

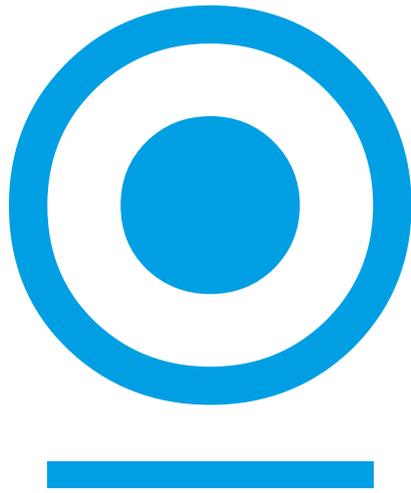
7th international
MAAR CONFERENCE



MAY 21 to 25, 2018

OLOT - CATALONIA - SPAIN

maar2018.com



Welcome to *Olot*

On behalf to the Local Organizing Committee, we would like to take this opportunity to express our most warm welcome to all of you to the 7th International Maar Conference that will take place in Olot (Catalonia - Spain) on May 21 - 25, 2018. We hope that you will join us for what promises to be a rewarding experience.

Information about Olot

The city of Olot, known as the city of volcanoes, is the main population centre of the La Garrotxa Natural Volcanic Park, which also includes several medieval villages. In Olot and its surroundings, volcanoes are present in many aspects of the society, as its cultural heritage, local history, architecture, or even in the excellent traditional and modern cuisine. Olot is a relatively small city (34.000 inhabitants) with a great diversity of accommodation and transport facilities, besides, visitors can find many enjoyable places to visit at a walking distance.

More info: www.turismeolot.com/en/discover-olot/10-essence-of-olot

Venue

All scientific acts (scientific sessions and poster presentations) related to the 7IMC will be celebrated at the Sala Torín of the city of Olot, located in the old town. Other events such as the gala dinner will take place at Restaurant Les Cols (see map attached below).

Map of *Olot city*

●  Les Cols
Restaurant
 26 min.  2,1 km.



 Bus Spot

 Sala Carbonera

 Hospici

Bus Station 



In case of emergency call

112

maar2018.com

Registration Payment

Registration payment can be made only online. Method of payment: Credit Card or Bank Transfer. By Bank Transfer please send a copy of the transfer by email (maarcconference@olot.cat) clearly indicating the name of the participant in the subject field. Once we verify the bank transfer, we will confirm your registration by e-mail.

Please note: if the Technical Secretary does not receive any proof of your payment within 10 days after registration, your registration will automatically be cancelled.

Registration Fees	Normal rate	On site rate
	February 11 –May 13	May 14 - May 21
IAVCEI Donor member		
Regular participant	430 €	480 €
Student participant	200 €	250 €
IAVCEI Non-donor member		
Regular participant	450 €	500 €
Student participant	200 €	250 €
Accompanying person	125 €	150 €
One day registration	125 €	140 €

Registration fee includes:

1. Attendance to the scientific sessions
2. Conference registration, abstract volume
3. Ice breaker (May 20)
4. Mid-conference field trip (May 23) (lunch, transportation and guidebook)
5. Coffee breaks
6. Lunches
7. Admission to the Cultural Activity with dinner (May 22)

Accompanying Person's fee includes:

1. Ice breaker (on May 20)
2. Mid-conference field trip (May 23) (lunch and transportation)
3. Coffee breaks
4. Special program with discounted fares.

More info: <http://trescalia.com/maarc-conference/field-trips-accompanying-person/>
5. Admission to the Cultural Activity with dinner (May 22)

Gala dinner (May 24): 50€

Please note that dinner on Monday and Wednesday is not included on the congress fee. There are plenty of restaurants near the venue. You will find more information at the information desk.

General Information

Monday 21st	Tuesday 22nd	Wednesday 23rd	Tuesday 24th	Friday 25th
<p>9 am Opening Ceremony</p> <p>9.30 am Open talk</p> <p>10 am Coffee Break</p> <p>10:30 am Invited talk</p> <p>11 am Keynote and Oral Sessions</p> <p>1 pm Lunch</p> <p>3 pm Keynote and Oral Sessions</p> <p>4.15 - 6.30 pm Posters</p>	<p>9 am Keynote and Oral Sessions</p> <p>11 am Coffee Break</p> <p>11.30 am Invited talk</p> <p>12 pm Keynote and Oral Sessions</p> <p>1 pm Lunch</p> <p>3 pm Oral Sessions</p> <p>4 - 6.30 pm Posters</p> <p>7 pm Cultural dinner</p>	<p>9 am - 7 pm Fiel Trip</p>	<p>9 am Keynote and Oral Sessions</p> <p>9.45 am Invited talk</p> <p>10.15 am Keynote and Oral Sessions</p> <p>11 am Coffee Break</p> <p>11:30 am Oral Sessions</p> <p>1 pm Lunch</p> <p>3 pm Keynote and Oral Sessions</p> <p>4 - 6.30 pm Posters</p> <p>8 pm Gala dinner - James Luhr Award</p>	<p>9 am Invited talk</p> <p>9.30 am Keynote and Oral Sessions</p> <p>10:15 am Coffee Break</p> <p>10.45 am Round Table</p> <p>12 pm Conclusions</p> <p>1 pm Lunch</p>

Conference Site Sala El Torín - C/ del Roser, 13, Olot

Registration desk: opening schedule

Sunday, 20th	4 pm – 7 pm
Monday, 21st	8 am – 7 pm
Tuesday, 22nd / Thursday, 24th	8.30 am – 7 pm
Friday, 25th	8.30 am – 6 pm

Contact during the Conference

Jordi Calabuig Serra (+34) 619 563 951 (whatsapp)

Ice breaker

Sunday, May 20th, 5 pm

Location: Conference site

Enjoy some refreshments and beverages as you socialize with other participants, meet old friends and make new acquaintances.

Opening Ceremony

Monday, May 21st, 9 am

Intra-conference field trip

Wednesday, May 23rd, 9 am

Departure location: Bus Spot

The field trip will be mostly carried out on foot, except the transfer to the first visit which will be by bus.

The hole walk will be around 8.5 km with a cumulative difference of +69 m and -178 m.

Walking shoes, sun screen, hat and rain clothes are highly recommended.

Picnic lunch will be provided by the organization.

All the attendees to the Conference will visit the Natural Park of Garrotxa Volcanic Zone. The volcanic landscape of Garrotxa is one of the most singular scenic areas of Catalonia, a mountain landscape articulated by the rivers Fluvià and Ter that possess a series of outstanding morphological features generated by the area's Quaternary monogenetic volcanism.

The first stop of the field trip is a wonderful view of the Castellfollit de la Roca basalt cliff, which consists of two superimposed lava flows with well-developed columnar jointing. Of note too is the aesthetic and visual effect of the urban architecture of the village of Castellfollit de la Roca sits atop the volcanic outcrop. Then, participants will visit the youngest part of Garrotxa volcanic field (currently a natural protected area) visiting the Holocene volcanoes of La Pomareda spatter cone, Croscat cinder cone, Santa Margarida maar crater and Roca Negra cinder cone, which lie along a 3-km-long eruption fissure. These volcanic edifices exhibit a diversity of eruptive styles with strong evidence of vent migration during the same eruption and of the existence of different strombolian and phreatomagmatic phases. The whole visit includes a 5 km easy walk through these volcanic sites. Several outcrops are present in the area such as the quarry on the Croscat's northern flank, so are exceptional sites to discuss the evolution of this eruptive fissure and the role of the basement to determine different eruptive dynamics. The field trip will finish in the medieval village of Santa Pau.

Field-trip leaders: Joan Martí, Xavier Bolós, Llorenç Planagumà

Cultural dinner

Tuesday, May 22nd, 7 pm

Location: Hospici (C/ de l'Hospici, 8, Olot)

Gala dinner

Thursday, May 24th, 8 pm

Location: Restaurant Les Cols

Free shuttle departing from the bus spot will be provided for the attendees.

Security

The Conference Organization cannot accept liability for either personal accident or loss of or damage to private property which may occur during or arise from the Conference. Participants are therefore advised to arrange appropriate insurance coverage.

Accommodation

The Conference Organization needs to know where all attendees are accommodated as there will be free shuttles going from the hotels to the Congress Site every day.

This service will be available in the following hotels:

Hotel La Perla

Hotel Riu Fluvià

Mas Garganta (rural house)

Hotel Vall de Bas

Transfer to the airport

Free shuttles are provided for the attendees from Barcelona airport to Olot, and the way back. Be sure to make your reservation as soon as you can at maarcconference@olot.cat

Schedules are:

May 20th, from Barcelona airport to Olot, two shuttles (2 pm and 8 pm)

May 25th, from Olot to Barcelona airport, one shuttle at 6 pm

May 26th, from Olot to Barcelona airport, one shuttle at 8 am

Weather

The climate of La Garrotxa is Mediterranean, tempered with rainfall possibilities every day during the spring.

Instructions for Oral and Posters presentations

For Oral presentation

Regular oral sessions

15 minutes, including 3 minutes for discussion.
The suggested file format is .ppt by Power Point

Keynote talk

15 minutes, including 3 minutes for discussion.
The suggested file format is .ppt by Power Point

Invited talk

30 minutes, including 5 minutes for discussion.

In order to make the coordination of the sessions easier, we suggest meeting the chairperson at least 15 minutes before the beginning of your session. This will help us to double-check the audio-visual equipment necessary for your talk and also the chairperson will obtain any missing information about the authors and the organization which they represent. The chairperson will introduce each speaker and his/her presentation, will manage the timing of the presentation and will promote the discussion.

Lecture hall is equipped with a PC and a beamer for Powerpoint Presentations, supported with a technician during all sessions.

For Posters presentation

Poster size is A0 vertical, equal to 120 cm high X 90 cm wide. Posters will be displayed throughout the conference.

To fix the posters on the displays the organization will provide the corresponding material, which you will find at the exhibition area. Please, make sure to use these materials only!

During the official poster sessions, at least one of the authors must be present near his/her poster for further discussion.

Please, do not forget to remove your poster after the conference. Posters not removed properly will be disposed off.

Local Organizing Committee

Chair

Xavier BOLÓS

Universidad Nacional Autónoma de México.

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Consejo Superior de Investigaciones Científicas.
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Parc Natural de la Zona Volcànica de la Garrotxa.
Logistical advisor

Ariadna VILLEGAS

Ajuntament d'Olot
Logistical advisor

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Members

IN ALPHABETICAL ORDER

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Observatoire de Physique du Globe de
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Volcans (France)

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Laboratoire Magmas et Volcans (France)

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Sessions

Session 1. Monogenetic volcanoes: eruption dynamics, growth, structure and physical modeling

Conveners:

Joan Martí (joan.marti@ictja.csic.es)

Pierre-Simon Ross (Pierre-Simon.Ross@ete.inrs.ca)

Volker Lorenz (vlorenz@geologie.uni-wuerzburg.de)

Xavier Bolós (xavier.bolos@gmail.com)

This session invites scientific contributions about growth and distribution of monogenetic volcanoes, their internal structure, the role of substrate geology on eruption diversity and specially maar-diatremes development.

Small-scale basaltic volcanic systems are the most widespread forms of magmatism on the planet and are expressed at the Earth's surface as fields of small volcanoes which are the landforms resulting from explosive and effusive processes triggered by the rise of small batches of magma. This session is concerned with the growth, geomorphology, eruption dynamics, geodynamic distribution and degradation of this type of volcanism. Monogenetic volcanoes distribution inside a volcanic field depends in each case on their regional and local tectonic controls. The great variety of eruptive styles, edifice morphologies, and deposits shown by monogenetic volcanoes are the result of a complex combination of internal (magma composition, gas content, magma rheology, magma volume, etc.) and external (regional and local stress fields, stratigraphic and rheological contrasts of substrate rock, hydrogeology, etc.) parameters, during the magma transport from the source region to the surface. This is meant to be a multi-disciplinary session and we invite contributions that include different type of methods, such as; field studies, geophysical methods, numerical and analogue modelling of volcanic processes and GIS analysis.

Session 2. Geochemistry and petrology of monogenetic volcanism related magmas

Conveners:

Ian Smith (ie.smith@auckland.ac.nz)

Giovanni Sosa-Ceballos (giovanni@geofisica.unam.mx)

Claus Siebe (csiebe@geofisica.unam.mx)

Monogenetic volcanoes have been traditionally linked to direct magma transfer from the mantle to the surface. However, recent detailed petrological and geochemical studies of some monogenetic eruptions suggest that magmas coming from depth in dikes are not able to rise straight to the surface, but stall at some intermediate depth developing an environment in which processes such as magma mixing, crystal fractionation and/or crystal assimilation can occur. Understanding the processes and magma plumbing systems that lead to monogenetic eruptions is fundamental for better interpreting the monitoring data of the unrest episodes in monogenetic volcanic fields and thus improve the eruption forecasting in these regions. We invite contributions that include field observations, geochemical, isotopic and petrological data, analogue models of dike propagation and experimental petrology of magma ascents.

Session 3. Lakes in maar volcanoes: the sedimentary record of paleontology, climate change and hydrochemistry

Conveners:

Oriol Oms (*joseporiol.oms@uab.cat*)

Dmitri Rowet (*dmitrirowet@gmail.com*)

The geometry of Maar-diatreme craters usually leads to develop hydrologically closed lakes that contain anoxic bottom conditions. Such settings are ideal for the preservation of complete and detailed sedimentary records of past environmental changes. These records include climate evolution, ecological reconstructions, hydrochemistry and human impact in natural systems. Exceptionally preserved fossils in such meromictic lakes are also an important source to study the history of life and its evolution.

This session wants to create synergies between volcanologists and other researchers dealing with limnology, hydrochemistry, mineralogy, paleontology, and climate proxies, among many others.

Session 4. Volcanic hazard and risk assessment in monogenetic volcanic fields

Conveners:

Shane Cronin (*s.cronin@auckland.ac.nz*)

Stéphanie Barde-Cabusson (*s.barde.cabusson@gmail.com*)

Dario Pedrazzi (*pedrario@gmail.com*)

José Luis Macias (*macias@geofisica.unam.mx*)

Volcanic hazards threaten the economy, transport and natural environments within and surrounding volcanic fields. Alongside scoria cones and lava flows, many volcanic fields host maar-diatreme volcanoes and tuff-rings, which represent the second most common volcano type on land. These pose a specific suite of hazards, including violent lateral pyroclastic surges and efficient ash production, which often poses regional hazard. The locations of their future formation are also highly uncertain in most fields. Growth of population, increasingly complex infrastructure and changing technologies of our society, make assessment and mitigation of maar-related hazards important issues. We invite all contributions to this session in areas of evaluation of monogenetic volcanic hazard, including spatio-temporal forecasting methods, dynamic hazard and impact models and the characteristic hazards associated with maar-diatreme volcanism.

Session 5. Natural resources and geotourism development in volcanic areas

Conveners:

Károly Németh (*K.Nemeth@massey.ac.nz*)

Michael Ort (*Michael.Ort@nau.edu*)

Adelina Geyer (*ageyertraver@gmail.com*)

Monogenetic volcanism provides the materials and landforms that scientists use to explore the volcanology and geochemistry of the Earth's interior. In addition to these scientific and, at times, theoretical studies, monogenetic volcanism also provides numerous economic benefits. Contributions are welcomed that focus on the diverse utilization of monogenetic volcanic fields, including use of mineral, rocks and water resources, landscape preservation (and degradation), geotourism and geoparks. We would like to emphasize with this last point; volcanic geoparks and its complementary value, the environmental education and the sustainable entertainment related to volcanic landscapes to make a contribution to the sustainable development of the region. This session will highlight economic and social aspects of monogenetic volcanism and thus help bridge the gap between science and society.

Partners & Sponsors



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