

- 2nd Circular -



26th ECGS Workshop

European Center for Geodynamics and Seismology



Co-organized with the National Museum of Natural History of Luxembourg and
The Royal Museum for Central Africa, Belgium

Active Volcanism & Continental Rifting, with special focus on the Virunga (North Kivu, DRC)

AVCOR - 07



Luxembourg, November 19-21, 2007
Hotel Parc Belle-Vue

SCIENTIFIC COMMITTEE

E. Calais	Purdue Univ., USA	N. d'Oreye	National Museum of Natural History, Luxembourg
C. Ebinger	Univ. of Rochester, USA	N. Pagliuca	Istituto Nazionale di Geofisica e Vulcanologia, Italy
G. Ernst	Univ. of Ghent, Belgium	D. Tedesco	Univ. of Napoli 2, Italy
F. Kervyn	Royal Museum for Central Africa, Belgium	T. Wright	Univ. of Leeds, UK
F. Lukaya	Goma Volcanological Observatory, RD Congo	G. Yirgu	Univ. Addis Ababa, Ethiopia
E. Mbede	Univ. Dar Es Salam, Tanzania		

For more information consult www.ecgs.lu or send an e-mail to AVCOR07@ecgs.lu



Information will be updated regularly. Please consult the web page to find the information that could be missing at the time of your download.

SCOPE OF WORKSHOP

The 26th edition of the multi-disciplinary ECGS workshops is dedicated this year to Continental Rifting and Volcanology.

The workshop is co-organized by the *European Center for Geodynamics and Seismology* (ECGS), the *Royal Museum for Central Africa* (RMCA) and the *National Museum of Natural History* (NMHN).

The workshop intends to bring together scientists from different disciplines (**geology, volcanology, geodesy, geodynamics, seismology...**) to share their knowledge and discuss the complex relationships between continental rifting and magmatism. It will also dedicate specific attention to the use of **modern modeling approaches** and state-of-the-art observational techniques such as **remote sensing, radar interferometry, GPS, geochemistry etc.**

Nowadays, seismic tomography, geochemical studies of erupted magmas and degassing areas, or numerical methods for modeling ground deformation increasingly contribute to portraying rift and magmatism in 3D, from surface morphology down to processes at depth, not to mention the composition of volcanic plume and its chemistry. Volcanoes are no longer studied as isolated objects but considered from root to plume as part of a global system including with environment, population health and socio-economical impacts.

Special attention will be given to volcanic activity in the Western branch of the East African Rift (EAR) dominated by the Nyamulagira and Nyiragongo volcanoes (North Kivu, DRC). Contributions related to continental rifting or rift magmatism generally are most welcome and encouraged.

CONVENORS

N. d'Oreye National Museum of Natural History, Luxembourg
F. Kervyn Royal Museum for Central Africa, Belgium

SCIENTIFIC COMMITTEE / INVITED SPEAKERS

E. Calais Purdue Univ., USA
C. Ebinger Univ. of Rochester, USA
G. Ernst Univ. of Ghent, Belgium
F. Lukaya Goma Volcanological Observatory, RD Congo
E. Mbede Univ. Dar Es Salam, Tanzania
N. Pagliuca Istituto Nazionale di Geofisica e Vulcanologia, Italy
D. Tedesco Univ. of Napoli 2, Italy
T. Wright Univ of Leeds, UK
G. Yirgu Univ. Addis Ababa, Ethiopia

LOCAL ORGANIZING COMMITTEE

E. Buttini NMNH /ECGS, Luxembourg
C. Galassi ECGS, Luxembourg
F. Kervyn Royal Museum for Central Africa, Belgium
N. d'Oreye National Museum of Nat. History, Luxembourg

WITH THE SUPPORT OF

The Luxembourg Ministry of Culture, Higher Education and Research
The Council of Europe (EUR-OPA)
The International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI)
The United Nations, Volcanic Risk Management Unit (PNUD/ UNOPS)
The National Museum of Natural History, Luxembourg (NMNH)
The Royal Museum for Central Africa, Belgium (RMCA)
The European Space Agency (ESA)
UNESCO/IGOS-Geohazards

DEAD LINES

July 31, 2007	<u>Abstract submission deadline and Early Bird registration deadline</u>
August 31, 2007	Authors notification
October 15, 2007	Upload deadline for Poster Printing Service
November 19, 2007	Sessions start at noon
November 21, 2007	Sessions end in late afternoon
February 2008	Manuscript submission
May 2008	Proceedings publications in ' <i>Cahiers bleus de l'ECGS</i> '

VENUE AND ACCOMODATION

The conference will be held from November 19th to 21st at the Hotel Parc Belle-Vue, in the center of Luxembourg City, capital of the Grand Duchy of Luxembourg. All participants will stay at the Hotel Parc Belle-Vue or in similar other hotel at a maximum 5' walking distance.

A registration fee is requested. A limited number of grants might be available. Application should be sent before July 31 to AVCOR07@ecgs.lu along with the registration form and abstract submission.

Number of participants will be limited. REGISTER NOW !

Hotel Parc Belle-Vue

5, Avenue Marie-Thérèse
L-2132 Luxembourg
Tel +352 45 61 41 1
Fax +352 45 61 41 222

eMail : reception.bellevue@goeres-group.com

Home page : <http://www.parcbellevue.lu/>



HOW TO REACH THE HOTEL

By car (see also www.mappy.com or www.viamichelin.fr)

- Arriving from Belgium:

Motorway A6/E25
Exit 5 "LUXEMBOURG-CENTRE/BERTRANGE"
Turn left, head for "LUXEMBOURG-MERL" – 2.6 km
After the Hotel Parc Belair, turn right,
Head for "GARE" (600 m)
Next crossroads: "CENTRE / GARE"
100 m further on your right PARC BELLE-VUE

- Arriving from France:

Motorway A6/E25
Exit N°5 "LUXEMBOURG-MERL / BERTRANGE"
Turn left, head for "LUXEMBOURG-MERL" – 2.6 km
After the Hotel Parc Belair, turn right,
Head for "GARE" (600 m)
Next crossroads: "CENTRE / GARE"
100 m further on your right PARC BELLE-VUE

- Arriving from Germany:

Motorway A1 - A6/E25
Exit N°5 "LUXEMBOURG-MERL / BERTRANGE"
Turn left, head for "LUXEMBOURG-MERL" – 2.6 km
After the Hotel Parc Belair, turn right,
Head for "GARE" (600 m)
Next crossroads: "CENTRE / GARE"
100 m further on your right PARC BELLE-VUE

By train

Luxembourg Station is only 2 km from the hotel. You can reach the hotel by bus: outside the Central Train Station, take the bus number 8 in the direction of Hollerich leaving from platform 2 every 20 minutes during the week and every 40 minutes on Sunday. Step down at "Reinsheim", Avenue Marie-Thérèse, in front of the Hotel Parc Belle-Vue.

See condensed bus network map on

http://www.vdl.lu/vdl_multimedia/Services+communaux/Autobus/03_plan_reseau/Plan_reseau-view_image-1-called_by-vdl-original_site--original_page-3704676-p-5451.pdf,

Or consult the following links:

<http://www.vdl.lu/Services+communaux/Autobus/Plan+de+r%C3%A9seau.html>

<http://www.cfl.lu/>

By plane

Luxembourg Airport is located 10 km from the hotel. You can reach the hotel by bus taking the bus number 16 in the direction of Central Train Station. Step down at Central Train Station. Take the bus number 8 in the direction of Hollerich leaving from platform 2 every 20 minutes during the week and every 40 minutes on Sunday. Step down at "Reinsheim", Avenue Marie-Thérèse, in front of the Hotel Parc Belle-Vue.

You can also hire a car or take a taxi.

See bus network map on

http://www.vdl.lu/vdl_multimedia/Services+communaux/Autobus/03_plan_reseau/Plan_reseau-view_image-1-called_by-vdl-original_site--original_page-3704676-p-5451.pdf,

Or consult the following links:

<http://www.vdl.lu/Services+communaux/Autobus/Plan+de+r%C3%A9seau.html>

<http://www.aeroporto.public.lu/>

LOCATION: THE CITY OF LUXEMBOURG

Luxembourg was a fortress city with reputation to be unseizable, strategically located between the French Kingdom and the German Empire. It was one of the major strongholds in Europe from the 16th Century through its dismantlement in 1867.

Today, Luxembourg is well known as an international Financial Center and for hosting key institutions such as the European Parliament and the European Court of Justice. It is a dynamic and modern city, European Capital of Culture (2007) for the second time, and World Heritage List of UNESCO. Enjoy its Old Quarters, Fortifications, museums, exhibitions and more.

See for instance the Luxembourg City Tourist Office's web site (<http://www.lcto.lu/>) or National Tourist Office (<http://www.ont.lu/>)

TENTATIVE PROGRAM

Sessions will be composed of one invited keynote lecture (30min + 10min discussion) followed by talks of 15min + 5min discussion. Authors will be given 3min (one slide) for the presentation of their posters. Posters will be displayed in the lobby and available through the meeting. Conventional material will be at your disposal (projectors etc..).

For smooth transitions, speakers are requested to upload their presentation on the organization computer at least during the break before the session.

The following topics are envisaged.

- geodesy, ground deformation measurements and modeling
- volcanic plume, rock and water geochemistry;
- geology, geomorphology, geophysical and structural aspects
- seismology, volcano monitoring (remote sensing, ground based techniques...)
- stratified lakes stability and degassing
- hazard and risk assessment: lava and volcanic flows, environmental (crops, drinking water,...) and health related impacts...

For detailed and updated program please refer to the meeting's web page (<http://www.ecgs.lu/index.php?option=news&task=viewarticle&sid=17>).

POSTERS

Max dimensions: will be provided soon.

Mounting material will be supplied at the conference room.

Printing service: Accepted file format: eps, pdf, tiff or jpeg. Contact the Local Organizing Committee to receive instruction, login and password to upload your file (AVCOR07@ecgs.lu). Charges must be paid and file should be uploaded before October 15th.

REGISTRATION FEE

The fee includes:

- lunches during the workshop (Tuesday and Wednesday),
- the abstract volume,
- the participation to the city tour and official dinner on Tuesday night
- and a free copy of the proceedings to be published in the "Cahiers Bleus de l'ECGS".

When it includes lodging, the fee includes the two nights and breakfasts during the workshop.

Please note that Monday's dinner and additional nights or extra's (phone, mini bar...) are at the charge of participants. Some addresses will be suggested for the dinner on Monday night.

Before July 31st 2007:

Fee with lodging in single room:	450 Euro
Fee with lodging in double room:	350 Euro
Fee with lodging in Youth Hostel (dormitory)	190 Euro
Fee without lodging:	150 Euro
Field trip to the Eifel volcanic field	350 Euro

After July 31st 2007:

Fee with lodging in single room:	500 Euro
Fee with lodging in double room:	400 Euro
Fee with lodging in Youth Hostel	240 Euro
Fee without lodging:	200 Euro
Field trip to the Eifel volcanic field	400 Euro

CANCELLATION / REFUND POLICY

Due to booking's requirements, we are obliged to apply the following refund rates:

Before July 31st cancellation is accepted at no charge.

Refund rate for later cancellations can be summarized as follow:

Cancellation before October 13 th , 2007	→ 70% refund
Cancellation from October 13 th and before November 3 rd 2007	→ 50% refund
Cancellation from November 3 rd and before November 17 th 2007	→ 30% refund
Cancellation from November 17 th 2007 until the end of the workshop	→ 0% refund

METHOD OF PAYMENT

You may pay by Credit Card (Visa and Mastercard) or by bank transfer. See registration form below.

ABSTRACTS

Contribution's abstracts (talks and posters) are required for program selection. Abstract volume will be distributed at workshop registration.

Guidelines:

Due: July 31, 2007 by e-mail to Ms Corine GALASSI
(AVCOR07@ecgs.lu).

Length: Maximum 2 pages including figures.

Margins: A4, 2.54 cm top/bottom margins
3.17 cm right/left margins

Font: Title: Arial 12 Bold, centered
Authors and affiliation: Arial 9
(For oral presentation: underline the speaker)
Text: Times New Roman 12

Color: will be printed in black and white

Format: MSWord, rtf or pdf.

PROCEEDINGS

The proceedings will be published within 12 months after the meeting in the "Cahiers du Centre Européen de Géodynamique et de Séismologie". For previous volumes, see <http://www.ecgs.lu/index.php?option=displaypage&Itemid=48&op=page&SubMenu=>.

Abstracts submitted should not exceed 5 pages. Color figures will be printed at no charge. One volume will be sent to every participant at no charge.

Tentative deadline for submission: February 2008 (will be confirmed during the workshop). Format and guidelines will be distributed to the authors during the workshop.

SPECIAL ISSUE

Contacts are taken for publication of the conference and related full papers (up to typically 20 journal pages) in a special issue of Journal of Volcanology and Geothermal Research. More details will be provided later.

PRE-MEETING FIELD TRIP

A two-day field trip led by Dr. G. Ernst (Univ. Ghent, B) is planned to the Eifel Volcanic Field (Germany) if the number of participants is sufficient.

Participants will leave Luxembourg by coach on Friday November 16 afternoon and return to Luxembourg on Sunday November 18 by late evening. Travel conditions will include lodging in Youth Hostels and light (sandwiches) lunches. A 350 Euro fee is requested that include lodging and meals from Friday afternoon to Monday morning, transportation from Luxembourg to Eifel (Germany) and field trip road book.

For non-European resident, please check that your visa allows traveling to Germany as well. Consult the appropriate embassies in your country or see for instance <http://www.eurovisa.info/> (Schengen visa).

See tentative program on the registration form.

PRACTICAL INFORMATIONS

Visa: A visa is required for all non-EU member state residents. Please contact the Luxemburg's embassy or consulate in your country for more detailed information. For those who wish to attend the field trip, please check that your visa is valid for traveling to Germany as well (Schengen visa).

If you need an invitation letter from the Local Organizing Committee to obtain your visa, please specify it in the registration form.

Weather: The Grand Duchy of Luxembourg enjoys a temperate climate without extremes. The sea (some 200 miles distant) has a moderating influence on the weather. The air is clean, beneficial and health giving. Average daily temperature is about 8°C in November and average temperature at night is around 2 °C although freezing is not unusual. Rain is frequent with an average of 60mm in 12 days in November.

For more weather forecast, consult for instance

<http://www.bbc.co.uk/weather/5day.shtml?world=0038>

Currency: Euro (€) (Bank are usually open between 9 a.m. and 5 p.m.).

Electricity: 220V, 50Hz. (European plug with two circular metal pins with two earth connectors on the sides).

See <http://www.travel-images.com/electric-plugs.html>.

For more information, please contact AVCOR07@ecgs.lu

AVCOR07 Registration form:

Participant:

Title		Male: <input type="checkbox"/>	Female: <input type="checkbox"/>
Last name			
First name			
Affiliation			
Address			
Tel		Fax	
Email			

Contribution:

I wish to present the following contribution:

Talk: <input type="checkbox"/>	Poster: <input type="checkbox"/>
--------------------------------	----------------------------------

Authors:

Title:

.....

Dates:

Date of arrival:

Date of departure:

I need ECGS to secure a room from to before the meeting.

I need ECGS to secure a room from to after the meeting.

(Please note that extra nights have to be paid by participant directly at hotel desk unless specified by written agreement by the local Organizing committee).

Registration:

I am interested to participate to the Field Trip (see **Field Trip special form**):

	yes	no
I am interested to participate to the Field Trip (see Field Trip special form):	<input type="checkbox"/>	<input type="checkbox"/>
I need my poster to be printed (see Poster Printing Service special form)	<input type="checkbox"/>	<input type="checkbox"/>
I will participate to the city tour and official dinner (free)	<input type="checkbox"/>	<input type="checkbox"/>
I need an invitation letter to obtain visa	<input type="checkbox"/>	<input type="checkbox"/>

I need my poster to be printed (see **Poster Printing Service special form**)

I will participate to the city tour and official dinner (**free**)

I need an invitation letter to obtain visa

Registration fee

Fee	Before July 31 st	After July 31 st	Amount Due
Fee with lodging in single room:	450 €	500 €	
Fee with lodging in double room: (*)	350 €	400 €	
Fee with lodging in Youth Hostel	190 €	240 €	
Fee without lodging:	150 €	200 €	
Field trip to the Eifel volcanic field	350 €	400 €	
Poster Printing Service	65 €	65 €	
		TOTAL	

(*) I wish to share my room with

Suggestions, special request (meal, allergies...):

Method of payment:

BANK TRANSFER:

Total amount due: €

In Euro (€) made to account of:

ECGS, 19 rue Josy Welter, L-7256 Walferdange, Luxembourg

with : Banque et Caisse d'Epargne de l'Etat, Luxembourg

IBAN : LU83 0019 1000 3143 5000

BIC code : BCEELULL

VISA / MASTER CARD:

Total amount due: €

Name of Card Holder:

Card number:

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Expiry date: ___ / ___

3 Digits security Nr:

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Signature:

Please e-mail (AVCOR07@ecgs.lu) or fax (+352/33.14.87.88) this form to the Local Organizing Committee

AVCOR07 Field Trip Form:

Field trip to the Eifel volcanic field (Germany) will be organized if the number of participants is sufficient.

For non-European resident, please check that your visa allows traveling to Germany as well. Consult the appropriate embassies in your country or see for instance <http://www.eurovisa.info/> (Schengen visa).

Participant:

Title		Male: <input type="checkbox"/>	Female: <input type="checkbox"/>
Last name			
First name			
Affiliation			
Address			
Tel		Fax	
Email			

Tentative program:

Friday 16th of November:

Leaving Luxembourg on Friday afternoon. Travel to Mayen (Germany) and check in at Youth Hostel.

Saturday 17th of November:

Stop 1: Drive to Laacher See Observation Point: Discuss general tectonic context and geological history of Eifel. Briefly discuss mantle plume vs other main theory of Merle. Observe overall morphology and relate it to geological map Laacher See region. Walk to edge Wintgersberg Quarry and drive to disused part.

Stop 2: Study and discussion of Laacher See Tuff Near-vent deposits. Diagnostic characteristics of hydromagmatic fall breccias, pyroclastic flows and surges, Plinian fall deposits. Vent evolution from study of lithics. Types of cumulate nodules. Eruption dynamics from pumice features. Story of eruption evolution and magma chamber zoning based on cumulate nodules.

Stop 3: Lunch at "Vulkan Brauerei", Mendig

Stop 4-5-6: to N of Laacher See in valley leading to Rhine: Examination of valley-filling ignimbrites versus ignimbrite veneer deposits. Examination of deposit features and discussion on emplacement dynamics of pyroclastic flows. Visit of local carbonated water springs. Discussion of potential benefits of volcanoes in rift valley (ecotourism, bottled water, geothermal) as well as risks from CO₂ emissions (Lake Nyos scenario...).

Return to YHA. Dinner in local restaurant.

Sunday 18th of November:

Stop 1: Krutter Often Quarry, Mendig – spectacular examples of facies variations in Laacher See Tuff. Detailed examination of diverse cumulate nodules.

Stop 2: Eich – more distal facies of Laacher See Tuff – mostly plinian fall, coignimbrite and cosurge falls and distal surge deposits. Accretionary lapilli and their origin. Controls on plinian ejecta dispersal. How to assess volcanic hazards from ejecta fall ? Diversity of hazards and environmental impacts from plinian eruptions (ballistics, roof collapse, pyroclastic flows and surges, lahars...).

Stop 3: Lunch.

Stop 4: Eppelsberg Scoria cone. Typical section through one of the many scoria cones around Laacher See (200 such cones in Eifel). Typical dimensions. Feeder dykes. Typical diversity of products. Complex cone architecture. Monogenetic vs polygenetic history. Discussion of potential hazards from cone-forming and maar-forming eruptions. Difference between cinder cones and scoria cones. Health hazards from volcanic ash (F poisoning, health hazards from corrosive basaltic ash etc...). Industrial use of volcanic materials – potential industrial use of volcanic products across Central Africa.

Stop 5: Mayen, Mendig or elsewhere local: Outcrops of typical lava flows issuing from the scoria cones. Petrology. Typical scales. Typical diagnostic features. Mantle nodules. Industrial use of massive lava.

Typical hazards from cone forming eruptions producing lava flows (continued).

Return to Luxembourg. Dinner and lodging in Luxembourg (included in the fee).

Please e-mail (AVCOR07@ecgs.lu) or fax (+352/33.14.87.88) this form to the Local Organizing Committee

AVCOR07 Poster Printing Service Form:

Participant:

Last name			
First name			
Affiliation			
Address			
Tel		Fax	
Email			

Poster:

Authors			
Title			
File name			
File size [kBytes]		Accepted file format: eps, pdf, tiff or jpeg	

Contact the Local Organize Committee to receive instruction, login and password to upload your file (AVCOR07@ecgs.lu). Charges must be paid and file should be uploaded before October 15th.

Cost:

65€ / Poster

Method of payment:

See registration form.

Please e-mail (AVCOR07@ecgs.lu) or fax (+352/33.14.87.88) this form to the Local Organizing Committee