

SCIENTIFIC SESSIONS SCHEDULE
(September 14 – 19, 2009)

Monday 14

10:30 Official Opening

11:00 Scientific Session

Convenor: Roberto Carniel

Solved and unsolved problems in physical volcanology from a risk assessment point of view

J. W. Neuberg

The intrinsic Damping of Low-Frequency Events due to Viscous Magma

P.J. Smith & J. W. Neuberg

Lunch

Fully axially symmetric (3D) conduit flow modelling, initial observations as to how the conduit geometry effects the behaviour of a compressible magma

M. Thomas & J.W. Neuberg

FEM modelling of deformation induced by interacting volcanic sources

K. Pascal, J. Neuberg, E. Rivalta, T. Wright, N. Houlié

Coffee Break

Large repeating VTs at the Soufrière Hills Volcano: what do they mean?

P.J. Smith & R. C. Stewart

Methods for detecting a component of volcanic origin within a seismic series

R. Ortiz, A. García, M. Tárraga and J.M. Marrero

19:30-20:00 Dinner

Tuesday 15

09:30 Field Trip

19:30-20:00

Dinner

Red Wine tasting session

Wednesday 16

Convenor: Joan Martí

- 09:30 *Volcano tremors and regional seismic activity*
R. Ortiz; S. Falsaperla; A. García; M. Tárraga; A. Messina; J.M. Marrero and
S. de la Cruz-Reyna
*Local seismic signal analysis to predict large eruptions at Popocatepetl, Mexico,
volcano for Civil Protection strategies*
D. A. Novelo-Casanova
Phreatic eruptions triggered by earthquakes at Poás volcano (Costa Rica)
B. Gómez-Izquierdo; G. Cervantes; J.M. Azañón and H. Rymer

Coffee Break

*Dynamical analysis at Popocatepetl volcano (México): examples of the
influence of tectonic earthquakes on volcanic activity*
M. Tárraga; A.T. Mendoza-Rosas; R. Carniel; S. de la Cruz-Reyna and A.
Martínez-Bringas
*Did the Puebla earthquake influence activity of Nevado de Toluca volcano? A
SOM approach*
R. Carniel; L. Barbui and A.M. Alarcón Ferreira
*Contribution of Volcano- Seismicity analysis to probabilistic eruption
Forecasting Assessment*
A.García-Aristizabal & W. Marzocchi

Lunch

- 15:30- Wine tasting in Pico Cooperative
Visit at Lava tube “Gruta das Torres”
- 19:30-20:00 Dinner

Thursday 17

Convenor: Robert White

09:30 *Influence of a $M=7.3$ regional earthquake on the explosion quakes and LP events of Yasur volcano (Vanuatu)*
J. Battaglia; J.P. Métaxian and E. Garaebiti
The Carrán, Riñinahue and Mirador eruptions: case histories of small eruptive centers reactivations in young Arc Volcanism related to a major fault zone? Sothern Andes (40.2°S), Chile
H. Moreno & L. E. Lara

Coffee Break

Long term intraarc tectonics and monogenetic volcanism in Southern Andes: clues to understand the Aysén 2007 seismic swarm
L.E. Lara; J. Cembrano and **H. Moreno**
Helioseismology
H.R. Martens

14:30 Visit to Whale Museum and/or Whale watching

Friday 18

Convenor: Jurgen Neuberg

09:30

42 is the answer. What was the question?

R. Carniel

On magmas, magma chambers, and other stories

J. Martí

Earthquake and volcano hazards of the Azores Archipelago

Z. Franca; Robert I. Tilling and V. Forjaz

The Cedros ignimbrite, Faial, Island, Azores

G. Caniaux

Coffee Break

*A Seismic Velocity Model for Tenerife as an improvement of the Canary Island
Volcano Monitoring System*

C.del Fresno; A. Gomis; C. López and A. Villaseñor

*A hunt for low-frequency seismic signals at the Soufrière Hills volcano,
Montserrat*

R.C. Stewart

Lunch

*Lower crustal earthquakes at Askja volcano, central Iceland, an indication of
lower crustal melt movements*

J. Key; Heidi Soosalu and R. White

Anatomy of Melt Intrusion at 15-18 km depth beneath Upptyppingar, Iceland

R.S. White; J. Drew; H. Soosalu; J. Key; A. Nowacki and S. Jacobsdóttir

*Linking stress distribution due to magma emplacement to volcano-tectonic
events*

Dulce Vargas-Bracamontes & **Jurgen Neuberg**

Remarks on expert elicitation as implemented in Montserrat

Jurgen Neuberg

Conclusions and 2010/2011 ESC Workshop