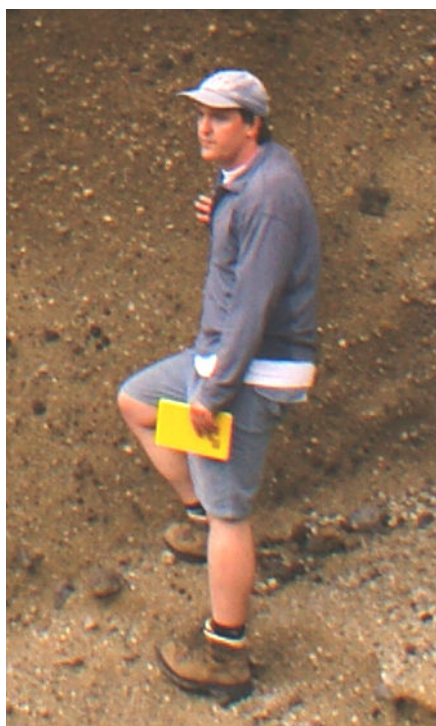


SENIOR BURSARY REPORT

Report from the 6th Cities on Volcanoes Conference, Tenerife, Canary Islands, Spain

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I would like to thank the Mineralogical Society for supporting my attendance at the 6th Cities on Volcanoes conference, held from 31 May to 4 June 2010 in Puerto de la Cruz, Tenerife, Spain.



The Cities on Volcanoes meetings are aimed at bringing together geoscientists working on active volcanoes, authorities, civil protection specialists, city planners, social scientists, economists, psychologists, educators, health specialists, engineers, mass media and general members of communities living in active volcanoes to exchange and understand their experiences and knowledge in order to evaluate and improve prevention/mitigation actions, land-use planning, emergency management, and all required measurements to improve volcanic risk management in densely populated volcanic regions. The first Cities on Volcanoes conference, held in Rome and Naples in 1998, started with merely more than 100 participants. This was followed by meetings in Auckland, New Zealand (2001), Hilo, USA (2003), Quito, Ecuador (2006), Shimabara, Japan (2007) and, most recently, in Tenerife, Spain, which had 863 registered participants from 53 countries.

Hosted by the Cabildo Insular de Tenerife and ITER and co-hosted by the International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI) and several other institutions and organizations, the 6th Cities on Volcanoes conference offered a range of scientific and technical sessions,

fieldtrips and cultural activities. It allowed me to present recent results from several collaborative research projects between the Keele Petrology Group and colleagues in the UK and abroad:

- ❑ Dynamics and hazards of block-and-ash flows at Merapi volcano, Indonesia (Charbonnier, S. & Gertisser, R.)
- ❑ Unravelling the deposit architecture of block-and-ash flows: a multi-parameter approach (Charbonnier, S., Gertisser, R., Karatson, D., Cassidy, N., Nuzzo, L. & Preece, K.)
- ❑ Ignimbrite-forming eruptions on Terceira, Azores (Gertisser, R., Self, S., Gaspar, J.L., Kelley, S.P., Pimentel, A., Eikenberg, J., Barry, T.L., Pacheco, J.M., Queiroz, G. & Vespa, M.)
- ❑ Lava dome extrusion into an active crater lake: the 2007-2008 eruption of Kelut volcano, Java, Indonesia (Jeffery, A., Gertisser, R., Humaida, H., O'Driscoll, B. & Tindle, A.)
- ❑ Recognition of a major ignimbrite in the early evolution of the Santorini group: the Cristiani ignimbrite (Keller, J., Dietrich, V., Reusser, E., Gertisser, R. & Aarburg, S.)
- ❑ Identifying the driving forces behind recent pulsations in activity at Merapi volcano, Central Java, Indonesia (Preece, K., Gertisser, R., Barclay, J. & Herd, R.)

Like the previous Cities on Volcanoes conferences in Quito and Shimabara, I thoroughly enjoyed this meeting. It provided the perfect venue to disseminate the latest research results, catch up with friends and colleagues and develop collaborative links. Fieldtrips to the spectacular Las Cañadas caldera and the summit of Teide, the third largest volcano in the world from its base, were the icing on the cake. I am extremely grateful for the funding I received from the Mineralogical Society.

Ralf Gertisser, Keele, 7 July 2010