



The 1st field camp of Asian Consortium of Volcanology

Period: October 28 (Wed) – November 5, 2015 (Thr)

Venue: Mount Fuji Research Institute, Fujiyoshida, Japan, etc.

1. Outline

ACV will hold the 1st field camp to encourage learning and exchanges between Asian volcanologists. This training camp focuses on the interpretation of volcanic observation data in many fields, i.e., geophysics, geochemistry, geology, petrology, etc. Both lecturers and young scientists will share data from active volcanoes and make exercises and discussions to reveal volcanic activity. The contents will be of the level for Master and Doctor students. We expect participants from Asian (Indonesia, Philippines, Singapore, China, Taiwan, South Korea, Japan) and other countries.

2. Contents

The training course includes the following topics and each slot contains both lectures and exercises, plus field observations around Fuji volcano. There will be also half a day where the participants will share a dataset or problem they are working in poster format.

3. Participation

ACV will call for the participation on the Web to the public, but the nomination from ACV member organization is requested. At this moment, the number of students will be about 20, and ACV will support the travel and accommodation fee for selected participants. Financial support from ACV member organizations is appreciated.

4. Schedule (tentative)

Date	Morning	Afternoon
Oct. 28(Wed)	Arrival	
Oct. 29(Thr) @MFRI	1. Introduction & General Volcanology	
	1-1 Why volcanoes erupt, magma generation, plate tectonics, magma plumbing systems	1-2 Physical volcanology;
Oct. 30(Fri)	2. Field work; Fuji & Hakone area	
Oct. 31(Sat) @Yamanakaryo	3. Geophysical studies of volcanoes	
	3-1 Seismology, Acoustics, etc.	3-2 Geodesy
Nov. 1(Sun)	4. Field: training with monitoring instruments	5. Poster presentation & Discussion
Nov. 2(Mon) @FujiCalm	6. Geochemical studies of volcanoes: Gases, rocks, minerals	
	6-1 Gas geochemistry	6-2 Rock and mineral chemistry
Nov. 3(Tue) @FujiCalm	7. Living with volcanoes: Volcano Hazards	
	7-1 Volcanic hazard evaluation	7-2 Risk analysis
Nov. 4(Wed)	8. Closing	
	8-1 Final report	Free & Farewell party
Nov. 5(Thr)	Departure	

Venue:

Mount Fuji Research Institute (Oct.28):

<http://www.mfri.pref.yamanashi.jp/>

U. Tokyo Yamanakaryo(Oct.30-31):

http://www.u-tokyo.ac.jp/stu01/h08_02_02_j.html

FujiCalm (Nov.2-4):

<http://fujicalm.jp/>

4. Presenters (plan)

1. Introduction & General Volcanology:

1-1 Why volcanoes erupt:?

Fidel Costa (EOS)

1-2 Physical volcanology:

Caroline Bouvet de Maisonneuve (EOS)

Tomofumi Kozono (Tohoku Univ.)

2. Field seeing outcrops and deposits

Takahiro Miwa (NIED)

Masashi Nagai (NIED)

3. Geophysical studies of volcanoes:

3-1 Seismology:

Benoit Tassin (EOS) ,Yosuke Aoki (ERI)

Yuta Maeda (Nagoya U) ,Mie Ichihara (ERI)

3-2 Geodesy, deformation:

Yosuke Miyagi (NIED)

Yosuke Aoki (ERI, U. Tokyo)

4. Field: training with monitoring instruments

5. Poster presentation & Discussion

6. Geochemical studies of volcanoes: Gases, rocks, minerals

6-1 Gas geochemistry

Hanik Humaida (CVGHM)

Toshiya Mori (U. Tokyo)

6-2 Rock and mineral chemistry

Fidel Costa (EOS)

Jiandong Xu (CEA)

Takahiro Miwa (NIED)

7. Living with volcanoes: Volcano Hazards:

7-1 Volcanic hazard evaluation

Eisuke Fujita (NIED)

7-2 Modeling of hazards:

Sungsu Lee (VDPRC)