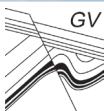




THE GEOLOGICAL SOCIETY
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Geologische Vereinigung e.V.



Deutsche Gesellschaft für Geowissenschaften
German Society for Geosciences (gegründet / founded 1848)

FRAGILE EARTH

Geological Processes from Global to Local
Scales, Associated Hazards and Resources

Updated
Second Circular

International Conference
September 4 – 7, 2011, Munich, Germany

Abstract Deadline May 25, 2011
<http://www.geomunich2011.de>



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN



Conference Info

Contact Information

GeoMunich2011 c/o
Prof. Dr. Anke M. Friedrich
Department of Earth and Environmental Sciences
Luisenstr. 37
LMU Munich
80333 Munich
Germany

info@geomunich2011.de
<http://www.geomunich2011.de>

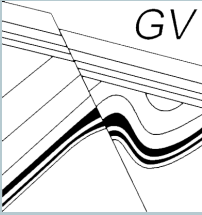
Conference Location

Conference Location

Ludwig-Maximilians-University (LMU)
Main Building,
Geschwister-Scholl-Platz 1
80539 Munich
Germany



Supporting Societies



**Rieskrater-Museum
Nördlingen**



Registration

Registration Fees

	early fees ⁽¹⁾	late fees ⁽²⁾
Regular Member⁽³⁾	195 €	260 €
Regular Non-Member	260 €	320 €
Student Member⁽³⁾	95 €	130 €
Student Non-Member	130 €	160 €
Day Ticket	130 €	130 €
Guests	130 €	130 €

Registration fee includes conference dinner on Tuesday, September 6, for first 600 registrants.

Special fees for participants from low-income countries are available.

⁽¹⁾ *before June 15, 2011*

⁽²⁾ *starting June 16, 2011*

⁽³⁾ *members of the participating organizations
DGG, GV & GSA with proof of membership*

Payment is accepted by credit card (*Visa*[®] and *Master-Card*[®]) or by bank transfer. If you pay by bank transfer from outside of the EU, please ensure that any bank charges are paid by the participant (no costs to the organizers) and make sure to indicate

“participant’s name - BKZ 4200.0190.1769”

as reference. Payment by bank transfer must be received no later than 10 days after the respective deadlines for regular registration. After this time, the higher fee is due.

Account Information

LMU Munich, Bayerische Landesbank,
bank code (BLZ): 700 500 00, acct: 24 868,
BIC: BYLA DE MM, IBAN: DE 53 700 500 00 0000 024 868
reference: participant’s name – BKZ 4200.0190.1769

registration@geomunich2011.de

http://geosociety.org/meetings/2011munich/reg.htm

Abstract Deadline May 25, 2011

Conference Schedule

Pre-Conference Trips

Sunday, August 21 – Sunday, September 4

Non-Scientific Program

Saturday, September 3–Wednesday, September 7

Workshops

Wednesday, August 31 – Sunday, September 4

Ice Breaker

Sunday, September 4, 18:00, LMU Main Building

Conference, Exhibits and Awards Ceremony

Monday, September 5 – Wednesday, September 7
8:30–18:30, LMU Main Building

Public Lecture

Monday, September 5, 20:00

Society Membership Meetings (DGG, GV)

Tuesday September 6, lunchtime

Conference Dinner and Awards Ceremony

Tuesday September 6, 18:15; admission 18:00
Hofbräuhaus München

Post-Conference Trips

Thursday, September 8 – Wednesday, September 15

Workshops

Thursday, September 8 – Saturday, September 10

Abstract Deadline May 25, 2011

Non-Scientific Program

L1 Beer and Food Tour with Beer Tasting

Saturday September 3, 2011; ca. 18:00

Costs: ca. 27 € per person; 25 € for students

Meeting point: Radius-Tours Office, Munich Central Station, across track 32—Duration ca. 3.5 h

L2 Ghost Tour

Sunday September 4, 2011; 21:00

Costs: ca. 12 € per person

Meeting point: Lion sculptures in front of the Feldherrnhalle at the Odeonsplatz—Duration ca. 2 h

L3 Visit to the Wieskirche and the Royal Castles Neuschwanstein & Linderhof

Monday September 5, 2011; 8:30

Costs: 60 € per person including admission & packed lunch

Meeting point: Fountain in front of the LMU main building at the Geschwister-Scholl-Platz 1
—Duration: all day

L4 Guided Tour of the Historic Center of Munich and the King's Palace

Tuesday September 6, 2011; 9:30

Costs: ca. 11 € per person plus 7 € admission

Meeting point: Mariensäule (Marian Column) at the Marienplatz—Duration: ca. 3 h

L5 Conference Dinner with Award Ceremony at the Hofbräuhaus München

Tuesday September 6, 2011; 18:15; admission 18:00

Buffet included in registration fee; beverages not included

Hofbräuhaus München (15-30 min walking distance from the LMU main building; 5-10 min. walking distance from the MVV station Marienplatz)

L6 Romantische Straße (Romantic Road) – Medieval Rothenburg ob der Tauber and Harburg Castle

Wednesday September 7, 2011; 8:10 (departure 8:30)

Costs: 44 € per person plus food, beverage and a
4 € admission

Meeting point: Karstadt travel agency opposite Mu-
nich Central Station—Duration: all day

Worth seeing in and around Munich

on foot—guided tours—by public transport

Munich offers a huge number of representative build-
ings, castles, parks, and a variety of shopping districts.
Fortunately, Munich has building codes banning high-
rise buildings within the city. Although having suffered
losses during WW II, historic Munich can still be traced
throughout the city.

A detailed description of all places of interest can be
found at

<http://www.muenchen.de/home/60093/Homepage.html>

If you want to discover downtown Munich on foot we
especially suggest to visit

- **Sendlinger Tor**
- **Asamkirche**
- **Stadtmuseum**
- **Synagoge with Jewish Museum**
- **Viktualienmarket**
- **Alter Peter (church with viewing tower)**
- **Spielzeugmuseum im Alten Rathaus**

Student Travel

Anyone interested in GeoCouch-Surfing (staying overnight with our students) should checkout Facebook

GeoMunich2011 CouchSurfing

and visit the forum

http://rock.geosociety.org/forumstudenttravel/forum_topics.asp?FID=37

DGG/GV student members can apply for travel grants.

Student Volunteer Work

Students!

Sign up for volunteer work at the conference to reduce your expenses. We have a variety of jobs with flexible working hours!

Contact us at ***info@geomunich2011.de***

Look for us in Facebook!

Awards

Award Ceremony
on
Tuesday, September 6

Deutsche Gesellschaft für Geowissenschaften DGG

- Hans-Stille-Medal
- Serge-von-Bubnoff-Medal
- Leopold-von-Buch-Medal
- Abraham-Gottlob-Werner-Medal
- Hermann-Credner-Scholarship

Geologische Vereinigung GV

- Gustav-Steinmann-Medal
- Hans-Cloos-Award

Deutsche Forschungsgemeinschaft DFG

- Bernd-Rendel-Award

Outstanding Student Poster Awards

All first author students presenting a poster are eligible to compete for this award. Financial support (1st place 1,000 €; 2nd 500 €; 3rd 200 €) to attend a scientific meeting of their choice will be awarded to the winners.

Travel/Accommodation

There is a vast number of hotels and hostels available in Munich and even from the most remote public transport stops (if, for example, you prefer to stay closer to the Alps) it is possible to get to the conference venue in under an hour. A shortlist of hotels in the vicinity can be found as a PDF at:

<http://geosociety.org/meetings/2011munich/index.htm#hotel>

Special Session*

Recent Megathrust Earthquakes and Tsunamis: Observations and Processes

Invited Speakers:

Kuvvet Atakan (University of Bergen, Norway)

Geoff Blewitt (NBMG, Reno, USA)

Heidrun Kopp (IFM-GEOMAR, Kiel, Germany)

Timothy Melbourne (Central Washington Univ., USA)

Daniel Melnick (University of Potsdam, Germany)

Meghan Miller (UNAVCO, Boulder, USA)

Jim Mori (Kyoto University, Japan)

Emile Okal (Northwestern University, USA)

Koji Okumura (Hiroshima University, Japan)

Convenors: Fumiko Tajima, Heiner Igel

& Alexander Allmann

Plenary Sessions*,**

P1 Global-Scale Processes: Global Plate Motions & Structure and Dynamics of the Earth's Mantle

Michael Gurnis – Caltech, USA

Brian Kennett – Australian Natl. Univ., Australia

Dietmar Müller – Univ. of Sydney, Australia

Convenor: Peter Bunge

P2 Regional-Scale Processes: Plate Boundary Evolution and Deformation in Convergent Settings: The Alpine-Himalayan Collision Zone

Thorsten Becker – Univ. of Southern California, USA

Stefan M. Schmid – University Basel, Switzerland

Wim Spakman – Utrecht University, Netherlands

Convenors: Mark Handy & Clark Burchfiel

* please refer to conference website to view complete list of invited speakers for these sessions ** by invitation only

Plenary Sessions^{*,**}

P3 Local-Scale Processes: Local Events With Global Impact

Kathy Cashman – University of Bristol, England

Jürgen Neuberg – University of Leeds, England

Paolo Papale – Ist. Naz. Geofis. Vulcanol., Italy

Convenor: Donald Dingwell

P4 Climate Change, Natural Hazards, Geological Resources and Geology & Health

Anselm Smolka – Munich Re, Germany

Jochen Zschau – GFZ Potsdam, Germany

Seth Stein – Northwestern University, USA

Catherine Skinner – Yale University, USA

Jörg Matschullat – University of Freiberg, Germany

Convenors: Anke Friedrich

* please refer to conference website
to view complete list of invited
speakers for these sessions

** by invitation only

*<http://geosociety.org/meetings/2011munich/techProg.htm>
info@geomunich2011.de*

Technical Sessions

Theme Sessions

T1 Global Geological Processes

- A Terrestrial Stable Isotope Paleohydrology—Using the Stable Isotope Composition of Sedimentary Proxies to Reconstruct Past Changes in the Water Cycle
Convenors: Dirk Sachse; Andreas Mulch
- B Surface to Mantle Connections: Geologic and Geomorphic Records of Deep Mantle Flow
Convenor: Eric Kirby & Peter Bunge
- C Evolution and Paleoecology of Microbial Mats Through Earth History
Convenor: Christoph Heubeck
- D The Mantle in 4-D: Links Between Global Plate Reconstructions and Mantle Tomography
Convenors: Karin Sigloch & Dietmar Müller

T2 Regional Geological Processes

- A Subduction and Collision Processes Through Time in the Mediterranean Area—From the Deep Mantle to the Surface
Convenors: Mark Handy & Clark Burchfiel
- B Multi-Scale Sedimentary Basin Dynamics
Convenors: Christian Heine & Ralf Littke
- C Significance of Large Strike-Slip Fault Systems—Insights From Modern and Ancient Plate Boundaries
Convenor: Wolfgang Franke & A. M. Celâl Şengör,
- D Evolution of the South Atlantic, Adjacent Continents, and Passive Continental Margins in General (SAMPLE)
Convenors: Ulrich Anton Glasmacher & Magdalena Scheck-Wenderoth
- E Geomorphology and Surface Processes of Tectonically Active Regions
Convenors: Manfred Strecker & Eric Kirby
- F TOPOEUROPE: The changing topography of Europe
Convenor: Sierd Cloetingh

Technical Sessions

T3 Local Geological Processes

A Local Events With Global Impact

Convenor: Donald Dingwell

B The Challenge of Understanding Continental Intraplate Earthquakes

Convenors: Kurt Decker & Seth Stein

C Dynamic Impact Cratering in Nature—Experiment and Model

Convenors: Thomas Kenkmann & Alex Deutsch

D Induced Seismicity—From Observation to Geomechanical Understanding

Convenors: Oliver Heidbach & Birgit Müller

E Transient Deformation in the Lithosphere at Conditions Changing Over Short Periods of Time

Convenors: Claudia Trepmann, Bernhard Stöckhert & Jörn Kruhl

T4 Geological Resources

Energy Resources in Sedimentary Basins (Oil, Oil Sands, Gas, Coal, Geothermal Energy, Carbon Sequestration, Mineral Resources, Water, etc.)

Convenors: Ralf Littke, Volker Steinbach & Ulrich Berner

T5 Geological Hazards and Risks

A Geology and Health

Convenors: Anke Friedrich & Catherine Skinner

B Natural Hazards, Catastrophes, and Risk Mitigation

Convenors: Alexander Allmann & Kurosch Thuro

C The Meteorite Impact Hazard—Effects on Earth's Evolution and Future Threats

Convenors: Kai Wünnemann, Wolf Uwe Reimold & Claudia Trepmann

D Palaeofloods and Flood Risk in Arid Regions

Convenors: Joerg Voelkel & Matthias Leopold

Technical Sessions

T6 Geoeducation & Communication

A Earth Sciences for Society, Education in Earth Sciences and Geoheritage

Convenors: Wolfgang Eder, Wesley Hill & Laurel Goodell

B Studium und was dann? Berufseinstieg, Perspektiven, Ausland, Mentoren und Strategien

Convenor: Ulrike Mattig

C Public Outreach: The Best Way to Transfer Geo-Scientific Knowledge to the Public (Geowissenschaftliche Öffentlichkeitsarbeit in der Praxis)

Convenors: Lutz Geißler & Monika Huch

T7 System Earth — Humankind

A Earth Surface in the Anthropocene

Convenors: Matthias Leopold & Joerg Voelkel

B Geology and Human Health

Convenors: Catherine Skinner & Anke Friedrich

T8 Special Interdisciplinary Sessions

A GEOTECHNOLOGIEN

Convenor: Ute Münch

B Current and Future Geodetic Satellite Missions and Their Applications to Geology

Convenors: Roland Pail, Michael Eineder & Richard Bamler

C Quantifying Rates of Geological Processes Across Scales

Convenor: Anke Friedrich

D State of the Art in Geological Mapping at Research Institutions, the Military, and Geological Surveys

Convenors: Werner Stackebrandt, Rolf Gerber & Detlef Kurth

E GIS and 3D-Modelling in Geosciences

Convenors: Rouwen Lehne, Helmut Schaben & Joachim Post

Technical Sessions

T9 Special Session

Special Session in Honour of Prof. Paul Schmidt-Thomé's 100th Anniversary

Convenors: Reinhard Gaupp, Reinhard Hesse
& Michael Schmidt-Thomé

Open Sessions

Can't find a theme session that fits your abstract? No problem. In addition to the topical sessions, there will be quite a few discipline sessions being held at this meeting, which are equally important to our overall technical program. To submit to this group, please select option 2: Open Sessions, when beginning your abstract submission.

<http://geosociety.org/meetings/2011munich/techProg.htm>

Workshops

W1 Free Software for Plate Reconstructions, Geodata Analysis and Map Making

Convenors: Dietmar Müller & Christian Heine

W2 Geodetic Methods in Geology

(GPS, InSAR, Lidar, 3D Laser scanner, Altimetry)

Convenors: Amir Abolghasem & Urs Hugentobler

W3 Neotectonics, Tectonic Geomorphology and Paleoseismology of Tectonically Active Regions

Convenors: Manfred Strecker; Eric Kirby; Taylor Schildgen, Daniel Melnick & Anke Friedrich

W4 Analysis of Microfabrics in Metamorphic and Magmatic Rocks as a Tool for Understanding Deformation Processes on Various Scales

Convenors: Claudia Trepmann & Jörn Kruhl

W5 Public Outreach: The best way to transfer geoscientific knowledge to the public

Convenors: Ingrid Hemmer, Reiner Lehmann & Monika Huch

W6 Workshop für Lehrer — “Klima und Mehr”

Convenors: Ingrid Hemmer, Rainer Lehmann & Monika Huch

For details about individual workshops, please check our website

<http://geosociety.org/meetings/2011munich/workshops.htm>

Contact Information for Workshops

info@geomunich2011.de

<http://www.geomunich2011.de>

Field Trips

General Information

Registration for all field trips must be done through the online registration system. It is not possible to register directly with the trip leaders or by mail.

Registration for field trips closes June 15, 2011. This deadline may be extended for individual trips that are not yet full, so please check back even after the deadline if you are interested in joining a field trip.

The field trip fee is non-refundable with the exception of trip cancellation by the organizers. Field trip registration fees will be debited to your credit card as soon as the trip has reached the minimum number of participants, so you might not see a charge right away on your card statement

Contact Information for Field Trips

info@geomunich2011.de

http://www.geomunich2011.de

Pre-Conference (August 21 – September 4)

E1 Transalp 1 (Tauern Window)

Sunday August 21 – Saturday August 27

cost: 446 €; max: 25 participants

Leaders: Bernd Lammerer (Ludwig-Maximilians-Universität, Munich), Jane Selverstone (University of New Mexico/USA) & Gerhard Franz (Technical University Berlin)

E2 Transalp 2 (Northern Alps & foreland basin)

Sunday August 28 – Sunday September 4

cost: 459 €; max: 25 participants

Leaders: Bernd Lammerer, Alexander Heyng (Ludwig-Maximilians-Universität, Munich), Reinhard Hesse (McGill University, Montreal/Canada) & Hugo Ortner (University of Innsbruck/Austria)

Field Trips

E3 Two Orogens and their Subduction Records in the Eastern Alps

Thursday September 1 – Sunday September 4

cost: 440 €; max: 24 participants

Leaders: Bernhard Fügenschuh (University of Innsbruck/Austria) & Mark Handy (Freie Universität Berlin)

E19a Geoparks of Germany: Vulkaneifel

Thursday September 1 – Sunday September 4

cost: 437 €; max: 30 participants

Leaders: Peter Bitschene (TW Gerolsteiner Land GmbH) & Andreas Schüller (Vulkaneifel Natur- und Geopark GmbH)

E6 Geodetic Observatory Wettzell (one day)

Friday September 2; cost: 37 €; max: 45 participants

Leaders: Urs Hugentobler (Technische Universität München), Ulrich Schreiber & Thomas Klügel (Bundesamt für Kartographie und Geodäsie)

E8 Naturwerksteine Münchens (1/2 day)

Sunday September 4 afternoon

cost: 16 €; max: 25 participants

Leaders: Wolf-Dieter Grimm (Ludwig-Maximilians-Universität, Munich) & Gerhard Lehrberger (Technische Universität München)

E9 Quaternary Geology of the Alpine Foreland (one day)

Saturday September 3; cost: 35 €;

max: 50 participants.

Leaders: Herbert Scholz & Bernhard Lempe (Technische Universität München) & Dorothea Frieling (Olching)

Field Trips

E10 Monitoring of Alpine Glaciers, Austria

Friday September 2 – Saturday September 3
cost: 55 €; max: 15 participants.

Leader: Christoph Mayer (Commission for Glaciology, Bavarian Academy of Sciences and Humanities, Munich)

E18 Active Tectonics and Earthquake Geology of the Vienna Basin

Friday September 2 – Saturday September 3
cost: ca. 170 €; max: 30 participants.

Leaders: Kurt Decker & Ester Hintesberger
(University of Vienna, Austria)

Post-Conference (8-15 September)

E4 German Aerospace Center (DLR)

Thursday September 8; cost: 30 €; max: 30 participants
Leaders: Miriam Kamin, Stefanie Rieger (DLR)

E11 Transalp 3 (Southern Alps and Dolomites)

Thursday September 8 – Wednesday September 14
cost: 567 €; max: 25 participants.

Leaders: Bernd Lammerer, Ludwig Masch (Ludwig-Maximilians-Universität, Munich), Rainer Brandner (University of Innsbruck/Austria) & Lorenz Keim (Geological Survey, Bozen/Italy)

E12 Eastern Alps South of Salzburg

Thursday September 8 – September 15
cost: 710 €; max: 24 participants

Leaders: Franz Neubauer & Johann Genser
(University of Salzburg/Austria)

E13 Natural Hazards of the Northern Alps

Thursday September 8 – Wednesday September 14;
cost: 515 € (double room); 608 € (single room) max:
18 participants

Leader: Kurosch Thuro (Technische Universität München)

Field Trips

E14 Geo Resources of Bavaria

Thursday September 8 – Sunday September 11; cost: 438 € (double room); 515 € (single room) max: 20 participants

Leaders: H. Albert Gilg & Gerhard Lehrberger (Technische Universität München)

E15 Deep Geothermal Power Plants and Drilling Sites in and around Munich (one-day trip)

Thursday September 8; cost: 30 €; max: 20 participants

Leaders: Jörn H. Kruhl (Technische Universität München) & Achim Schubert (Erdwerk GmbH)

E16 Geoparks of Germany: Ries Impact Crater

Thursday September 8 – Friday September 9
cost: 206 €; max: 40 participants

Leaders: Jean Pohl (Ludwig-Maximilians-Universität, Munich), Thomas Kenkmann (Freiburg University) & Gisela Pösges (Ries Krater Museum Nördlingen)

E17 Geoparks of Germany:

Continental Deep Drilling Site (KTB Borehole)

Thursday September 8 – Friday September 9
cost: 165 €; max: 25 participants

Leaders: Frank Holzförster (GEO-Zentrum an der KTB) & Andreas Peterek (Geopark Bayern-Böhmen)

E19b Geoparks of Germany: Erzgebirge–Future Geopark?

Thursday September 8 – Sunday September 11
cost: 466 €; max: 50 participants

Leaders: Helmuth Albrecht, Christoph Breitkreuz & Jörg Matschullat (TU Bergakademie Freiberg)

Registration by Fax +49+(0)89-2180-6514
by E-Mail to registration@geomunich2011.de
or by snail mail to:

LMU München – GeoMunich2011
Registration
Dept. of Earth & Environmental Sciences
Luisenstrasse 37
80333 München
Germany



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