

12th Business Meeting of IASPEI/IAGA/IAVCEI Inter-Association Working Group on Electromagnetic Studies of Earthquakes and Volcanoes (EMSEV)

August 28, 2009, Painter's Hall, Sopron, Hungary

1. Participants: (about 20 persons)

Zlotnicki, Jacques (Chair)
Nagao, Toshiyasu (Secretary)
Johnston, Malcolm (Vice-Chair and IASPEI liaison)
Uyeda, Seiya (Past-Chairperson)
Sasai, Yoichi, (IAVCEI Liaison), Tokyo Metropolitan Government, Japan
Harinarayana, T., (IAGA WG I-2 liaison) National Geophysical Research Institute,
Hyderabad, India
Taylor, Patrick, NASA, Washington, DC, USA.
Rybin, Anatoly, Research station RAS, Bishkek, Kyrgyzstan
Mogi, Toru, Univ. Hokkaido, Hokkaido, Japan
Demetrescu, Crişan, Inst. Geodynamics, Romanian Acad., Romania
Stanica, Dimitru, Inst. Geodynamics, Romanian Acad., Romania
Stanica, Maria, Inst. Geodynamics, Romanian Acad., Romania
Varotsos, Panayiotis, University of Athens, Greece
Lazaridou, Mary, University of Athens, Greece
Rokityansky, I., Institute of geophysics of NAS of Ukraine
Veeraswamy, K., National Geophysical Research Institute, Hyderabad, India,
Students

2. Opening Remarks, 19:35, Aug. 28, 2009: J. Zlotnicki: Chair

Jacques Zlotnicki opened the meeting and welcomed all. He pointed out the need to abbreviate the meeting because of the late hour. He summarized the 9yr history of EMSEV and the continuing support and encouragement we get from IUGG, IASPEI, IAVCEI and IAGA. This should continue in IAGA with the new IAGA general-secretary, Ms.Miora Manda. EMSEV now has 250 corresponding members with 38 country representatives for 14 countries. The addition of several new members will be discussed later.

Jacques pointed out that the agenda for this meeting is on the EMSEV web site. This Web site also includes our meeting activities in 2008-2009, plans for 2010, plans for 2011, IUGS Grants Program 2008-2011, EMSEV Budget Summary, and new membership summary. Since most of the agenda is clear and can be read on the Web, this meeting will focus on the main and immediate issues.

These are:

- a) Web Site
- b) Interaction with other Associations - particularly IAGA MT Group

- c) 2010 meeting planning
 - i) EMSEV2010
 - ii) PHILVOLCS Meeting 2010 and Taal Field work
- d) Budget
- e) New Membership
- f) Open Discussion

3. Web Site

Toshiyasu Nagao, Secretary of EMSEV, summarized the features of the EMSEV web site. Of particular importance is the fact that the EMSEV web site is now linked to each of the association web sites. This allows easy dissemination, for example, of our 2009 Annual Report, minutes of our meetings and summaries of our plans. The URL of our web site is

<http://www.emsev-iugg.org/emsev/>

Toshiyasu emphasized the importance of communication by email and the ability to archive past email messages. At present, the EMSEV mailing list is limited to a message size of 50 Kb. Larger than 50 Kb size should be sent to T. Nagao: nagao@scc.u-tokai.ac.jp

The maximum storage capability is 40 GB. This allows exchange of papers, data, and presentations. The number of EMSEV mailing list members is now about 250 representing 14 countries.

4. Interactions with other Associations particularly IAGA

IASPEI - Malcolm Johnston (IASPEI liaison) emphasized the need for continued good relations within IASPEI and in particular with the secretary Peter Suhadolc who thanks us for our work and wishes us continued activity in 2010.

IAGA – Tiger Liu (IAGA Liaison) was not present but T. Harinarayana reported to IAGA EC about the various activities of the EMSEV group. He also informed IAGA EC that this group is a young research group with various inter-association activities between IAGA-IASPEI-IAVCEI focused mainly on the two most important Natural Hazards – research related to earthquake prediction and volcanic eruption. This group is active like IAGA working group 1.2 (EMI) and IAGA stressed the need to encourage their activities with more funding each year. The scientists of EMSEV group has taken up monitoring of Taal volcano in Philippines – one of the developing country - as a research project. The coordination between EMSEV and the MT Working Group is stressed, particularly regarding the sessions at the 2011 IUGG in Melbourne. The EMI and EMSEV Working groups have prepared several complementary but coordinated sessions proposed for IUGG. These issues are discussed at the IAGA EC meeting and IAGA agreed with this plan. The due date for abstracts for the joint IUGG meeting is September, 2010. Ms.Miora Manda is the new secretary General of IAGA as the term of Bengt Hultqv ends after serving the association for nearly 16 years.

IAVCEI – Yoichi Sasai, Malcolm Johnston and Jacques Zlotnicki pointed out that IAVCEI considers EMSEV group as one of the most active IAVCEI associations. IAVCEI strongly supports our activities, in particular when EMSEV organize local meetings and activities in

developing countries, as we do in Philippines. EMSEV is also active in organizing sessions in larger international meetings as at IAVCEI or CoV6.

5. 2010 Meeting Planning:

a) EMSEV 2010 at Chapman University, Santa Ana, Los Angeles, USA.

Ramesh Singh was unable to attend the IAGA meeting. Malcolm Johnston summarized the plans put together by Ramesh for this meeting on October 3-6, 2010. The meeting will include 2 days of invited and regular talks, a field trip to the infamous San Andreas fault and will culminate in a farewell banquet on a cruise boat on the nearby Pacific Ocean.

b) Taal Monitoring and Training Experiment

Jacques Zlotnicki briefly summarized the history of the effort that was first proposed in 2003 by S. Uyeda. In 2005, the program was started in conjunction with a France/Japan program. Magnetic and SP experiment were installed and cooperative efforts with PHIVOLCS Group in the Phillipines worked well. In 2009, the effort was funded at the level of \$9300 for 2 years by IUGG. This money does not provide any support for external researchers but goes to pay for local support, installation, data collection and small equipments. All costs for external researchers must be paid for by their respective funding organizations.

A joint meeting and installation effort (including a field trip to Taal volcano) is planned for February, 2010. The installed equipment will include seismic instruments, GPS, and electromagnetic monitoring instruments. Toshiyasu Nagao mentioned that the Japanese government has a program for joint development in the Phillipines. Nagao proposed that the costs for installing EM instruments be included in this program and this was accepted.

The training programs will include a) Methods for monitoring volcanoes, b) Hazards, c) Landslides, d) Flooding. PHILVOCS is now responsible for warning the public in the event of an eruption of Taal volcano

c) Cities on Volcanoes, COV6-Tenerife 2010, Tenerife, Canary Islands, Spain, May 31 – June 4, 2010,

Yoichi Sasai reported CoV6-Tenerife 2010 is planned as an international forum on volcanic risk management. Scientific and technical sessions are planned to bring 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.

COV6 organizing committee have accepted a session led by EMSEV.

d) Other meeting further in the future are described in the EMSEV Web site.

6. EMSEV Budget:

See the EMSEV web site for details. Jacques Zlotnicki summarized the budget as follows: Of the monies available, he proposed:

- a) \$1000 would be kept in reserve
- b) \$1000 would be used for Taal Volcano training/experiment
- c) \$1000 would be used for EMSEV2010 meeting in Los Angeles.

Patrick Taylor made the suggestion that EMSEV should try United Nations for funding.

7. New memberships

a) It was proposed that Anatoly Rybin be a new representative member for the Kyrgyzstan. Anatoly gave a short presentation of his work using a high current source (RGU-600-2) to monitor resistivity near Bistek.

b) At the last meeting in Sinaia, there was some discussion concerning the nomination of a new Italian representative. It was suggested that the Italian delegation should decide who could be the most appropriate representative in the frame of the balance between disciplines in the actual EMSEV structure. Since then, J. Zlotnicki received a proposal from Director of INGV-Roma:

“In case you need to elect new active EMSEV members and/or rotate off some national representatives, in order to keep a strong and powerful organization, I have a suggestion to nominate a new member that could also act as a representative for Italy.

I point to your attention the possibility of taking advantage of the great experience in the field of EMSEV of Ciro Del Negro at INGV, Sezione di Catania, Italy. Ciro is a widely well known expert in the studies of volcanoes from the integrated EM monitoring systems and data analyses to the knowledge of the physical mechanisms that bring to research results.”

The acceptance of both Ciro del Negro and Anatoly as members was carried with acclamation.

8. Free Discussion

Tosiyasu Nagao proposed that the EMSEV meeting in 2012 should be in Japan. 2012 is the tenth anniversary of the founding of EMSEV. The location for this meeting is not yet known.

The meeting was adjourned at 8:45 pm.