: M. Coltelli, P. Ramón, J.-P. Eissen, S. de la Cruz

**Sala 3 (small)**

VIII: History, Archaeology and Legends

Chairs: K. Cashman & G. Giordano

**9H30 - 9H50**

R. D’Ercole: VOLCANIC RISK PERCEPTION: COMPARING PUBLIC PERCEPTION MAPS AND SCIENTISTS HAZARD MAPS

P. SAMANIEGO: PETROLOGICAL MONITORING OF THE 2002-2005 ERUPTION OF REVENTADOR VOLCANO


D. Swanson: PELE LEGENDS MERGE WITH ORAL HISTORY TO DESCRIBE 400 YEARS OF KILAUEA’S ACTIVITY

**9H50 - 10H10**

M. Daly: MEASURING COMMUNITY RESILIENCE IN AUCKLAND, NEW ZEALAND

R. Gertisser: VOLCANIC HAZARDS AT MERAPI, CENTRAL JAVA, INDONESIA: INFERENCES FROM THE VOLCANO’S PAST HISTORY

C. Matthews: A FRACTURE-MECHANICAL MODEL OF PRE-ERUPTIVE SEISMICITY: APPLICATION TO TOKYO’S THREAT FROM MT. FUJI

**10H10 - 10H30**

W. Aspinall: SCIENTIFIC PARTICIPATION IN A VOLCANIC CRISIS: PERSPECTIVES, CHALLENGES AND EXPERIENCES FROM MONSERRAT

W. Marzocchi: BET-VH: A PROBABILISTIC TOOL FOR LONG AND SHORT TERM VOLCANIC HAZARD

N. Geshi: CALDERA COLLAPSE AND PHREATOMAGMATIC ERUPTIONS DURING THE 2000 AD ACTIVITIES OF MIYAKEJIMA VOLCANO, Izu-Bonin Volcanic Arc, Japan

R. Scandone: MAGMA ASCENT, PRECURSORS AND ERUPTION DYNAMICS AT MT ST HELENS BETWEEN 1990 AND 1986

J. Keller: HISTORICAL ACTIVITY AND VOLCANIC HAZARD AT OLOINYO LENGAI, TANZANIA

**10H30 - 11H00**

COFFEE BREAK

**11H00 - 11H20**

W. Marzocchi: BET-VH: A PROBABILISTIC TOOL FOR LONG AND SHORT TERM VOLCANIC HAZARD

N. Geshi: CALDERA COLLAPSE AND PHREATOMAGMATIC ERUPTIONS DURING THE 2000 AD ACTIVITIES OF MIYAKEJIMA VOLCANO, Izu-Bonin Volcanic Arc, Japan

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**11h20 - 11H40**

C. Magill: VOLCANZ- VOLCANIC LOSS MODEL FOR NEW ZEALAND

R. Blong: AN ERUPTION ON TIMOR IN 1638 – SEPARATING FACT FROM FICTION

**11H40 - 12H00**

A. Nave: PUBLIC EDUCATION IN THE NATIONAL PARK OF VESUVIUS

G. Heiken: WHERE WERE THE RESIDENTS OF AKROTIRI DURING THE BRONZE AGE ERUPTION OF THIRA, GREECE?

**12H00 - 12H20**

H. Okada: DECADES OF LONG CULTURAL ACTIVITIES FROM VOLCANIC HAZARD MANAGEMENT

I. Savov: VULCANIAN-STYLE ERUPTIONS AT VOLCAN COLIMA (MÉXICO): INSIGHTS FROM PETROLOGICAL MONITORING FOR THE PERIOD 1999-2005


**12H20-14H00**

Lunch in Iglesia San Agustin
14H00 - 14H30  Sala 1—Plenary Symposium V: History, Archaeology and Legends  
K. Cashman: VOLCANOES AND HUMAN HISTORY (10 Min)  
G. Giordano: THE RECENT ACTIVITY OF THE LAKE ALBANO MAAR (COLLI ALBANI VOLCANO, ROMA, ITALY): INTEGRATION OF GEOLOGICAL, ARCHAEOLOGICAL AND HISTORICAL DATA (20 Min)  
V: Risk Management-Cont.  
IV-A: Volcano Studies-Cont.  
VIII: History, Archaeology, and Legends-Cont.  
Chairs: M. Coltelli, P. Ramón, J.-P. Eissen, S. de la Cruz  
Chairs: K. Cashman & G. Giordano  
14H30-14H50  
M. Guffanti: THE HIGH STAKES OF MITIGATING THE VOLCANIC ASH THREAT TO AVIATION  
S. Keiffer: VOLCANO REVENTADOR'S UNUSUAL UMBRELLA  
M. Ort: EFFECTS OF CINDER-CONE ERUPTIONS ON HUMAN POPULATIONS IN SOUTHWESTERN NORTH AMERICA  
14H50-15H10  
J. Calkins: GROUND-BASED THERMAL OBSERVATIONS OF TWO LAVA LAKES, EREBUS VOLCANO, ROSS ISLAND, ANTARCTICA  
M. Ort: EFFECTS OF CINDER-CONE ERUPTIONS ON HUMAN POPULATIONS IN SOUTHWESTERN NORTH AMERICA  
S. Tapuka: WORKING EFFECTIVELY WITH TANGATA WHENUA IN VOLCANIC RISK MANAGEMENT IN AOTEAROA-NEW ZEALAND.  
15H10-15H30  
M. Jara: LA FORTUNA: VOLCANIC TOWN, COSTA RICA. TOURIST DEVELOPMENT CONSISTENT WITH SETTLER'S PERSONAL SAFETY  
J. Lees: DYNAMICS OF GAS-ROCK INTERACTION AT Erupting VOLCANOES  
S. De la Cruz: REGIONAL STRESS CHANGES TRIGGERING AN ERUPTION OF TUNGURAHUA VOLCANO  
15H30-15H50  
I. Segura: PUERTO OCTAY TOWN, CHILE, AN EXPERIENCE OF THE COMMUNITY PARTICIPATION  
S. De la Cruz: REGIONAL STRESS CHANGES TRIGGERING AN ERUPTION OF TUNGURAHUA VOLCANO  
J. Zeidler: MODELING CULTURAL RESPONSES TO VOLCANIC DISASTER IN THE JAMACOAQUE II CULTURE, COASTAL ECUADOR  
15H40-16H10  
I. Kelman: LIVING WITH VOLCANOES: A FRAMEWORK FOR ANALYZING VOLCANO-RELATED OPPORTUNITIES  
J. Sable: CAUSES FOR SIMULTANEOUS CONTRASTING ERUPTIVE STYLES DURING THE TARAWERA 1886 ERUPTION INFERRED FROM CHEMICAL AND TEXTURAL CHARACTERISTICS OF THE DEPOSITS  
Panel Discussion  
16H10-18H00  
Poster Session #2: NEW COMPUTATIONAL TECHNIQUES & VOLCANO STUDIES (Upper Corridors); RISK MANAGEMENT, EMERGENCY MANAGEMENT & ARCHAEOLOGY (Main Patio Corridors) w/ Beverages and Snacks §  
18H00-  
Return to Hotels  
19H00-  
Evening Activities in Hotel Quito: NOVAC-2 & JVGR Special Publication meetings—For more details see Workshops and Other Activities Program
8H30  Plenary Symposium VI: Emergency Management

9H00 - 9H30  Plenary Symposium VI: Emergency Management
P. Dunkley: PROBLEMS AND LESSONS LEARNED AT THE SOUFRIÈRS HILLS VOLCANO, MONTSERRAT

9H30 - 10H00  Plenary Symposium III: New Computational Techniques for Mitigating Volcanic Hazards
M. Sheridan: THE TITAN PROJECT: COMPUTATIONAL MODELLING OF GRANULAR AND WET MASS FLOWS FOR VOLCANIC HAZARDS APPLICATIONS

10H00 - 11H20  Poster Session #2 Continued: NEW COMPUTATIONAL TECHNIQUES & VOLCANO STUDIES (Upper Corridors); RISK MANAGEMENT, EMERGENCY MANAGEMENT & ARCHAEOLOGY (Main Patio Corridors) w/ Beverages

Sala 1 (large)  Sala 2 (medium)

VI: Emergency Management  III: New Computational Techniques for Mitigating Volcanic Hazards

11H20 - 11H40  C. R. J. Kilburn: HAZARD AWARENESS AMONG DECISION MAKERS AT VOLCANOES IN RESPONSE: THEORY AND PRACTICE
11H40 - 12H00  M. Davis: AWARENESS OF VOLCANIC HAZARDS AND PERCEPTIONS OF RISK IN COMMUNITIES SURROUNDING ETNA AND VESUVIO, ITALY
12H00-12H20  I. Itikarai: VOLCANO EMERGENCY MANAGEMENT IN PAPUA NEW GUINEA SINCE THE DESTRUCTIVE 1994 RABAUL ERUPTION
12H20 - 14H00  Lunch in Convento San Francisco

11H40 - 12H00  T. Esposti-Ongaro: A NEW HIGH-PERFORMANCE 3D MULTIPHASE FLOW CODE FOR THE SIMULATION OF COLLAPSING COLUMNS AND VOLCANIC BLASTS
12H00-12H20  M.V. Avolio: A COMPUTATIONAL METHOD FOR MODELLING AND SIMULATING LAVA FLOWS AND PYROCLASTIC FLOWS BY CELLULAR AUTOMATA
12H20 - 14H00  A. Vicari: SIMULATIONS OF LAVA FLOWS AT ETNA VOLCANO USING CA AND SPH MODELS

14H00-14H20  A. Scalzo: STROMBOLI VOLCANO (ITALY): FROM THE MANAGEMENT OF THE 2002-2003 ERUPTIVE CRISIS TO THE BIRTH OF A PERMANENTLY OPERATING CIVIL PROTECTION SYSTEM, ON THE ISLAND.
14H20-14H40  S. Aramaki: STRATEGY OF VOLCANIC DISASTER MITIGATION IN JAPAN: CO-ORDINATION BETWEEN CIVIL DEFENSE AUTHORITIES AND COMMUNICATION BETWEEN SCIENTISTS AND ADMINISTRATION


14H00-14H20  S. Schilling: LAHARZ: A STATISTICALLY-BASED APPROACH TO FORECAST INUNDATION BY LAHARS.
14H20-14H40  M. Morrisey: SPATIAL AND TEMPORAL EVOLUTION OF RAIN-INDUCED LAHAR INITIATION
14H40-15H00  S. Bailey: INTEGRATING EMERGENCY RESPONDERS AND SCIENTISTS INTO THE EMERGENCY RESPONSE PLAN AT MOUNT RAINIER, WASHINGTON, USA

G. Falorni: SIMULATING LAHARS AT COTOPAXI VOLCANO: A COMPARISON OF MODELS

15H00 - 15H20  C. Barnes: PSYCHOSOCIAL EFFECTS OF THE MONTSERRAT VOLCANIC ERUPTION AND COPING: SOME REFLECTIONS 10 YEARS ON

K. Kelfoun: STRUCTURES AND DYNAMICS OF THE SOCAMPA ROCK AVALANCHE, CHILE: IMPLICATIONS FOR GEOPHYSICAL FLOW SIMULATIONS

15H20-15H50  COFFEE BREAK

15H50-16H10  C. Gardner: NEW ALERT-LEVEL SYSTEM FOR U.S. VOLCANO OBSERVATORIES

C. Connor: INVERSION IS THE SOLUTION TO DISPERSION: MODELING TEPHRA FALLOUT

16H10-16H30  S. Williams: PLANNING FOR WELFARE ISSUES IN A LARGE-SCALE LONG-TERM EVACUATION IN RESPONSE TO A VOLCANIC THREAT – THE CHALLENGES TO NEW ZEALAND.

T. Hinks: BAYESIAN BELIEF NETWORKS FOR VOLCANO HAZARD FORECASTING AND DECISION SUPPORT

16H30-16H50  R. Delgado: LIVING ALONG WITH AN ACTIVE VOLCANO (GALERAS, COLOMBIA)

D. Cervelli: AN INTEGRATED SUITE OF VOLCANO MONITORING DATA MANAGEMENT AND VISUALIZATION SOFTWARE

16H50-17H10  J. Woodcock: SUCCESS IN EMERGENCY MANAGEMENT: EMPOWERING CITIZENS TO PREPARE FOR AND RESPOND TO VOLCANIC HAZARDS

K. Dean: DEVELOPMENT AND IMPLEMENTATION OF VOLCANO SATELLITE-MONITORING DATABASE SYSTEM

17H10-  Closing Session- Sala 1

17H40

Return to Hotels in buses

19H30

Depart from hotels in buses to La Capilla del Hombre-Guayasamin

20H00-22H00  Buffet Meal -- La Capilla del Hombre- Guayasamin