Commission on Collapse Calderas
IAVCEI

2nd International Course on Collapse Calderas

September 19-23, 2012, Bolsena Caldera, Italy

Second Circular - http://www.gvb-csic.es/CCC.htm

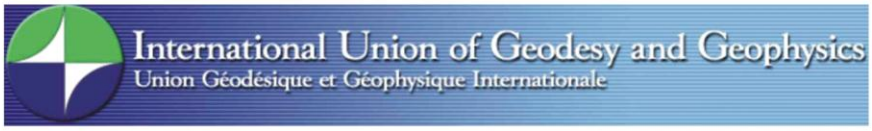
Organizers:

Valerio Acocella; Univ. Roma Tre, Roma, Italy
Adelina Geyer; CSIC, Barcelona, Spain
Danilo M. Palladino; Univ. La Sapienza, Roma, Italy

Lecturers:

Valerio Acocella; Univ. Roma Tre, Italy.
Maurizio Battaglia; Univ. La Sapienza, Roma, Italy/USGS, Menlo Park, USA.
Ray Cas; Monash University, Australia.
Giovanni Chiodini; INGV OV, Napoli, Italy.
Raffaello Cioni; Univ. Cagliari, Italy.
Adelina Geyer; CSIC, Barcelona, Spain.
Joan Martí; CSIC, Barcelona, Spain.
Danilo M. Palladino; Univ. La Sapienza, Roma, Italy.

Sponsored by:



IAVCEI: International Association of Volcanology and Chemistry of the Earth's Interior

IUGG: International Union of Geodesy and Geophysics

Università Roma Tre, Roma, Italy

Università La Sapienza, Roma Italy

AIV: Associazione Italiana di Vulcanologia

INGV: Istituto Nazionale Geofisica e Vulcanologia

DPC: Dipartimento Protezione Civile

Comune di Bolsena

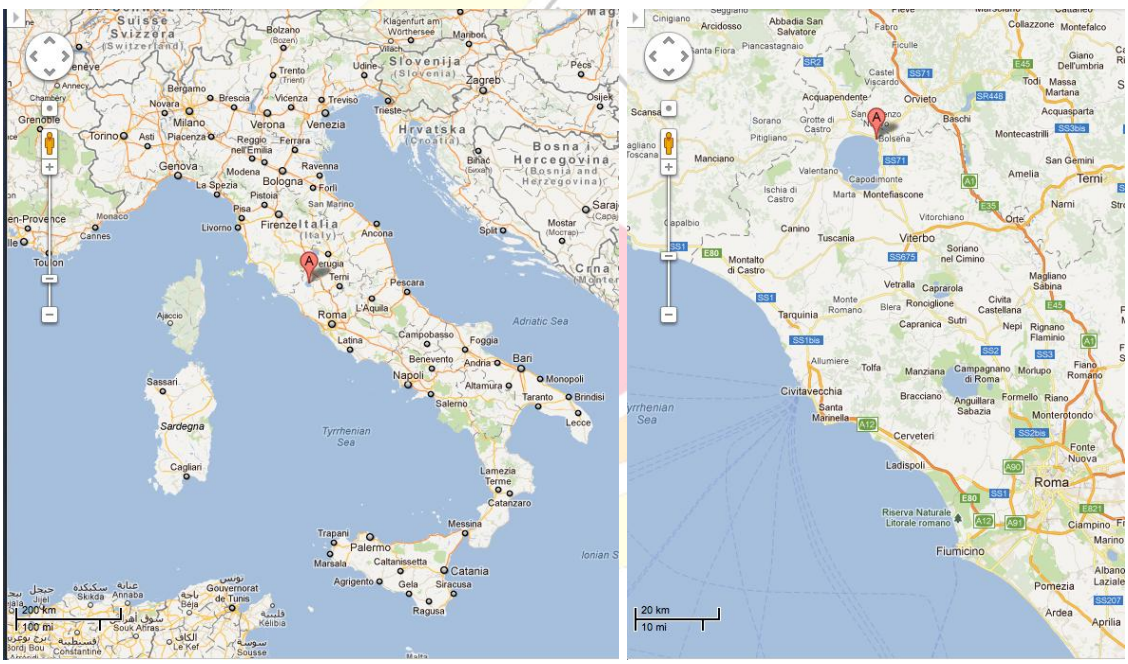
Regione Lazio

What is the Course on Collapse Calderas?

The IAVCEI Collapse Calderas Commission (CCC; http://www.gvb-csic.es/CCC.htm) was created in 2008 to have a wider and deeper understanding on calderas. It includes caldera geology, geodesy, geophysics, modelling, subcaldera magma chamber processes, volcanic hazard and risk management, economic benefits and environmental research. Workshops were held at Tenerife, Canarias, (2005), Mexican Volcanic Belt (2008) and Reunion Island (2010). In the Reunión workshop, CCC started the 1st International Course on Collapse Calderas, to give young researchers the possibility to deepen their understanding of calderas.

Venue

The 2nd International Course on Collapse Calderas is scheduled for September 19-23, 2012, anticipating the 4th International Workshop on Collapse Calderas (September 23-29, 2012). The Course is open to undergraduate students, Ph.D. candidates and post-docs. It is held at Hotel Columbus, in Bolsena village, on the edge of the Bolsena Caldera, that is the most distinctive feature of the Vulsini Calderas District, 100 km north of Roma.



Course outline

The Course consists of 2 days of theoretical lessons (September 20 and 21) and 1 day of field trip (September 22) at Bolsena caldera (see schedule below).

The main objective of the Course is to offer the students introductory modules concerning formation and development of collapse calderas and principal products associated to caldera-forming eruptions. Following these modules, we will focus on the topics that can best be applied in the coming workshop, such as numeric and analogue modeling, unrest episodes, monitoring, and the case study of Bolsena. The course ends with a day on the field to visit examples of deposits and structures related to caldera-forming eruptions. The course introduces to the state-of-art of research and monitoring techniques on collapse calderas and will be held by internationally-known scientists from several research institutes.

Costs

The fee for participants to the Course is 300 euros. It includes transportation from Rome to Bolsena on the 19th and from Bolsena to Roma on the 23rd, all meals and accommodation from the evening of the 19th to the morning of the 23rd (4 nights), 1 day of excursion, the registration, the course volume and the field-trip guidebook.
Limited financial support is available for young researchers motivating their request (to: acocella@uniroma3.it).

Deadlines

The Course is limited to 30 participants, with a first-come, first-served basis. We recommend to register as soon as possible, and not to wait for the deadline, to assure your participation.
- Deadline for financial support request for young researchers: **March 20, 2012**.
- Registration deadline: **April 30, 2012.**
- Registration between May 1 and July 31 will cost 350 euros.
- **Registration after July 31 will not be possible.** No onsite registration is foreseen.

Meeting point for the Course is scheduled for the early afternoon of September 19 on the west exit of the main train (Termini) station in Rome, where a bus bound to Bolsena will depart at 14:00.

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Registration

We strongly encourage to register by means of credit card payment at the following site: http://asi.uniroma3.it/moduli/npr/
If necessary, payment may be also made through bank transfer (IMPORTANT: clearly specifying the reason for the payment: “Bolsena Caldera”) at:
Title: UNIVERSITA’ DEGLI STUDI ROMA TRE
Bank: UNICREDIT – TESORERIA UNIVERSITARIA
IBAN: IT05T0200805165000400014281
SWIFT: UNCRITM1B58
Whatever the chosen type of registration, please **send prompt notice** of payment to both acocella@uniroma3.it and r.praturlon@uniroma3.it
Failure in sending notice of payment results in unconfirmed registration.

20/09/2012			21/09/2012			22/09/2012
Thursday			Friday			Saturday
09:30	10:15	Registration	**Numerical models on CC**			FIELD TRIP
10:15	11:00	General concepts on CC (e.g. Classifications of CC)	09:30	10:15	Theory and concepts + Examples (Adelina Geyer)	
			10:15	11:00		
Coffee Break			Coffee Break			
Dynamics of Caldera-forming eruptions			**Geodetic and geophysical imaging of restless calderas**			
11:30	12:15	Dynamics of Caldera-forming eruptions (Joan Martì)	11:30	12:15	Theory and concepts + Examples (Maurizio Battaglia)	
12:15	13:00		12:15	13:00		
Lunch			Lunch			
Field studies on CC			**Monitoring collapse calderas**			
14:00	14:45	Deposits related to caldera-forming eruptions (Ray Cas)	14:00	14:45	Theory and concepts (Giovanni Chiodini)	
14:45	15:30		14:45	15:30		
Coffee Break			Coffee Break			
Analogue models on CC			**Case-study Bolsena caldera**			
15:45	16:30	Theory and concepts + Examples (Valerio Acocella)	15:45	16:30	Geology of Vulsini calderas (Danilo Palladino & Raffaello Cioni)	
16:30	17:15		16:30	17:15		

The Caldera Course Schedule