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
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
Registration

Registration Fees

<table>
<thead>
<tr>
<th>Category</th>
<th>Early Fees</th>
<th>Late Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Member</td>
<td>195 €</td>
<td>260 €</td>
</tr>
<tr>
<td>Regular Non-Member</td>
<td>260 €</td>
<td>320 €</td>
</tr>
<tr>
<td>Student Member</td>
<td>95 €</td>
<td>130 €</td>
</tr>
<tr>
<td>Student Non-Member</td>
<td>130 €</td>
<td>160 €</td>
</tr>
<tr>
<td>Day Ticket</td>
<td>130 €</td>
<td>130 €</td>
</tr>
<tr>
<td>Guests</td>
<td>130 €</td>
<td>130 €</td>
</tr>
</tbody>
</table>

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 MasterCard®) 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
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 Munich 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 buildings, 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
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!
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

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.
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 Geomorphologic 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
Conveners: 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)
I would like to register for geomunich2011. Registration for Field Trips and Social Activities only through our website http://www.geosociety.org/meetings/2011munich/

Please charge my card for the amount of

For payment by bank transfer please see info on page 4 of flyer!

Reduced registration fee, because

€
Fragile Earth

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

International Conference
4 – 7 September 2011, Munich, Germany

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

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