

IAVCEI/IASPEI

COMMISSION on Volcano Seismology

FOR 2011 & 2012

Commission leader(s) information:

(repeat the information for each commission leader , [click here](#))

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Starting Date: January 2003

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Commission leader(s) information:

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Brief (half page max) description of main objectives:

The fundamental aim of the commission is to promote volcano seismology as a tool to gain a better understanding of the dynamics of volcanoes and improve our ability to accurately predict their behaviour. The goals of the Commission are fivefold:

1. To facilitate collaborations among scientists and institutions investigating volcanic processes and structures.
2. To facilitate the transfer of knowledge, tools and training between scientists and volcano observatories, especially in developing countries.
3. To promote the use of state-of-the-art seismic equipment, such as broadband sensors and high dynamic range data loggers, in routine volcanic monitoring and seismic experiments.
4. To promote conferences, seminars and high-level education aimed at familiarising researchers with modern theoretical and experimental seismic methods used in the interpretation of volcanic processes and structures.
5. To promote funding from international organisations that could help defray travel and related expenses for the activities listed above.

List of Commission members:

Joint Chair of the Commission: Jurgen Neuberg

Joint Chair of the Commission: Hiroyuki Kumagai

US Representative: Peggy Hellweg

US Representative: Jeffrey B. Johnson

Latin American Representative: V Zobin

EU Representative: Roberto Carniel

New Zealand Representative: Art Jolly

South American Representative: Mario Ruiz

European Representative: Philippe Lesage

Recent workshops and meetings

(for the last years, indicating name, place, dates, aim, number of participants)

Since several years now, annual workshops are organized as a joint effort by the *IASPEI/IAVCEI Inter-Association Commission on "Volcano Seismology"* and the *Working Group "Earthquakes and Volcanoes" of the European Seismological Commission*.

These workshops are always organized in (or close to) a volcanic area and deal with general topics related to volcano seismology, but also stimulate the participation of researchers working in related fields, in order to push the integration of volcano seismology with other techniques and achieve a multi-disciplinary approach. This approach has become more evident in recent years as we extended the range of topics to general geophysical monitoring expertise but also included more and more themes like petrology, geology and volcanic risk management.

Every year the workshops focus the attention on a particular topic, indicated by the title of the specific annual workshop. The list of conveners always includes besides the working group leaders also local representatives of the scientific organisation team. The participation of young researchers (Master level, PhD students and post-doctoral researchers) is particularly welcome. For this reason our workshops are the primary destinations for grants made available by the *Bruno Martinelli Fund*, named after the late former Secretary of the ESC Working Group, which supports the participation of young students and scientists in particular from Latin America and Caribbean countries. The grants are awarded by a committee completely independent from both the ESC Working Group and the IASPEI/IAVCE Inter-Association Commission and are financially administered by the AGU.

Our workshops in 2011 and 2012 comprised:

17-24 September 2011. Location: Salina, Aeolian Islands, Italy.

Conveners: J. Neuberg (Leeds, UK), R. Carniel (Udine, Italy), S.

Falsaperla (INGV Catania, Italy), H. Langer (INGV Catania, Italy).

The title of the workshop was "S.O.S.: Seismic and Other Signals", in order to stimulate once again the multidisciplinary approach and the use of other than seismic signals.

Number of participants: 30

14-21 September 2012. Location: El Hierro, Canary Islands, Spain.

Conveners: J. Neuberg (Leeds, UK), R. Carniel (Udine, Italy), A.

Garcia (CSIC-UCM, Spain), R. Ortiz (CSIC-UCM, Spain).

The workshop was a response to the recent submarine eruption off the coast of El Hierro island, hence the title
"Geophysical and geodetic techniques for monitoring and analysis of submarine eruptions"

Number of participants: 24