

INTERNATIONAL UNION OF GEOLOGICAL SCIENCES (IUGS)

Reporting Form for IUGS Affiliated Organizations 2011

From the International Association for Mathematical Geosciences (IAMG)

1. Country/region

The official address of the International Association for Mathematical Geosciences (IAMG) is in Houston, Texas, USA. However, the Association's officers reside in a variety of countries and its members and activities take place throughout the entire world.

2. Name of IUGS Affiliated Organization:

International Association for Mathematical Geosciences (IAMG) (www.iamg.org)

3. Status of the organization: Independent or?

The IAMG is an independent organization, but has links and affiliations with other organizations such as the International Statistical Institute (ISI), American Association for Petroleum Geologists (AAPG), and of course the IUGS.

4. Names of people in the Leadership/Committee positions?

President: Vera Pawlowsky-Glahn

Vice President: Qiuming Cheng

Treasurer: Jorgina Ross

Secretary General: Daniel Tetzlaff

5. Name, address and e-mail of person preparing the report.

Name: Daniel Tetzlaff, IAMG Secretary General

Address: 5868 Westheimer Rd. #537

Houston, TX, 77057

U.S.A.

Email: danieltetzlaff@aol.com

6. Number of meetings of the organization during the year

We hold at least one yearly conference, usually about one week long. Every fourth year, the meeting is held as part of the International Geological Congress, in which the IAMG usually organizes or co-sponsors between 10 and 20 symposia. The inaugural meeting of the IAMG was held at the 1968 IGC in Prague and our 40th birthday celebration was held during the 2008 IGC in Oslo. Our ordinary General Assembly is held every four years, during the IGC.

7. What are the major issues of the current leadership committee?

- Increasing our membership, through a successful effort that brought the membership to exceed 600 during 2011.
- Maintaining adequate income vs. expenses during difficult financial times.
- Encouraging the formation of new student chapters and increasing the activity of existing ones.
- Identifying and rewarding scholars in the Mathematical Geosciences through one of our several prizes and Distinguished Lecturer programs.
- Sponsoring other events related to Mathematical Geosciences such as courses and conferences, and ensuring the IAMG presence through participation of our officers and members.
- Continuing to improve the quality and reach of our publications and newsletter.

8. Major accomplishments of the organization (or the geological communities).

- We have continued to publish our three well-known international scientific journals: *Computers & Geosciences* with Elsevier as publisher, and *Mathematical Geosciences* and *Natural Resources Research* with Springer. All three are highly recognized among quantitative geoscientists throughout the world.
- Additionally, we have continued to offer our monograph series with Oxford University Press which currently counts nine titles; a series of Studies for Students, which presently consists of five titles ; proceedings of all our conferences ; and a semiannual Newsletter.
- In 2011, our Annula Meeting took place in Salzburg, Austria (September 5-9, Robert Marschallinger, chief organizer).
- During 2011, we approved the organization of our 2013 Annual Meeting in Madrid, Spain.
- We have sponsored other conferences and courses related to our field in 2011, such as the ‘Fourth International Workshop on Compositional Data Analysis’ in Girona (Spain), the ‘Conference on Integrated Prediction of Mineral Resources in Covered Areas and Geomatics’ in Beijing (China), and a meeting on ‘What is Mathematical Geology, where it came and where it will go?’, within the 50-th Mining Příbram Symposium (Czech Republic).
- We funded travel to conferences for two students in 2011, and we are in the process of providing reasearch grants to 5 graduate students for 2011-2012.
- In 2011, the we have approved and supported the following student chapters :
 - China University of Geosciences - Wuhan, China
 - Freiberg University of Mining & Technology, Germany
 - Sun Yat-Sen University - Guangzhou City, China
 - University of Colorado at Boulder, Colorado, USA
 - ENSG-Nancy University, Nancy, France
 - ITC (ISCI), University of Twente, Enschede, The Netherlands
 - Szegeed University, Hungary
- During 2011, we conferred the following awards and honors:
 - - Chayes Award: Dr. Istvan Dunkl (this award includes a substantial monetary grant)
 - - Vistelius Award: Dr. Olena Babak
 - - Matheron Lecturer: Prof. B. S. Daya Sagar
 - - Distinguished Lecturer: Dr. John H. Schuenemeyer
 - - Honorary Member: Dr. Walter Schwarzacher

9. Major activities (international symposium, workshop, outreach activities, hosting international/national meetings.)

Our meetings and other outreach activities are mentioned in point 8 above. Additionally, we have participated in activities of International Year of Planet Earth of which we were a scientific partner. Currently we are Scientific International Partner of the Earth Science Matters Foundation, which builds on the legacy of IYPE and continues its activities.

10. Recent geo-hazards such as earthquake, volcanic eruptions, etc.

Our three major journals have published articles on geohazards including earthquakes and volcanic eruptions. Some of our members reside in areas that suffered geohazards in 2011, such as Japan.

11. Known activities of other geology-related academic organization(s) in each country (Geological Society, Geophysical/Geological Union, etc.)

We always have a presence in the form of a booth at the Annual Meeting of the American Geophysical Union (AGU). This presence serves to strengthen our ties and collaboration at the member level and helps to promote common-ground activities between the two organizations.

12. Any specific activity/achievement that you would report on in Episodes and/or in the IUGS

website (or in your website with a link on the IUGS one)?

We would like to report that we will have student research grants available for students doing research in Mathematical Geosciences in 2012, as well as travel grants to IAMG sponsored conferences and grants for student chapters in Mathematical Geosciences. Applications are available through our website: www.iamg.org

13. Direct relation with IUGS, executive members in the IUGS council?

Are there people who are organizing or chairing task force meetings or any other IUGS activities? IAMG officers Dr. June Hill and Dr. Ricardo Olea are organizing the IAMG symposia and other activities during the 34th IGC to be held in Brisbane, Australia, in 2012.

14. Approximate number of people who intend to participate in IUGS-IGC meeting every 4 years. Approximately 50 of our more than 600 members are likely to participate in the next IUGS IGC meeting.

15. Suggestions for improvement of IUGS activities.

None.

16. Comments.

None.

Regards,

Dr. Daniel M. Tetzlaff
IAMG Secretary General
Email : danieltetzlaff@aol.com