



PERSATUAN GEOLOGI MALAYSIA

WARTA GEOLOGI

NEWSLETTER of the GEOLOGICAL SOCIETY OF MALAYSIA

Jilid 41
No. 1-2

JANUARY-JUNE
2015

Volume 41
No. 1-2

ISSN 0126 - 5539

PP2509/07/2013(032786)



Warta Geologi

Newsletter of the Geological Society of Malaysia

PERSATUAN GEOLOGI MALAYSIA Geological Society of Malaysia

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The Geological Society of Malaysia was founded in 1967 with the aim of promoting the advancement of geoscience, particularly in Malaysia and Southeast Asia. The Society has a membership of about 600 local and international geoscientists.

Warta Geologi (Newsletter of the Geological Society of Malaysia) is published quarterly by the Society. Warta Geologi covers short geological communications and original research, as well as reports on activities and news about the Society. It is distributed free-of-charge to members of the Society. Further information can be obtained from:

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PERSATUAN GEOLOGI MALAYSIA
GEOLOGICAL SOCIETY OF MALAYSIA

49th ANNUAL GENERAL MEETING
& ANNUAL REPORT 2015



25th April 2015

Department of Geology, University of Malaya, Kuala Lumpur

AGENDA

Date: 25th April 2014
Time: 5.30 pm
Venue: Department of Geology, University of Malaya, Kuala Lumpur

The Agenda for the Annual General Meeting is as follows:

1. Welcoming Address by the President for Session 2014/2015
2. Confirmation of Minutes of the 48th AGM held on the 25th April 2014
3. Matters Arising (48th AGM Minutes)
4. Annual Report for Session 2014/2015
 - a. President's Report
 - b. Secretary's Report
 - c. Editor's Report
 - d. Treasurer's and Honorary Auditor's Reports
 - e. GSM Endowment Fund Report
5. Election of Honorary Auditor
6. Other Matters:
 - a. Election of Honorary Membership
 - b. 50th Anniversary and AGM by T.T.Khoo
 - c. Follow-Up on Elimination of Sabah Pre-Cretaceous in GSM Tate (2002)
Geology of Borneo Island Map by K.M.Leong
7. Announcement of New Council for 2015/2016
8. Presidential Address for 2015/2016

PERSATUAN GEOLOGI MALAYSIA GEOLOGICAL SOCIETY OF MALAYSIA (GSM)

MINUTES OF THE 48th ANNUAL GENERAL MEETING (AGM)

Date : 5th April 2013
Time : 5.30pm
Venue : Department of Geology, University of Malaya, Kuala Lumpur

Members Present

- | | |
|---------------------------|----------------------------|
| 1. Joy Jacqueline Pereira | 20. Richard Mani Banda |
| 2. Lim Choun Sian | 21. Nur Iskandar Taib |
| 3. Mazlan Madon | 22. Askury Abd Kadir |
| 4. Datuk Fateh Chand | 23. Ibrahim Komoo |
| 5. Chin Lik Suan | 24. Yunus Abd Razak |
| 6. Ng Tham Fatt | 25. Zuhar Zahir Harith |
| 7. Chow Yor Chun | 26. Woo Chaw Hong |
| 8. Teng King Kuen | 27. Gan Lay Chin |
| 9. Ralph L Kugler | 28. Peter Abolins |
| 10. Nicholas Jacob | 29. Zakaria Endut |
| 11. Ling Nan Ley | 30. Goh Shin Mei |
| 12. Wan Hasiyah Abdullah | 31. Shee Kein Wei |
| 13. Abd Rasid Jaapar | 32. Tanot Unjah |
| 14. Wan Fuad Wan Hassan | 33. Ahmad Said |
| 15. T Suntharalingam | 34. Meor Hakif Amir Hassan |
| 16. Lee Chai Peng | 35. Farah Yasmin M Yusop |
| 17. Robert Wong | 36. Aftab Alam Khan |
| 18. Cheang Kok Keong | 37. Ahmad Nizam Hasan |
| 19. Samsudin Hj Taib | 38. Leong Khee Meng |

1. Welcoming Address by the President for Session 2013/2014

Joy Jacqueline Pereira, the President of Geological Society of Malaysia acted as the Chairperson of the AGM and called the meeting to order at 5.30pm. She commended the overwhelming response of the members to the AGM. She said that in this AGM, the views and feedbacks of the members on a number of issues were needed in steering the Society.

2. Adoption of Agenda

The Chairperson tabled the following agenda to the AGM for acceptance:

1. Welcoming Address by the President for Session 2013/2014
2. Adoption of Agenda
3. Confirmation of Minutes of the 47th AGM held on the 5th April 2013
4. Matters arising
5. Annual Report for Session 2013/2014
 - President's Report
 - Secretary's Report
 - Editor's Report
 - Treasurer's and Honorary Auditor's Reports
6. Election of Honorary Auditor
7. Other Matters:
 - 7.1 GSM Endowment Fund
 - 7.2 Future of PGCE
 - 7.3 Suggestion of name change for National Geoscience Conference
 - 7.4 Improvement to GSM Editorial Processes – KM Leong
 - 7.5 Election of Honorary Member

8. Announcement of New Council for 2014/2015
9. Presidential Address for 2014/2015

The agenda was unanimously accepted.

3. Confirmation of Minutes of the Previous AGM

The Minutes of the 47th AGM was tabled for confirmation.

Yunus Abd Razak proposed that the minutes be confirmed, seconded by Samsudin Hj Taib.

The minutes were unanimously confirmed without any amendment.

4. Matters Arising

4.1 Promoting Geoscience in schools

The AGM proposed to use the GSM endowment fund to support this activity.

4.2 Best Student Award

The AGM was informed that GSM had in the past sent the TOR to the universities and it was stated in the TOR that the award be conferred only to the best student.

4.3 Reporting of the Income and Expenditure of PGCE

The Income and Expenditure of PGCE 2013 was reported in the AGM.

4.4 Honorarium for the Secretariat

The AGM was informed that the Council has increased the amount of the monthly honorarium for Ms Anna Lee.

4.5 GSM Office

The meeting was informed that UM was undergoing a restructuring process. The AGM proposed the incoming President and the Council to make a courtesy call to the Vice Chancellor of UM once the restructuring process is completed and to try to negotiate for a more conducive space for the GSM office.

Action: Incoming Council

5. Annual Reports 2013/2014

5.1 President's Report

Joy Jacqueline Pereira tabled the President's Report (Appendix 1). She especially acknowledged the contribution of Dato' H.K. Sia of the Malaco Group of Companies to the GSM Endowment Fund.

T Suntharalingam proposed that the President's Report be accepted and this was seconded by Samsudin Hj Taib.

5.2 Secretary's Report

Ling Nan Ley tabled the Secretary's Report (Appendix 2).

Fateh Chand proposed that the Secretary's Report be accepted and this was seconded by Nicholas Jacob.

5.3 Editor's Report

Ng Tham Fatt tabled the Editor's Report (Appendix 3).

The meeting generally opined that the prominence of GSM publications should be enhanced through ISI and SCOPUS indexing.

Ibrahim Komoo proposed that the Editor's Report be accepted and this was seconded by Lee Chai Peng.

5.4 Treasurer's and Honorary Auditor's Report

Ahmad Nizam Hasan tabled the Treasurer's and Honorary Auditor's Report (Appendix 4). The AGM discussed the following matters:

- a. "Petroleum Geology Conference and Exhibition" should be amended as "Petroleum Geoscience Conference and Exhibition".

- b. The meeting opined that the sale of the publications was not satisfactory. The AGM proposed to boost the sale through promotion to university lecturers and students.

Action: Incoming Council

Lim Choun Sian proposed that the Treasurer's and Honorary Auditor's Report be accepted and this was seconded by Askury Abd Kadir.

6. Election of Honorary Auditor

Ahmad Nizam Hasan proposed to continue appointing S.F Lee & Co as the Honorary Auditor for the year 2014. The AGM unanimously agreed to the appointment.

7. Other Matters

7.1 GSM Endowment Fund

Joy Jacqueline Pereira tabled the GSM Endowment Fund's Implementation Proposal (Appendix 5) for approval.

The AGM unanimously agreed to the following proposals:

i. An amendment to the Terms of Reference prepared by Advocates and Solicitors, Messrs Yeap, Yong and Amy. The amendment is to provide for the establishment of the "Board of Trustees of the GSM Endowment Fund", whose members shall comprise the President, Immediate Past President, Secretary, Treasurer, Editor and at least three independent Full Members "in good standing", to be appointed at the AGM. Appointment of members to the Board is for a period of three years and the Chairman of the Board will be appointed by the GSM Council. The Board will meet at least once a year to scrutinise the administration of the GSM Endowment Fund, to ensure that the terms of reference are adhered to, and to approve the annual report prepared for the AGM thereafter.

ii. To appoint the following persons as members of the Board of Trustees of the GSM Endowment Fund:-

- Chairman: Dato' Yunus Abd Razak
- GSM Council Members: GSM President, Immediate Past President, Secretary, Treasurer and Editor
- GSM Members: Dato' H.K. Sia, Datuk Fateh Chand and Mr. Ahmad Said

iii. To use the interest portion accrued, for the following items:-

- Book prize and awards for students and geoscientists;
- Scholarships for education and training;
- Fellowships for capacity building, research and internships;
- Honorarium for invited speakers and other contributors;
- Community service and geoscience education and awareness;
- Education and training workshops;
- Organisation of scientific meetings;
- Publication of scientific material;
- Subscription and purchase of scientific publications; and
- Any other activity deemed by the Council to enhance the objectives of GSM.

iv. To engage a consultant to document the GSM tax deduction status so as to encourage donation from the public.

Action: Incoming Council

7.2 Future of PGCE

Joy Jacqueline Pereira representing the Council tabled "The Future of PGCE, Revisited" (Appendix 6) to seek guidance on the future of PGCE as a flagship and the protection of GSM's intellectual property rights.

After a lengthy discussion, the AGM decided on the followings:

- i. GSM to continue to build relationship with PETRONAS
- ii. GSM to discuss with PETRONAS to see in what way GSM could collaborate with PETRONAS in organising the PGCE such as through publication of technical papers
- iii. GSM to consider to confer to some of PETRONAS senior staff the Honorary Membership in recognition of their contribution to GSM
- iv. GSM to negotiate with PETRONAS to lower the registration fee of PGCE for GSM members

Action: Incoming Council

7.3 Suggestion of name change for National Geoscience Conference

The Council had proposed to bring this matter to the AGM to allow input from the members.

The AGM resolved that the matter be discussed by the new Council. The Council is to review the organisation of the conference and to possibly come up with a new approach in conducting the conference.

Action: Incoming Council

7.4 Improvement to GSM Editorial Processes – KM Leong

K.M.Leong wanted the continual improvement of GSM editorial processes. He was especially concerned with the Geology of Borneo Island Map by Tate (2002) where the Sabah Pre-Cretaceous Geology was not recorded (Appendix 7).

The AGM opined that GSM cannot stop publishing or stop selling any of its publications. Any member with new evidence or found any error or inaccuracy in any of GSM publications could submit a paper to argue the case or to come up with a new revised map.

7.5 Election of Honorary Member

In the AGM, Professor Emeritus Dato' Dr. Ibrahim Komoo was presented Honorary Membership of GSM.

8. Announcement of New Council for 2014/2015

Joy Jacqueline Pereira announced the Council for 2014/2015.

President	:	Dr. Mazlan Madon (PETRONAS)
Vice-President	:	Mr. Abd Rasid Jaapar (Asian Geos)
Imm. Past President	:	Prof. Dr. Joy Jacqueline Pereira (UKM)
Secretary	:	Mr. Lim Choun Sian (UKM)
Assistant Secretary	:	Mr. Nicholas Jacob (JKR)
Treasurer	:	Mr. Ahmad Nizam Hasan (GeoSolution Resources)
Editor	:	Associate Prof. Dr. Ng Tham Fatt (UM)
Councillors (2 years)	:	Dr. Meor Hakif Amir Hassan (UM) Mr. Robert Wong (PETRONAS) Mr. Askury Abd Kadir (UTP) (Vacant)*
Councillors (1 year)	:	Mr. Tan Boon Kong (Consultant) Dr. Nur Iskandar Taib (UM) Dr. Tanot Unjah (UKM) Dr. Samsudin Hj Taib (UM)

*To be co-opted by the incoming Council

9. Presidential Address

The newly-elected President Mazlan Madon expressed that it is a great honour for him to be elected to serve as the President and thanked the members for their support and confidence. He pledged that he and the new Council would try their best to serve for the good of the Society.

The AGM was adjourned at 7:00pm.

10. Vote of Thanks

K.M. Leong recorded a vote of thanks to the out-going Council.

LING NAN LEY

Secretary 2013/2014

2 May 2014

PRESIDENT'S REPORT 2014/2015

Since the 48th Annual General Meeting (AGM) on 19th April 2014, the Geological Society of Malaysia (GSM) has continued with its regular activities in promoting scientific exchange among geoscientists by organizing talks, seminars and conferences with a general objective of advancing the geological sciences in the country and the surrounding region. The activities included the National Geoscience Conference (NGC 2014), short courses and technical talks, and seminars organized by members. In particular, the Working Groups and Regional Representatives of GSM have greatly supported the Society's efforts in enhancing the capability of local geoscientists by organizing the various technical events.

In that regard, I wish to highlight some of the key activities undertaken by the Society during the year 2014/15.

National Geoscience Conference (NGC) 2014

The Society successfully organized its flagship event, the National Geoscience Conference (NGC) for the twenty-seventh time, with the NGC 2014 held on 13-14 June 2014 at the Hotel Grand Continental, Kuala Terengganu. Continuing the tradition of involving local academia and industry representatives at the chosen location, the event was co-organised in collaboration with Universiti Malaysia Terengganu (UMT) and Jabatan Mineral dan Geosains (JMG) Terengganu, with the theme "Climate and Sea-Level Change through Geologic Time" and was officiated by the Vice-Chancellor of UMT as the host of the event, Prof. Emeritus Dato' Ibrahim bin Komoo. The Chairman of the Organising Committee was Dr Peter Parham of the Institute of Oceanography and Environment (INOS), UMT. The event attracted more than 200 participants from academic and industry practitioners, as well as students from Malaysia and abroad. The Society would like to record its deepest gratitude to all parties involved in the organization of NGC 2014 for spending time, money and effort in ensuring the success of the event.

For the NGC 2015, to be held on 31 July to 1 August, at the Perdana Hotel, Kota Bahru, Kelantan, the Society will continue to organize this important event in its calendar, in close collaboration with Universiti Malaysia Kelantan (Faculty of Earth Science), JMG Kelantan, and Perbadanan Menteri Besar Kelantan (PMBK). Efforts are underway to make this event a success. The Society humbly requests the full support of members and potential donors to make this event a successful one.

GSM Endowment Fund

As members are well aware, the GSM Endowment Fund was established after the AGM of 2012 with the objective to maintain a steady source of funding for the society activities in the long term, particularly capacity building in geosciences. The fund, then known as PGCE Endowment Fund, had an initial principal sum. The Society is also pleased to inform members that the GSM Endowment Fund, has a healthy balance (as at 31 December 2014) of RM 1,050,000.00, a rise from its initial RM900,000.00 deposit, owing to generous contributions from GSM (RM100,000.00) and Malaco Group of Companies (Dato' H.K.Sia) (RM50,000.00). The interest accrued as of 31 December 2014 is RM 34,157.06. During the 2014/15 period, the Society has not drawn any funds from the Fund.

On 9th April 2015, the Board of Trustees for the Fund met and endorsed the council's report on the administration of its accounts and made some recommendations for consideration by the incoming council (details are presented in the full report of the Board of Trustees of the GSM Endowment Fund), particularly with respect to tabling an annual budget for society activities covered under the Terms of Reference of the Fund. These recommendations will be considered by the incoming council.

In addition, to encourage future donations to the Fund, the Board of Trustees have recommended the Society to take the necessary steps to obtain the proper documentation on the Tax Exemption status of donations from relevant authorities.

GSM publications: online access

The Society continued with its role of disseminating geological information via its flagship publication, the Bulletin, as well as the newsletter, *Warta Geologi*. The Editor will report the regular issues published during the year, plus the preparation of the special volume of the Bulletin in honour of one of the Society's past presidents, Professor Charles Hutchison (Volume 60). The Society looks forward to this much-anticipated publication.

In an effort to make its publications widely available to geoscientists, home and abroad, the Society has taken a big initiative to upload all its publications onto its website. The council is happy to report that as of April 2015, all the GSM Bulletin issues (volumes 1 to 59) are now available digitally through the official website (gsm.org.my) as well as the alternative website (gsmpubl.wordpress.com), while issues of *Warta Geologi* volume 20 to 50 are also available for the benefit of members and non-members alike. I encourage members to use this resource and disseminate the information for the benefit of geoscience community.

GSM-IGM Joint Committee

The GSM-IGM Joint Committee, co-chaired by the respective Presidents, met on 9th April 2015 to discuss ways to achieve common goals that would strengthen the practice of geoscience in the country. One of the outcomes of the meeting is that the two parties agreed to join a major initiative called “GEOSCIENCE TO ACTION for Disaster Risk Reduction” (G2A4DRR) in support of the “Science to Action” (S2A) initiative that was inspired by the Honourable Prime Minister, Dato’ Sri Mohd Najib Tun Haji Abdul Razak in 2013 to make science relevant for governance, industry and community well-being. The S2A is implemented by the Office of the Science Advisor to the Prime Minister. The proposal for GSM and IGM to come on board was made by UKM’s Southeast Asia Disaster Prevention Research Institute (SEADPRI-UKM) and University Malaya’s Geology Department as collaborators in implementing that initiative, which in the first one year, involves setting up a plan to bring together key researchers and practitioners working on urban hazards to start a conversation with financial entities and regulators on ways to enhance science-based decision making for managing risks in a changing global climate conditions.

The role of GSM and IGM would be to facilitate the development of linkages between geoscience practitioners from the UK and Malaysia, to advance development of geoscience tools and products suitable for local conditions. The initiative is fully funded by Newton-Ungku Omar Grant administered by the British Council and MIGHT, and in partnership with University of Cambridge, University College of London and the International Union of Geological Sciences Commission on Geoscience for Environmental Management (IUGS-GEM).

Through involvement in this flagship, GSM would be able to promote its activities while making a significant contribution to geoscience application for the benefit of the society at large.

Other activities:

In an effort to enhance capability building efforts of members, the Society has also appointed chairpersons of working groups, namely the Petroleum Geology Working Group (En. Othman Ali Mahmud, PETRONAS) and Geophysics Working Group (Dr Zuhar Zahir Tuan Harith, Herriott-Watt University, Cyberjaya). Other working groups and regional groups remain active in organizing their seminars and talks.

On behalf of the Society, the Council would like to thank members and everyone who contributed their time and effort to GSM over the past year. Our deepest gratitude and appreciation go to the respective organising chairpersons, Working Group leaders and their committee members, as well as partner organisations – University of Malaya, Institute Geologi Malaysia, Universiti Malaysia Terengganu, Jabatan Mineral dan Geosains, PETRONAS, Universiti Teknologi PETRONAS, Universiti Kebangsaan Malaysia, Universiti Malaysia Sabah and all other collaborators for their contribution, support and unwavering dedication to GSM. We are also grateful to donors to the GSM Endowment Fund, in particular, the Malaco Group of Companies for their generous contribution.

The Society would also like to record its appreciation to the University of Malaya for continuously supporting GSM by allowing the use of facilities at the Department of Geology as the home of the GSM secretariat. Last but not least, I take this opportunity to thank the Council Members, Ms. Anna Lee and Wan Aida Wan Zahari for their tremendous support and assistance rendered to council and the Society during the term 2014/2015.

MAZLAN MADON

President 2014/2015

Geological Society of Malaysia

SECRETARY'S REPORT 2014/15

Introduction

On behalf of the members of the Council of the Geological Society of Malaysia (GSM), it is my pleasure to present the Secretary's Report for the session 2013/2014.

Society structure

The Society's stakeholders are the members of the Society led by an elected Council. The Council's main functions are to set directions to promote the advancement of geosciences, endorse activities and provide guidance for the execution of the activities of the Society.

The Council is supported by 6 Working Groups and 6 Regional Representatives. The Working Groups' main function is to promote advancement and exchange of knowledge in specific geoscience areas. The Regional Representatives' main function is to promote geosciences and implement the mission of the society within their respective geographical areas.

The Council is assisted by the Secretariat. The Secretariat assisted the Society in the administration of day-to-day activities of the Council, Working Groups and Regional Representatives.

Membership

As at 31st December 2014, the total number of members in the Society stands at 553. There is a huge overall drop of 93 when compared with the membership of 2013. The drop was mainly from Malaysia and was from the Full and Student categories. However there is quite a big increase in the Life Memberships, largely from Malaysia. The table below presents the breakdown in membership categories and their geographical breakdown.

Breakdowns of Membership

COUNTRY	Hon.	Life	Full	Assoc.	Student	Inst.	Total 2014	Total 2013
Malaysia	2 (1)	280 (263)	106 (143)	6 (3)	86 (120)	2 (2)	482	532
Australia	-	15 (20)	2	-	-	-	17	22
Canada	-	3 (3)	-	-	-	-	3	3
China	-	1 (1)	-	-	-	-	1	1
Europe	-	13 (11)	-	-	-	1 (0)	14	11
Hong Kong	-	2 (2)	-	-	-	-	2	2
Indonesia	-	5 (7)	-	-	-	-	5	7
Japan	-	3 (4)	-	-	-	-	3	4
Middle East	-	7 (7)	-	-	-	-	7	7
Philippines	-	2 (3)	-	-	-	-	2	3
Singapore	-	5 (8)	0 (1)	1 (1)	-	1 (1)	7	11
Thailand	-	3 (3)	-	-	-	-	3	3
USA	-	7 (10)	-	-	-	-	7	10
TOTAL 2014	2	346	108	7	86	4	553	
TOTAL 2013	1	342	146	4	120	3		616

Note: 1. X(Y) — X=Number for year 2014, Y=Number for year 2013

2. Country — based on Mailing Address, not Nationality

The Council

The Council for the Geological Society of Malaysia (GSM) for 2013/2014 session resumed their office after the 48th AGM on the 25th April 2014.

COUNCIL FOR 2014/2015

Upon the closing of nominations, only single nominations were received respectively for the positions of President, Vice President, Secretary, Treasurer, Assistant Secretary and Editor, and there were three nominations for the four 2-year Councillor positions.

The Council for 2014/2015:

President	:	Dr. Mazlan Madon (PETRONAS)
Vice-President	:	Mr. Abd Rasid Jaapar (Asian Geos)
Imm. Past President	:	Prof. Dr. Joy Jacqueline Pereira (UKM)
Secretary	:	Mr. Lim Choun Sian (UKM)
Assistant Secretary	:	Mr. Nicholas Jacob (JKR)
Treasurer	:	Mr. Ahmad Nizam Hasan (GeoSolution Resources)
Editor	:	Associate Prof. Dr. Ng Tham Fatt (UM)
Councillors (2 years)	:	Dr. Meor Hakif Amir Hassan (UM) Mr. Robert Wong (PETRONAS) Mr. Askury Abd Kadir (UTP) *Mr Mohd Badzran Mat Taib (JMG)
Councillors (1 year)	:	Mr. Tan Boon Kong (Consultant) Dr. Nur Iskandar Taib (UM) Dr. Tanot Unjah (UKM) Dr. Samsudin Hj Taib (UM)

*Co-opted by the Council on 8 Sept 2014

Council Meetings

During the 2013/2014 session, the Council met 6 times. The attendance of the council members to the meetings is presented in the table below. All the meetings were conducted at the meeting room of the Department of Geology, University of Malaya, Kuala Lumpur.

Attendance of Council Members at Council Meetings

NAME	6/6/14	10/7/14	19/9/14	12/12/14	23/1/15	3/4/15	Total
Abdul Rasid Jaapar, Mr	0	/	/	/	0	/	4/6
Ahmad Nizam Hasan, Mr.	0	/	/	/	/	0	4/6
Askury Abd Kadir, Mr.	0	0	0	0	/	0	1/6
Joy J. Pereira, Prof	/	/	0	/	/	/	5/6
Lim Choun Sian, Mr	/	/	/	/	/	/	6/6
Mazlan Madon, Dr	/	/	/	/	/	/	6/6
Meor Hakif Amir Hassan, Dr	/	/	/	/	0	/	5/6
*Mohd Badzran Mat Taib, Mr	-	-	0	0	0	0	0/4
Ng Tham Fatt, Dr	/	/	/	0	/	/	5/6
Nicholas Jacob, Mr	0	/	0	0	/	0	2/6
Nur Iskandar Taib, Dr	/	/	/	/	0	/	5/6
Robert Wong, Mr.	/	0	0	/	0	0	2/6
Samsudin Hj Taib, Dr.	/	/	/	/	0	0	4/6
Tan Boon Kong, Mr.	/	/	0	/	/	0	4/6
Tanot Unjah, Dr	0	0	/	0	/	0	2/6

*Co-opted by the Council on 8 Sept 2014. Note: / = present, 0 = absent with apology, - = resigned or prior to appointment

Working Groups

The Working Groups and the Chairs for Session 2014/2015 are as follows:

	WORKING GROUP	CHAIRMAN 2012/2013
1	Engineering Geology, Hydrogeology & Environmental Geology	Mr. Tan Boon Kong
2	Promotion of Geoscience & Young Geologists	Dr. Tanot Unjah
3	Economic Geology	Mr. Zakaria Endut
4	Regional Geology	Dr. Mohd Rozi Umor
5	Geophysics	Dr. Samsudin Hj Taib/ Dr Zuhar Zahir Tuan Harith
6	Petroleum Geology	Mr. Robert Wong/ En. Othman Ali Mahmud

Regional Representatives

The Society is trying to strengthen its delivery mechanism at the sub-national level through the appointment of Regional Representatives to work in conjunction with the local membership to advance geoscience in the respective regions. The Regional Representatives for Session 2014/2015 are as follows:

	REGION	REPRESENTATIVE 2011/2013
1	Southern Peninsular Malaysia	Dr. Edy Tonnizam Mohamad (UTM)
2	Perak	Mr. Jasmi Ab. Talib (UTP)
3	Northern Peninsular Malaysia	Dr. Kamar Shah Ariffin (USM)
4	Eastern Peninsular Malaysia	Mr. Hamlee Ismail (JMG)
5	Sarawak	Mr Ling Nan Ley (JMG)
6	Sabah	Dr. Rodeano Roslee (UMS)

Activities

The Society has successfully organised National Geoscience Conference 2014 (NGC 2014), and other activities such as technical talks, field visit and short courses.

The National Geoscience Conference 2014 (NGC 2014) was held on 13-14 June 2014 at the Hotel Grand Continental, Kuala Terengganu. Continuing the tradition of involving local academia and industry representatives at the chosen location, the event was co-organised in collaboration with Universiti Malaysia Terengganu (UMT) and Jabatan Mineral dan Geosains (JMG) Terengganu, with the theme “Climate and Sea-Level Change through Geologic Time”. The post-Conference fieldtrip was also successfully carried out on 15 June 2014 at Pulau Bidong area.

Other Activities: During the session, the Council with the cooperation of Working Groups, Regional Representatives, and in collaboration with UKM, UM, UMS, IGM, LESTARI, Geoheritage Group of Malaysia and JMG were able to organise a total of 25 sessions inclusive of technical talks, a short course, a dialogue, a competition and a site visit.

In brief, out of the 25 activities; 14 were co-organised under Institutional Collaboration, 8 were organised under GSM Working Groups, and 4 under the organisation of GSM Regional Representatives.

Summary of Activities

No	Date	Activity	Topic	Venue	Collaborator
1	15 May 2014	Technical Talk (Geology & Civil Engineering)	Geology in Civil Engineering - Dr Hayati Awang (UiTM) Title: Laboratory and field works to assessing slope stability - Mohd Fakhurrizi bin Ishak (UMP) Geological input in site investigation and foundation - Mohamad Faizal Tajul Baharuddin (UTHO) on	UM	Institutional Collaboration
2	16 May 2014	UMS-GSM Technical Talk	Occurrence of Early Eocene to Middle Eocene Planktic Foraminifera from Bedded Shale At The Suang Pai Quarry, Kudat, Sabah; A Preliminary Interpretation - En. Junaidi Asis (UMS) Effects of Moisture and Clay Minerals on the Strength of Soil Along Kota Belud – Ranau Road, Tamparuli, Sabah - En. Mohd Ali Yusuf (UMS)	UMS	Regional Working Group
3	21 May 2014	Technical Talk	Dolomitization and Porosity - Prof Dr Rick P Major (Shell/UTP)	UM	Institutional Collaboration
4	6 June 2014	UMS-GSM Technical Talk	Sub-Stratum Interpretation and Aquifer Potential Identification of Dent Group Sedimentary Rock, Lahad Datu, Sabah by Using Applied Geophysical Methods - En. Hardianshah Saleh (UMS) Integrasi Kaedah Penderiaan Jauh dan Sistem Maklumat Geografi (GIS) dalam Pemetaan Kawasan Berpotensi Air Tanah Sekitar Kota Kinabalu, Sabah - En. Zulherry Isnain (UMS)	UMS	Regional Working Group
5	20 June 2014	Technical Talk	Remote sensing exploration model for metallic deposits in tropical environments - Amin Beiranvand Pour (Institute of Geospatial Science & Technology - INSTeG), UTM	UM	Working Group

PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

6	20 June, 2014	Technical Talk	Paleomagnetic studies on two rock units of SE Asia: The Jurassic Umphang Group of western Thailand (the Sibumasu Terrane) and the Jurassic– Cretaceous Tembeling Group of Peninsular Malaysia - Prof. Yo-ichiro Otofujii (Kobe University, Japan)	UM	Institutional Collaboration
7	25 June, 2014	Technical Talk	Finite Element Modelling for Underground Nuclear Waste Repository - Ir Dr Tey Chun Yean (Gamuda)	UM	Working Group
8	27 June 2014	Technical Talk	Oil from Coals – from the Arctic to the Tropics - Prof. Dr. Wan Hasiah bt. Abdullah	UM:	Institutional Collaboration
9	13 Aug., 2014	Technical Talk /Retirement Lecture No. 4	Groundwater Contributions in Times of Drought – Role of JMG - Mohammed Hatta B. Abd. Karim (JMG)	UM.	Working Group
10	14 Sept 2014	Dialogue	IAEG (Malaysia Chapter), IGM & GSM - Sembang-sembang teh tarik: Re-activation of IAEG Malaysia National Group and way forward	UKM	IAEG (Malaysia Chapter) & IGM
11	24 Sept 2014	Technical Talk	Earthquake Damage to Buildings and Infrastructure: Under-Utilised Geological Data Source - H.D Tjia	UKM	Institutional Collaboration
12	13 Aug, 2014	Technical Talk / Guest Talk	Intraplate Destruction of the North China Craton during the Mesozoic-Cenozoic: Formation of the Bohai Bay Basin, North China - Prof. Sanzhong LI (Ocean University of China, Qingdao.	UM	Institutional Collaboration
13	18 Nov 2014	Technical Talk	(1) Root causes of widespread mass movement at Kundasang, Sabah (2) Regional section across NW Sabah - Prof. Emeritus Dr. H.D. Tjia	UMS	Regional Working Group
14	4 Nov 2014	Technical Talk	Sequence Stratigraphic analysis and some success stories - Robert Wong Hin Fatt	UM	Working Group
15	17 Nov 2014	Competition	Pertandingan Geokit	LESTARI, Geoheritage Group	Working Group
16	26 Nov 2014	Technical Talk	Landslide Geohazards in Hillside Development – Geologist’s Role in Disaster Prevention - Assoc. Prof. Dr Tajul Anuar Jamaluddin (UKM)	UM	Working Group
17	8 Dec 2014	Technical Talk	Overview of hydraulic fracturing of gas/liquid shales and unconventional resource assessment– with an example of the Duvernay Formation in Western Canada - Raphael Wust, PhD, PGeo	UM	Institutional Collaboration
18	8 Jan., 2015	Technical Talk/ Chairman’s Lecture No. 20	Ground Evaluations for Hillside Development – Engineering Geology - Tan Boon Kong	UM	Working Group
19	6-7 Feb 2015	Geologist Night/ Technical Talk and Fieldtrip Sarawak	Geologists’ Night Technical Talk “A New Concept on the Structural Formation of Bau Area” by Mr. Melford Go, Senior Field Geologist, North Borneo Gold Field Visit to Santubong, Sarawak	JMG Sarawak	Regional Working Group / Institutional Collaboration
20	4 Feb 2015	Technical Talk	Gobal Cooling – the Other Side of the Moon/Coin - Assoc. Prof. Dr. Anizan Isahak (UKM)	UM	Working Group
21	3 – 4 March 2015	Short Course	Basin Analysis and Petroleum Plays short course - co-organised with Dept of Geology UM. A 2-Day Short Course for petroleum geologists and seismic interpreters involved with exploration and development of oil and gas fields by Prof. Jan de Jager, Regional and Petroleum Geology Utrecht University, The Netherlands.	UM	Institutional Collaboration
22	4 March 2015	Technical Talk	Stratigraphy and facies analysis of Paleozoic sedimentary succession North Peninsula Malaysia - Assoc. Prof. Dr. Hassan M. Baioumy School of Physics (Geophysics) USM	UKM	Institutional Collaboration
23	18 March 2015	Technical Talk/ Career Talk	1. Fault-plane Markings as Displacement Indicators - : Prof. Emeritus Tjia, H.D. Career as Petroleum Geologist - Mr. Herman Darman	UKM	Institutional Collaboration

24	25 March 2015	Technical Talk	Hydrothermal Alteration of Cambro-Ordovician Carbonates of North America and Relevance to the Carbonates of SE Asia - Dr. Richard Bray (Carbonate Reservoir Consultant, SE Asia - formerly Carbonate Expert at PETRONAS Carigali)	UM	Institutional Collaboration
25	8 April 2015	Technical Talk	The application of Laser Induced Breakdown Spectroscopy (LIBS) - Dr. Jong Yoo (ORNET SDN BHD)	UKM	Institutional Collaboration

Other Major Upcoming Events

The National Geoscience Conference 2015 (NGC 2015)

The next NGC 2015, will be held on 31 July to 1 August, at the Perdana Hotel, Kota Bahru, Kelantan. The organising committee include Universiti Malaysia Kelantan (Faculty of Earth Science), JMG Kelantan, and Perbadanan Menteri Besar Kelantan (PMBK).

GSM Awards

GSM has set up numerous awards for members as follows:

Honorary Membership - The GSM would confer Honorary Membership on Dato' H.K. Sia in recognition of his contribution to the geoscience fraternity, in particular, his strong support of the Society's activities in promoting excellence in economic geology in the 49th Annual General Meeting.

PGCE Student Excellence Award - There was no PGCE in 2015.

Best Student Awards - The Council did not receive any nomination for this award.

Young Geoscientist Award - The Council did not receive any nomination for this award.

Geoscientist Award - The Council did not receive any nomination for this award.

Linkages and Collaborations

GSM maintained linkages with national and international institutions such as:

- Institute of Geology Malaysia
- Confederation of Scientific and Technological Association of Malaysia (COSTAM) – represented by two Council members: Mr. Tan Boon Kong and Mr. Nicholas Jacob
- Formation Evaluation Society Malaysia (FESM)
- American Association of Petroleum Geology (AAPG)
- AAPG House of Delegates: represented by Dr. Mazlan Madon of PETRONAS. Mr. Askury Abd. Kadir of University Teknologi Petronas is the alternative representative
- EAGE
- Academy of Sciences Malaysia, specifically the Committee on Linkage with S&T Organisations and Professional Bodies
- The President represents GSM in the ASM
- GEOSEA
 - GSM is the present host of the permanent Secretariat
 - During the GEOSEA 2014 in Myanmar, IAGI offered to host the next GEOSEA in Indonesia in 2016.

For the Student's Geological Club Collaboration, only AAPG Student Chapter of University of Malaya is collaborating with GSM at present.

Acknowledgement

The Society would like to record its utmost appreciation to all the individuals and organisations in organising the Society's numerous activities during the session. Special mention must be made of the tremendous support by the Head and staff of the Geology Department, University of Malaya especially in the use of its premises for most of the Society's meetings and activities. The continued co-operation and support extended by JMG, PETRONAS, UKM, UMS, UTP and IGM is recorded with gratitude. The unwavering support of Ms. Anna Lee in the administration of GSM is also very much appreciated. Last but not least, the Council also wishes to record its appreciation to all GSM members for their advice, guidance and support throughout the session.

LIM CHOUN SIAN

Secretary 2014/2015

Geological Society of Malaysia

ASSISTANT SECRETARY'S REPORT 2014

The sales of the Society publications and the list of organizations and institutions that were exchanging publications with GSM are presented in the following table.

Sales and stock of publications for 2014

Publications	Sales 2014	Stock remaining by end of 2013	Stock remaining by end of 2014
Bulletin 2	0	175	175
Bulletin 3	1	154	153
Bulletin 4	1	68	67
Bulletin 6	1	390	389
Bulletin 7	1	246	245
Bulletin 13	2	4	2
Bulletin 17	0	0	0
Bulletin 18	0	0	0
Bulletin 19	3	370	367
Bulletin 20	3	326	323
Bulletin 21	2	124	122
Bulletin 22	2	200	198
Bulletin 23	2	213	211
Bulletin 24	2	372	370
Bulletin 25	2	81	79
Bulletin 26	2	181	179
Bulletin 27	3	55	52
Bulletin 28	2	100	98
Bulletin 29	3	102	101
Bulletin 30	0	110	110
Bulletin 31	2	105	103
Bulletin 32	2	80	78
Bulletin 33	2	237	235
Bulletin 34	1	59	58
Bulletin 35	0	0	0
Bulletin 36	2	96	94
Bulletin 37	4	150	146
Bulletin 38	3	222	212
Bulletin 39	0	0	0
Bulletin 40	3	79	76
Bulletin 42	2	19	17
Bulletin 43	4	131	127
Bulletin 44	49	96	47
Bulletin 45	15	105	95
Bulletin 46	19	19	0
Bulletin 47	4	45	40

Publications	Sales 2014	Stock remaining by end of 2013	Stock remaining by end of 2014
Bulletin 48	10	52	42
Bulletin 49	9	309	300
Bulletin 50	5	337	332
Bulletin 51	18	235	217
Bulletin 52	6	231	225
Bulletin 53	7	329	322
Bulletin 54	8	281	273
Bulletin 55	5	301	296
Bulletin 56	9	357	348
Bulletin 57	12	75	63
Bulletin 58	2	23	21
Bulletin 59	537*	-	113
Abstract (Bull 6)	0	0	0
Proceeding AGC 2000	2	19	17
Proceeding AGC 2001	10	142	132
M'sian Stratigraphic guide	166	223	57
Lexicon of stratigraphy	17	38	21
Stratigraphic correlation	0	0	0
Rocks poster	0	0	0
Geology of Borneo (CD)	70	177	107
Geology of Borneo (Map)	34	812	778
Tectonic Evolution of SEAsia	83	780	697
Geology of P. Malaysia	168	904	736

* inclusive of free copies to members

List of organizations and institutions that are exchanging publications with GSM

Item	Organization	Country
1	New South Wales Dept of Mineral Resources	Australia
2	Geologica Belgica a.s.b.I	Belgium
3	Ministry of Development	Brunei
4	University of Geosciences	China
5	The Episode	China
6	Nanking Institute of Geology	China
7	National Geological Library	China
8	Peking College of Geology	China
9	SOPAC Secretariat	Fiji
10	Suomalaineu Tiedeakatemia	Finland
11	Freie Universitat Berlin	Germany
12	National Museum of Natural History	Holland
13	Geological Society of Japan	Japan

PERTEMUAN PERSATUAN (MEETINGS OF THE SOCIETY)

14	Dept Mineral & Planetary Science, Hiroshima	Japan
15	Museum of Nature & Human Activities	Japan
16	National Science Museum	Japan
17	Natural History Museum and Institute	Japan
18	Institute of Geosciences	Japan
19	Geological Society of Korea	Korea
20	Dewan Bahasa dan Pustaka	Malaysia
21	Minerals and Geoscience Department Malaysia, Headquarters	Malaysia
22	Minerals and Geoscience Department Malaysia, Ipoh	Malaysia
23	Minerals and Geoscience Department Malaysia, Kuching	Malaysia
24	Minerals and Geoscience Department Malaysia, Kota Kinabalu	Malaysia
25	Kementerian Dalam Negeri	Malaysia
26	Perpustakaan Negara Malaysia	Malaysia
27	Library PETRONAS Berhad	Malaysia
28	Pusat Sumber Maklumat Negeri Sarawak	Malaysia
29	Perpustakaan Tun Sri Lanang, UKM	Malaysia
30	Program Geologi, UKM	Malaysia
31	Library, UM	Malaysia
32	Library, USM	Malaysia
33	Malaysian Institute of Nuclear Technology	Malaysia
34	Library of Congress, USA Embassy	Malaysia
35	Institute of Ecological & Nuclear Science	New Zealand
36	National Library	Singapore
37	Central Geological Survey	Taiwan
38	American Museum of Natural History, New York	USA
39	CIGESE Library	USA
40	Oklahoma Geological Survey	USA
41	US Geological Survey	USA
42	University of Kansas	USA
43	AAPG Foundation Library	USA
44	Faculty of Agriculture & Natural Resources, Africa University	Zimbabwe

NICHOLAS JACOB

Assistant Secretary 2014/2015

Geological Society of Malaysia

EDITOR'S REPORT 2014

Two issues of *Warta Geologi*: Volume 40, Issue 1 & 2 and Issue 3 & 4 were published for the year 2014. The 60th volume of the *GSM Bulletin* is a special issue in memoriam of Charles S. Hutchison edited by guest editor Dr. Lee Chai Peng.

All *GSM* bulletins, *Warta Geologi* and *GSM* newsletters are now available online from the *GSM* official website (gsm.org.my). These publications are also available at an alternative website (gsmpubl.wordpress.com).

The Society is grateful to authors for their contribution, and guest editor, members of the editorial board and reviewers for their time and effort to improve the quality of the Society's publications. I would like to take this opportunity to thank Anna Lee for scanning *GSM* publications, Wong Yien Lim for converting the scanned images into text and Wan Aida Wan Zahari for checking and uploading the publications into *GSM* website.

Ng Tham Fatt

Editor 2014/2015

Geological Society of Malaysia

TREASURER'S REPORT 2014

For the Financial Year 2014, the Society posted a slight financial deficit of RM 2,202.00 compared to a surplus of RM 739,210.00 in year 2013. The net current asset at RM 2,478,186.00, showed an increase from RM 2,421,933.00 for year 2013.

Operating revenue for year 2014 posted lower, with a total income of RM 115,808.00 compared to RM 831,033.00 for year 2013. The absence of Petroleum Geology Conference & Exhibition (PGCE) on year 2014 has had a tremendous impact on revenue, but slightly balanced by leftover payments from the previous PGCE 2013, which amounted to a net total collection of RM 33,000.00. The revenue posted for Subscription shows lower value from RM 22,800.00 of year 2013 to RM 17,761.00, Sales of the "Geology of Peninsular Malaysia" book posted RM 12,135.00, the income for National Geoscience Conference (NGC) posted nett of RM 14,479.00, which is accumulated from NGC 2014 hosted by University Malaysia Terengganu and the balance from previous NGC 2013 held in Ipoh. Sales of publications posted RM 1,656.00, which is lower compared to RM 2,994.00 for year 2013. Entrance fee revenue posted RM 1,120.00, slightly higher compared to year 2013 of RM 700.00. There is a slightly lower revenue of interest from fixed deposit of RM 28,462.00 for year 2014 compare to RM 35,209.00 for 2013.

Total operating expenditure for Financial Year 2014 was slightly higher from RM 91,823.00 for year 2013 to RM 118,010.00. The main expenses contributing to the increase are honorarium from RM 23,460.00 of 2013 to RM 39,650.00 for year 2014, sponsorship of the GEOSEA Myanmar 2014 of RM 17,570.00 and balance expenses of NGC 2014 of RM 8,506.00. Nevertheless expenses of society AGM and Annual Dinner 2012, postages, and printing of *Warta Geologi*, posted lower while sundry expenses of website maintenance, office printing and stationary post saving of total RM 7,721.00 compared to RM 17,389.00 for year 2013.

For year 2014, the GSM Endowment Fund held as fixed deposit (FD) in UOB Bank, has a total amount of RM 1,084,157.00, showing an increase by RM 50,000.00 donation courtesy from Dato' HK Sia of Malaco Group of Companies as well as an accrued interest of RM 34,157.00.

The Hon. Treasure would like to express his great appreciation to all members of the organizing committee of NGC 2014 led by chairman Dr. Peter Robertson Parham for his support and for having successfully managed a self-funded conference. Last but not least, to Dato' HK Sia on his generous contribution, as well as rest of the donors and sponsors, on their contributions and support throughout the year.

AHMAD NIZAM HASAN
Treasurer 2014/2015
Geological Society of Malaysia

**PERSATUAN GEOLOGI MALAYSIA
(GEOLOGICAL SOCIETY OF MALAYSIA)
(Registered in Malaysia)**

**REPORT AND ACCOUNTS
31 DECEMBER 2014**

**S.F. LEE & CO.
CHARTERED ACCOUNTANTS**

**PERSATUAN GEOLOGI MALAYSIA
(GEOLOGICAL SOCIETY OF MALAYSIA)
(Registered in Malaysia)**

**REPORT AND ACCOUNTS
31 DECEMBER 2014**

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**PERSATUAN GEOLOGI MALAYSIA
(GEOLOGICAL SOCIETY OF MALAYSIA)
(Registered in Malaysia)**

MEMBERS INFORMATION

President	:	Dr. Mazlan Madon (PETRONAS)
Vice President	:	Mr. Abd Rasid Jaapar (Asian Geos)
Immediate Past President	:	Prof. Dr. Joy Jacqueline Pereira (UKM)
Secretary	:	Mr. Lim Choun Sian (UKM)
Assistant Secretary	:	Mr. Nicholas Jacob (JKR)
Treasurer	:	Mr. Ahmad Nizam Hasan (GeoSolution Resources)
Editor	:	Associate Prof. Dr. Ng Tham Fatt (UM)
(2014/2016)	:	Mr. Tan Boon Kong (Consultant)
	:	Dr. Nur Iskandar Taib (UM)
	:	Dr. Tanot Unjah (UKM)
	:	Dr. Samsudin Hj Taib (UM)
Councillors (2015/2017)	:	Dr. Meor Hakif Amir Hassan (UM)
	:	Mr. Robert Wong (PETRONAS)
	:	Mr. Askury Abd Kadir (UTP)
	:	(Vacant)

PERSATUAN GEOLOGI MALAYSIA (GEOLOGICAL SOCIETY OF MALAYSIA)
STATEMENT BY THE COUNCIL

We, Mazlan Madon and Ahmad Nizam Hasan, being the President and Treasurer respectively, of the Persatuan Geologi Malaysia (Geological Society Of Malaysia) do hereby state that, in the opinion of the Council, the financial statements set out pages 4 to 9 are properly drawn up in accordance with applicable approved accounting standards so as to give a true and fair view of the financial position of the Persatuan Geologi Malaysia (Geological Society of Malaysia) as at 31 December 2014, and of the result and cash flows for the year then ended.



Mazlan Madon
President



Ahmad Nizam Hasan
Treasurer

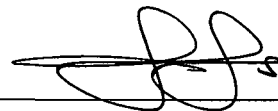
Kuala Lumpur

Dated : **07 APR 2015**

PERSATUAN GEOLOGI MALAYSIA (GEOLOGICAL SOCIETY OF MALAYSIA)
DECLARATION BY THE OFFICER PRIMARILY RESPONSIBLE FOR THE
FINANCIAL MANAGEMENT OF THE SOCIETY

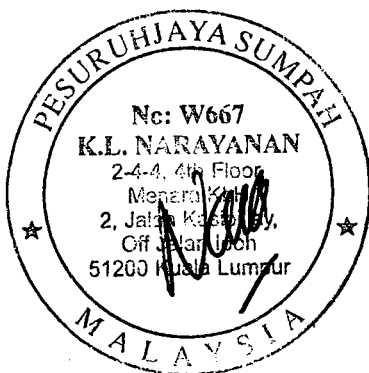
I, Ahmad Nizam Hasan, the officer primarily responsible for the financial management of the Persatuan Geologi Malaysia (Geological Society Of Malaysia), do solemnly and sincerely declare that the accompanying financial statements set out on pages 4 to 9 are, to the best of my knowledge and belief correct, and I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the Statutory Declarations Act, 1960.

Subscribed and solemnly declared by)
the abovenamed Ahmad Nizam Hasan)
at Kuala Lumpur in Wilayah Persekutuan)
on **07 APR 2015**)



Ahmad Nizam Hasan

Before me,



Commissioner for Oaths



S.F. LEE & CO (AF : 0670)


REPORT OF THE AUDITORS TO MEMBERS OF THE
 PERSATUAN GEOLOGI MALAYSIA (GEOLOGICAL SOCIETY OF MALAYSIA)

We have audited the financial statements set out on pages 4 to 9. These financial statements are the responsibility of the Council Members of the Society. It is our responsibility to form an independent opinion, based on our audit, on those financial statements and to report our opinion to you, as a body, and for no other purpose. We do not assume responsibility to any other person for the content of this report.

We conducted our audit in accordance with approved auditing standards in Malaysia. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the Council Members, as well as evaluating the overall financial statements presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements give a true and fair view of the statement of assets and liabilities of the Society as at 31 December 2014 and of its statement of income and expenditure and cash flows for the financial year ended 31 December 2014 in accordance with the MASB approved accounting standards in Malaysia.


 S.F. LEE & CO. (AF 0670)
 Chartered Accountants


 LEE SIEW FATT
 (1179/9/16J)
 Chartered Accountant

Kuala Lumpur

Date : **07 APR 2015**

**PERSATUAN GEOLOGI MALAYSIA
(GEOLOGICAL SOCIETY OF MALAYSIA)
(Registered in Malaysia)**

STATEMENT OF ASSETS AND LIABILITIES AS AT 31 DECEMBER 2014

	Note	2014 RM	2013 RM
FUND ACCOUNTS			
GENERAL FUND	3	1,381,685	1,399,068
ENDOWMENT FUND	4	1,084,157	1,010,458
ECONOMIC GEOLOGY WORKSHOP FUND		3,000	3,000
STUDENT LOAN FUND		656	656
YOUNG GEOSCIENTIST AWARD FUND		3,143	3,143
AAPG-UM STUDENT CHAPTER FUND		5,545	5,608
		<u>2,478,186</u>	<u>2,421,933</u>
Represented by:			
NON-CURRENT ASSETS			
PROPERTY, PLANT AND EQUIPMENT	5	18,664	20,894
CURRENT ASSETS			
Inventories	6	8,178	23,455
Deposits		600	600
Fixed deposits with licensed bank	7	2,142,535	1,696,876
Cash and bank balances		522,000	717,538
		<u>2,673,313</u>	<u>2,438,469</u>
CURRENT LIABILITIES			
Other payables		213,791	37,430
NET CURRENT ASSETS			
		2,459,522	2,401,039
		<u>2,478,186</u>	<u>2,421,933</u>

The accompanying notes are an integral part of the financial statements

PERSATUAN GEOLOGI MALAYSIA
(Registered in Malaysia)

STATEMENT OF INCOME AND EXPENDITURE FOR THE YEAR ENDED
31 DECEMBER 2014

INCOME	2014	2013
	RM	RM
Entrance fee	1,120	700
Fixed deposits interest income	28,462	35,209
Subscription	17,761	22,800
Sales of publications	1,656	2,994
Petroleum Geology Conference	33,000	742,323
Short course : Jan de Jager	6,535	-
Geology of Peninsular Malaysia	12,135	15,590
National Geoscience Conference	14,479	11,417
Working Groups	660	-
	<u>115,808</u>	<u>831,033</u>
 EXPENDITURE		
Annual dinner	3,008	3,030
Audit fee	1,200	1,200
Bank charges	99	85
Depreciation on property, plant and equipment	2,230	2,517
Geosea	17,570	-
Honorarium	39,650	23,460
Income tax	848	848
National Geoscience Conference	8,506	-
Petroleum Geology Conference and Exhibition (PGCE)	954	-
Photocopy expenses	459	136
Postages	3,562	5,788
Printing and Stationery		
- Warta Geologi	11,675	15,375
- Bulletin	12,750	11,060
Refreshment	778	1,453
Speakers' account	5,337	5,632
Subscription to COSTAM	100	100
Sundry expenses	7,721	17,389
Short course	-	1,347
Students' award	-	1,000
Telefax	619	460
Telephone	944	943
	<u>118,010</u>	<u>91,823</u>
Net (deficit) / surplus for the year	<u>(2,202)</u>	<u>739,210</u>

PERSATUAN GEOLOGI MALAYSIA
(Registered in Malaysia)

CASH FLOW STATEMENT FOR THE YEAR ENDED 31 DECEMBER 2014

	2014 RM	2013 RM
Cash flows from operating activities		
(Deficit) / Surplus of income over expenditure for the year	(2,202)	739,210
Adjustments for:-		
Depreciation on property, plant & equipment	2,230	2,517
Interest income	(28,462)	(35,209)
(Deficit) / Surplus before working capital changes	(28,434)	706,518
Increase in Endowment Fund	73,699	-
Increase in Economic Geology Workshop Fund	-	3,000
(Decrease) / Increase in National Geology Fund	(15,181)	9,142
Increase in Petroleum Geology Fund	-	(1,732,977)
Decrease in inventories	15,277	6,935
Decrease in AAPG-UM Student Chapter Fund	(63)	(157)
Decrease in National Geoscience Conference	-	(878)
Increase / (Decrease) in other payable	176,361	(15,219)
Cash generated from / (used in) operations	221,659	(1,023,636)
Interest income	28,462	35,209
Net cash generated from / (used in) operating activities	250,121	(988,427)
Net increase / (decrease) in cash and cash equivalents	250,121	(988,427)
Cash and cash equivalents at beginning of the year	2,414,414	3,402,841
Cash and cash equivalents at end of the year	2,664,535	2,414,414
Cash and cash equivalents comprised of:		
Deposits held with licensed banks	2,142,535	1,696,876
Cash and bank balances	522,000	717,538
	2,664,535	2,414,414

PERSATUAN GEOLOGI MALAYSIA
(Registered in Malaysia)

NOTES TO THE FINANCIAL STATEMENTS - 31 DECEMBER 2014

1. PRINCIPAL OBJECTIVES

The objective of the Society is to promote the advancement of the geological sciences in Malaysia.

2. ACCOUNTING POLICIES

(a) Basic of Accounting

The financial statements have been prepared under the historical cost convention and comply with applicable Approved Accounting Standards issued by the Malaysian Association Standards Board.

(b) Property, Plant and Equipment

Property, plant and equipment is stated at historical cost less accumulated depreciation. Depreciation on property, plant and equipment is computed on the reducing balance basis calculated to write-off the cost of the assets over their estimated useful lives.

The principal annual rates used are:-

Office equipment	10%
Information technology equipment	20%

The carrying values of the assets are reviewed for impairment when there is an indication that the assets might be impaired. Impairment is measured by comparing the carrying values of the assets with their recoverable amounts.

An impairment loss is charged to the income and expenditure account immediately, unless the asset is carried at revalued amount. Any impairment loss of a revalued asset is treated as a revaluation decrease to the extent of previously recognised revaluation surplus for the same asset.

Subsequent increase in the recoverable amount of an asset is treated as reversal of the previous impairment loss and is recognised to the extent of the carrying amount of the asset that would have been determined (net of amortisation and depreciation) had no impairment loss been recognised. The reversal is recognised in the income statement immediately, unless the asset is carried at revalued amount.

c) INVENTORIES

Inventories consists of compass and maps valued at the lower of cost and net realizable value.

**PERSATUAN GEOLOGI MALAYSIA
(Registered in Malaysia)**

d) INCOME RECOGNITION

Membership subscription is payable annually at the beginning of the financial year. All subscriptions received during the financial year are recognised as income.

Income from sale of publications is recognised upon delivery of goods.

Income from organising conference is recognised on received and receivable basis.

Fixed deposit interest income is recognised on an accrual basis.

3. GENERAL FUND	2014 RM	2013 RM
At 1 January	1,383,887	659,858
Net (deficit) / surplus for the year	(2,202)	739,210
At 31 December	<u>1,381,685</u>	<u>1,399,068</u>

4. ENDOWMENT FUND	2014 RM	2013 RM
As at 1 January	1,010,458	600,000
Add : Donation	50,000	400,000
Fixed deposit interest income	23,699	10,458
As at 31 December	<u>1,084,157</u>	<u>1,010,458</u>

5. PROPERTY, PLANT AND EQUIPMENT

	Cost			Balance at 31/12/2014 RM
	Balance at 1/1/2014 RM	Additions RM	Disposal RM	
Office equipment	132,175	-	-	132,175
Information technology equipment	5,078	-	-	5,078
	<u>137,253</u>	<u>-</u>	<u>-</u>	<u>137,253</u>

	Accumulated depreciation			Balance at 31/12/2014 RM
	Balance at 1/1/2014 RM	Charge for the year RM	Disposal RM	
Office equipment	112,690	1,948	-	114,638
Information technology equipment	3,669	282	-	3,951
	<u>116,359</u>	<u>2,230</u>	<u>-</u>	<u>118,589</u>

**PERSATUAN GEOLOGI MALAYSIA
(Registered in Malaysia)**

<u>Net Carrying Amount</u>	2014	2013
	RM	RM
Office equipment	17,537	19,485
Information technology equipment	1,127	1,409
	<u>18,664</u>	<u>20,894</u>

6. INVENTORIES	2014	2013
	RM	RM
Maps	1,613	2,345
Compass	4,818	8,818
Magazines	1,747	12,292
	<u>8,178</u>	<u>23,455</u>

7. FIXED DEPOSITS WITH LICENSED BANK

The fixed deposits with licensed bank have a maturity of between 6 to 15 months (2013 : 3 to 15 months). Interest rates for the deposits ranged from 2.85% to 2.95% (2013 : 3.05% to 5%) per annum.

8. RECLASSIFICATION OF ACCOUNTS

Statement of Assets and Liabilities

<u>2013</u>		
<u>Funds</u>	<u>As reported</u>	<u>As stated</u>
General Fund	2,394,345	1,383,888
Endowment Fund	-	1,010,458
Formation Evaluation Working Group Fund	37,163	-
National Geoscience Conference Fund	15,181	-
Other payables	267	37,430
	<u>267</u>	<u>37,430</u>

Follow-Up on Elimination of Sabah Pre-Cretaceous in GSM Tate (2002) Geology of Borneo Island Map by K.M.Leong

Follow-Up on Elimination of Sabah Pre-Cretaceous in GSM Tate (2002) Geology of Borneo Island Map (include GSM Lee et al 2004, Allaguru et al 2003) by K.M.Leong (Constitution allows geological presentation at AGM)

Note is prompted by Member Mr Chin Lik Suan serious concern/comment in email dated 30 April 2014 on sales of stand-alone GSM Tate (2002) following AGM 2014, which I fully support and request Council response:- The matter must be resolved as there is possibility of civil action being initiated by aggrieved purchasers of GSM Map (Tate 2002). JMG being the authority should contact GSM to resolve the matter or GSM cease sales of such map.

- The case is on selective data omission. The implication is very serious. Selective Data Omission is suppression of material evidence, serious matter.

Background

- In brief, Sabah Jurassic/Triassic or older Crystalline Basement had been altered to Cretaceous crystalline basement in GSM Tate (2002) resulting in the elimination of Sabah Pre-Cretaceous Geology.
- GSM Tate (2002) had omitted the latest Jurassic radiometric age determined from granite in Ulu Segama Sabah and other data in Graves et al (2000). Graves et al (2000) had reaffirmed minimum Jurassic age of Sabah granitic rocks in GS/JMG Geological Maps of Sabah (Wilford 1967; Lim 1985): The oldest K:Ar age determined from a granitoid... is 210 Ma \pm 3 Ma (Early Jurassic)(Leong 1974). We have added some additional dating, which supports a Jurassic age. The acidic rocks belong to calc alkaline series..and could not have been derived the ophiolites.
- Late UM Emeritus Professor Dr. C. S. Hutchison, as an author of Graves et al (2000), from the statement: We have added some additional dating which supports a Jurassic age had, prior to GSM Tate (2002), changed direction and made a U-turn from denouncement to support of Sabah 210 Ma K:Ar radiometric age. The U-turn by C.S.Hutchison meant Cretaceous ophiolites as Sabah oldest, basis of Tectogene Hypothesis in Hutchison (1968) (1966 Ph.D., UM); and denouncement of 210 Ma K:Ar age in GSM 1996 Hutchison (1989)-(Leong 1998, 2009; Milsom and Holt 2001) were no longer valid.
- However, Cretaceous ophiolites as Sabah oldest resuscitated in GSM Tate (2002) as well as in Allaguru et al (2003) and GSM Lee et al (2004) meant these 3 publications had selectively omitted latest Jurassic radiometric age from granite in Graves, (Hutchison) et al (2000), without new evidence from field work (ground truth) on granitic rocks in Upper Segama, new radiometric dates of granites, and without refuting Graves, (Hutchison) et al (2000).

Additional Background

- In GSM Tate (2002), Geology of Borneo Island Map, Sabah Pre-Cretaceous Geology had been eliminated. Jurassic/Triassic or older Crystalline Basement of granite, granodiorite, tonalite, and metamorphic rocks shown on Geological Survey of Malaysia GS, Mineral and Geosciences JMG Geological Maps of Sabah (Wilford 1967; Lim 1985) had been altered to 'Cretaceous crystalline basement' as Sabah oldest by omission of minimum Jurassic granites.
- GSM Tate (2002) 'Cretaceous crystalline basement' had 'lumped Sabah Crystalline Basement Jurassic/Triassic or older granite, tonalite and metamorphic rocks with Cretaceous radiolarian chert, Cretaceous limestone, basalt, spilite, gabbro, serpentinite.

Election of Honorary Membership



Dr. Madzlan Madon, GSM President presenting the Honorary Membership Certificate to Dato' Sia Hock Kiang.

ANNOUNCEMENT OF NEW COUNCIL FOR 2015/2016

Upon the closing of nominations, only single nominations were received respectively for the positions of President, Vice President, Secretary, Treasurer, Assistant Secretary and Editor, and there were three nominations for the four 2-year Councillor positions.

The Council for 2014/2015:

President	:	Dr. Mazlan Madon (PETRONAS)
Vice-President	:	Mr. Abd Rasid Jaapar (Asian Geos)
Imm. Past President	:	Prof. Dr. Joy Jacqueline Pereira (UKM)
Secretary	:	Mr. Lim Choun Sian (UKM)
Assistant Secretary	:	Mr. Nicholas Jacob (JKR)
Treasurer	:	Mr. Ahmad Nizam Hasan (GeoSolution Resources)
Editor	:	Associate Prof. Dr. Ng Tham Fatt (UM)
Councillors (2 years)	:	Mr. Tan Boon Kong (Consultant)
2016/2018		Dr. Nur Iskandar Taib (UM)
		Dr. Tanot Unjah (UKM)
		Dr. Jasmi Hafiz Abdul Aziz (UM)
Councillors (1 year)	:	Dr. Meor Hakif Amir Hassan (UM)
2015/2016		Mr. Robert Wong (PETRONAS)
		Mr. Mohd Badzran Mat Taib (JMG)
		Assoc. Prof. Askury Abd Kadir (UTP)

GSM ENDOWMENT FUND: BOARD OF TRUSTEES REPORT FOR THE 49TH ANNUAL GENERAL MEETING OF THE GEOLOGICAL SOCIETY OF MALAYSIA

Background

1. The 46th Annual General Meeting in 2012 approved the proposal of the Council of the Geological Society of Malaysia to create the "PGCE Endowment Fund" that will be administered by GSM in a separate account, where the principal sum remains in perpetuity with the interest to be used to build capacity in petroleum geoscience.
2. The 47th AGM in 2013 endorsed the Terms of Reference prepared by Advocates and Solicitors, Messrs Yeap, Yong and Amy. The AGM also agreed that (i) "PGCE Endowment Fund" be renamed the "GSM Endowment Fund"; (ii) the Council obtain "tax deductible" status to encourage donations directly into the "GSM Endowment Fund"; (iii) and that the interest portion accrued, be used to meet expenses incurred in the implementation of programmes run by the Society [See Appendix 1].
3. The 48th AGM in 2014 approved an amendment to the Terms of Reference to provide for the establishment of the "Board of Trustees of the GSM Endowment Fund", whose members shall comprise the President, Immediate Past President, Secretary, Treasurer, Editor and at least three independent Full Members "in good standing", to be appointed at the AGM [See Appendix 2].
4. The 48th AGM also appointed Dato' Yunus Abd Razak as Chairman of the Board. Members comprise GSM President, Immediate Past President, Secretary, Treasurer and Editor as well as GSM Members Dato' H.K. Sia, Datuk Fateh Chand and Mr. Ahmad Said for a period of three years (2014-2017). The Board will meet at least once a year to scrutinise the administration of the GSM Endowment Fund, to ensure that the terms of reference are adhered to, and to approve the annual report prepared for the AGM thereafter.

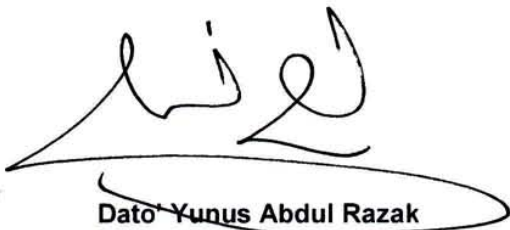
Report of the Board of Trustees

5. This report covers the period since the 48th AGM to 9 April 2015, when the Board of Trustees met to scrutinise the administration of the GSM Endowment Fund. The meeting was chaired by Dato' Yunus Abd Razak. Members in attendance were GSM President, Dr. Mazlan Madon; Immediate Past President, Prof. Joy Jacqueline Pereira; Secretary, Mr. Lim Choun Sian; Editor, Assoc. Prof. Dr. Ng Tham Fatt; and GSM Members Dato' H.K. Sia and Datuk Fateh Chand.
6. A separate account has been opened at United Overseas Bank Malaysia (UOBM). As of 31 December 2014, the statement from UOBM indicates that principal amount totals RM 1,050,000.00. Contributions comprise RM 900,000.00 from PGCE; RM 100,000 from GSM and RM 50,000 from Malaco Group of Companies (Dato' HK Sia). The interest accrued as of 31 December 2014 is RM 34,157.06.
7. The interest portion accrued has not been utilised to-date. The interest is kept in a GSM current account at UOBM (which is separate from the operational account of GSM at the Standard Chartered Bank Bhd).

Recommendations to the 49th AGM of the GSM

8. The Board of Trustees of the GSM Endowment Fund makes the following recommendation to be considered by the 49th AGM of the GSM to be held on 24 April 2015 in Department of Geology, University of Malaya:-
 - i. The In-Coming GSM Council be requested to appoint a tax consultant to obtain "tax deductible" status of GSM to inform potential donors on the tax deductible status of their donation;
 - ii. The In-Coming GSM Council prepare an annual budget proposal for the Endowment Fund, covering programmes specified in the 48th GSM AGM (see Appendix 2) to be tabled for endorsement by the Board of Trustees;
 - iii. The In-Coming GSM Council be encouraged to increase the principal amount in the GSM Endowment Fund through fund raising activities; and
 - iv. The In-Coming GSM Council to consider transferring a portion of the fixed deposit of the GSM operating account to the Endowment Fund to increase the principal amount.

9. On behalf of the Board of Trustees, I declare that I am satisfied that the GSM Endowment Fund is being administered in a satisfactory manner and that the terms of reference are adhered to. I hereby approve the report prepared for the 49th AGM of the GSM.



Dato' Yunus Abdul Razak
Chairman
Board of Trustees of the GSM Endowment Fund
Geological Society of Malaysia
9 April 2015

**Extract of the Minutes of the 47th Annual General Meeting (AGM)
5 April 2013, Eastin Hotel, Petaling Jaya**

6.1 GSM Endowment Fund

The President tabled the Terms of Reference for the GSM Endowment Fund (Appendix 5) for endorsement. The AGM unanimously endorsed the Terms of Reference for GSM Endowment Fund. [See Appendix 5 below].

TERMS OF REFERENCE FOR GSM SPECIAL ENDOWMENT FUND

1. The Geological Society of Malaysia (hereinafter referred to as "the Society") shall maintain a GSM Endowment Fund (hereinafter referred to as "the fund") subject to the approval of a majority of the members of the Society present at the next Annual General Meeting of the Society.
2. If such approval shall be forthcoming, an account shall be opened at an appropriate bank (hereinafter referred to as "the account") for the sum of RM600,000.00 (hereinafter referred to as the "the initial principal amount"), which shall remain the minimum amount to be kept in the account at all material times. The initial principal amount may be increased at the discretion of the Council Members of the Society, comprising the President, Immediate Past President, Secretary, Treasurer, Editor and three independent Full Members in good standing appointed at any AGM, who will serve in the Board of Trustees of the GSM Endowment Fund, subject to approval of a majority of members present at an Annual General Meeting of the Society. Appointment to the Board is for a period of three years and the Chairman of the Board will be appointed by the GSM Council. The Board will meet at least once a year to scrutinise the administration of the GSM Endowment Fund, ensure the terms of reference are adhered to and approve the report prepared for the AGM thereafter.
3. The fund shall be maintained in perpetuity and shall be overseen by the Council Members of the Society, who shall have the absolute discretion to withdraw the interest portion accruing from the account to meet expenses incurred in the implementation of programmes run by the Society.
4. The Council Members of the Society shall render an account of the fund to all members present at each Annual General Meeting of the Society.
5. The fund shall be subject to an annual audit and the findings reported by the Treasurer of the Society to the members present at each Annual General Meeting of the Society.
6. These Terms of Reference shall be legally binding and incorporated as part of the agenda of every Annual General Meeting of the Society, unless and until a majority of the members of the Society decide otherwise by ballot.

**Extract of the Minutes of the 48th Annual General Meeting (AGM)
25 April 2014, Department of Geology, University of Malaya, Kuala Lumpur**

7.1 GSM Endowment Fund

Joy Jacqueline Pereira tabled the GSM Endowment Fund's Implementation Proposal (Appendix 5) for approval. The AGM unanimously agreed to the following proposals:

- i. An amendment to the Terms of Reference prepared by Advocates and Solicitors, Messrs Yeap, Yong and Amy. The amendment is to provide for the establishment of the "Board of Trustees of the GSM Endowment Fund", whose members shall comprise the President, Immediate Past President, Secretary, Treasurer, Editor and at least three independent Full Members "in good standing", to be appointed at the AGM. Appointment of members to the Board is for a period of three years and the Chairman of the Board will be appointed by the GSM Council. The Board will meet at least once a year to scrutinise the administration of the GSM Endowment Fund, to ensure that the terms of reference are adhered to, and to approve the annual report prepared for the AGM thereafter.
- ii. To appoint the following persons as members of the Board of Trustees of the GSM Endowment Fund:-
 - Chairman: Dato' Yunus Abd Razak
 - GSM Council Members: GSM President, Immediate Past President, Secretary, Treasurer and Editor
 - GSM Members: Dato' H.K. Sia, Datuk Fateh Chand and Mr. Ahmad Said
- iii. To use the interest portion accrued, for the following items:-
 - Book prize and awards for students and geoscientists;
 - Scholarships for education and training;
 - Fellowships for capacity building, research and internships;
 - Honorarium for invited speakers and other contributors;
 - Community service and geoscience education and awareness;
 - Education and training workshops;
 - Organisation of scientific meetings;
 - Publication of scientific material;
 - Subscription and purchase of scientific publications; and
 - Any other activity deemed by the Council to enhance the objectives of GSM.
- iv. To engage a consultant to document the GSM tax deduction status so as to encourage donation from the public.

Action: Incoming Council

GSM-IGM Flagship on Geoscience to Action for Disaster Risk Reduction



INTRODUCTION

The “Science to Action” (S2A) initiative was inspired by the Honourable Prime Minister Dato’ Sri Mohd Najib Tun Haji Abdul Razak in 2013 to make science relevant for governance, industry and community well-being. The S2A is implemented by the Office of the Science Advisor to the Prime Minister. The combination of various actors drawing on socially acceptable science and technology could make a powerful contribution to support development in the country. The Geological Society of Malaysia and Institute of Geology Malaysia have jointly established the GSM-IGM Flagship on Geoscience to Action to mobilise coordinated measures in support of the S2A initiative.

GEOSCIENCE TO ACTION

The S2A offers an excellent opportunity to position geoscience knowledge as a driver of scientific enterprise, shifting the country to more sustainable pathways. The GSM-IGM Flagship aims to serve as a catalyst to incubate and market potential geoscience technology, tools and services that is relevant for governance, industry and community well-being. In the context of science for well-being, Geoscience to Action for Disaster Risk Reduction (G2A4DRR) would serve as the platform to mobilise coordinated measures underpinned by science to address the risks of climate related multi-hazards.

The G2A4DRR is supported by Universiti Kebangsaan Malaysia’s Southeast Asia Disaster Prevention Research Initiative (SEADPRI-UKM) and University Malaya’s Geology Department. SEADPRI-UKM has secured funds under the Newton-Ungku Omar Fund to work with partners from the United Kingdom on a one-year initiative. During this period, key researchers and practitioners working on urban geohazards will be brought together to start a conversation with financial entities and regulators on enhancing science-based decision making for managing risks in a changing climate. A series of technical meetings are planned to identify the status of multi-hazard assessments, relevant practices as well as divergence in knowledge, capacity and technology in the UK and Malaysia. In the context of geoscience, the focus is on professional development and identification of public-private partnership strategies to be implemented under the S2A Programme.

The role of GSM and IGM would be to facilitate the establishment of linkages between geoscience practitioners from the UK and Malaysia, to advance development of geoscience products and services suitable for local conditions. The G2A4DRR platform would be used to identify opportunities and initiate programmes for capacity building and professional development to be delivered in Malaysia initially and Southeast Asia in the long term.





INSTITUTIONAL LINKS

www.britishcouncil.org

Disaster Risk Reduction – The Emerging Market for Geoscience Entrepreneurs?

Date: 24 April 2015

Venue: Geology Department, University of Malaya

The discourse held on 24th April 2015 at the Department of Geology, University of Malaya before GSM's 49th AGM, is supported by the Newton-Ungku Omar Fund to lay the foundation for future activities under the aegis of the GSM-IGM Flagship on Geoscience to Action for Disaster Risk Reduction (G2A4DRR). The event was well attended by academician and practising geologists. The welcoming remark was delivered by Dr. Ng Tham Fatt on behalf of the Prof. Dr. Ismail Yusoff, Head, Department of Geology, UM. An informative overview of the Science to Action (S2A) initiative was presented by Dr. Kavintheran Thambiratnam, S2A Program Director and it was followed by a talk on the status of disaster risk reduction in Malaysia by Prof. Dr. Joy J. Pereira, Principal Research Fellow of SEADPRI-UKM.

In the discussion session, the focus was on strengthening capacity to address risks of cascading climate related hazards and supporting multi-hazard assessments. Issues discussed including:

- What are the issues that should be given priority to enhance informed policy and decision making and how can geoscience support this process?
- Where are the hazardous and exposed areas? How can geoscience contribute to reduce exposure?
- Where are the vulnerable communities? How can geoscience contribute to build community resilience?
- What are the exposed economic sectors and supply chains? How can geoscience contribute to support business continuity during disasters?
- How are questions such as “why is the climate changing” and “how much will sea-level rise” relevant to local level decision making?
- What is the present capacity among geoscientist for understanding current risks and incorporating disaster risk reduction in conventional plans that typically have a time horizon of 15-30 years?
- What is the present capacity among geoscientist for understanding long term risks and changes in the range of 50-100 years to support climate change adaptation?
- What mechanisms can be instituted to channel geoscience innovation to support disaster risk reduction and climate change adaptation at the local level?
- What are the current initiatives that could be scaled up to promote public private partnerships via multi- disciplinary and multi-sector consortiums under the G2A4DRR?

The closing remarks were delivered by Dato' Yunus Abdul Razak, President of IGM and Dr. Mazlan Madon, President of GSM.



Chairman's Lecture No. 20

Ground Evaluations for Hillside Development – Engineering Geology

Tan Boon Kong

8 January 2015

Department of Geology, University of Malaya

This Chairman's Lecture was delivered by Sdr. Tan Boon Kong on 8th Jan., 2015 at the Department of Geology, University of Malaya, Kuala Lumpur. This lecture was an extension of the talk presented at the IEM-IGM Forum on Hillside Developments, 16th Oct., 2014, Wisma IEM, P.J..

The lecture dealt with the Engineering Geologic factors that need to be considered in ground evaluations for hillside development, namely lithology, structure, and weathering. The talk was illustrated with numerous case studies involving rock slopes in housing development and highway projects. The types of rocks investigated include granite, limestone (as in limestone hills), graphitic schist and quartzite/phyllite (Kenny Hill formation).



Tan Boon Kong,

Chairman, W/G on Engineering Geology, Hydrogeology & Environmental Geology

CERAMAH TEKNIK TECHNICAL TALK

Hydrothermal Alteration of Cambro-Ordovician Carbonates of North America and Relevance to the Carbonates of SE Asia

Richard Bray (Carbonate Reservoir Consultant, SE Asia)

25 March 2015

Department of Geology, University of Malaya

Dr Richard Bray, a SE Asian carbonate reservoir consultant, and formerly a carbonate expert at PETRONAS Carigali presented the talk at the Mineralogy Laboratory of the Department of Geology, University of Malaya. The talk was attended by faculties and graduate students of the Geology Department and geologists from the industry.

Abstract: Hydrothermal carbonate rocks have a wide distribution in time and space. Nevertheless hydrothermal dolomite reservoirs are most commonly represented in North America. Hydrothermal alteration often is not recognized, distinguished or even considered in many hydrocarbon provinces worldwide. In this presentation, core and outcrop studies of carbonate rocks in North America identify discrete intervals of hydrothermal alteration with characteristic petrologic, petrographic and geochemical signatures. Hydrothermal alteration often overprints on a karst template and multiple episodes of karstic and hydrothermal events obscures the precise origin or origins of observed fabrics. The North American examples provide a guide and analogue for similar features distinguished in Paleozoic and Tertiary rocks on the surface and in the subsurface of Southeast Asia.

CERAMAH TEKNIK TECHNICAL TALK

Global Cooling – the Other Side of the Moon/Coin

Anizan Isahak (UKM)

4 February 2015

Department of Geology, University of Malaya

The talk was given by Assoc. Prof. Dr. Anizan Isahak (UKM) on 4th Feb., 2015 at the Department of Geology, University of Malaya, Kuala Lumpur. Sdri Anizan presented various interesting research data, sourced from the internet, which show evidence of global cooling (in contrast to global warming).

An abstract of the talk is attached, which also contains some relevant references.

Tan Boon Kong,

Chairman, W/G on Engineering Geology, Hydrogeology & Environmental Geology

Abstract: Throughout geological times climate change on Earth is predominantly a result of solar forcing variability as well as planetary orbit and alignment. The Sun's radiation which varies according to the solar cycles is a major driver of climate change. The effect of the Sun is amplified through several amplification mechanisms which includes cloud-albedo effect, atmospheric and ocean circulation acting synergistically to influence climate on Earth. The Sun also moderates the amount of galactic cosmic rays which has a direct effect on cloudiness. Studies are now pointing to an eventual cooling of the Earth due to the slowing down of the Sun's activity. The cyclical nature of the Sun's activity is evident in climate records at intervals of about 1000 years, 200 years, the Gleissberg cycle and other smaller cycles. In the tropics, the solar activity and the galactic cosmic ray flux appears to contribute to rainfall variability, as evidenced in the monsoon patterns of India, East Asia, Oman. Solar forcing is also causally connected to the sea surface temperature of central Pacific. Recent studies alludes to the quasi cyclical nature of the solar dynamo activity as having a role in influencing the cyclical nature of Earth's climate. The observed bicentennial decrease in both the total solar irradiation and the portion of its energy absorbed by the Earth as well as other lines of argument point to a Grand Minimum of the solar cycle and a possible deep cooling.

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PUBLIC TALK

Tracking Dinosaurs in Malaysia (Menjejaki Dinosaur di Malaysia)

Mohd Shafeea Leman

30 April 2015

Panggung Seni, Universiti Kebangsaan Malaysia

Prof. Dr. Mohd. Shafeea Leman, a distinguished Professor of Paleontology, recently presented his research work on *Menjejaki Dinosaur di Malaysia* 'Tracking Dinosaurs in Malaysia' during the 3rd LESTARI's UKM Seminar Series on the 30th April 2015, at Panggung Seni UKM. The Seminar, jointly organized with the Geological Heritage Group of Malaysia and the Geological Society of Malaysia, has attracted a number of participants from all walks of life in the university and surrounding community.

The 45-minute's talk delivered by Prof. Dr. Mohd. Shafeea Leman captured the audience attention about dinosaur research initiative in the country. Amongst the highlighted points of his presentation are importance of good connection between universities and agencies to support research work, particularly during expedition, exploration in new area and proper equipment for dinosaur excavation, and need to promote geology as a subject for better understanding of geological history in Malaysia and Earth History generally. He also addressed the distinction between geology and archeology during the question and answer session. Overall, it was a successful event that promotes awareness and outreach activities for local community to understand about universities' research work and introducing geology as an important discipline not only in mining and extraction but also in conservation and protection activities.

Tanot Unjah



Among the audience from various background and age.



Prof. Dr. Mohd Shafeea Leman delivering his talk on some of the finding from the dinosaur exploration.



Question and answer session includes question on dinosaur and subject related to dinosaur study. Here Dr. Aldrie Amir an ecologist from UKM.

NEW MEMBERSHIP

Full Member

1. Adam Lee Mun Loong
2. Delwar Hossain
3. Fatin Hamizah binti Samni
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Geological Society of Malaysia 50th Anniversary 1967 – 2017



In conjunction with GSM's 50th anniversary in January 2017, and upon request by members at the AGM 2015 on 24th April 2015, the council is planning to publish a special publication on the society's history and achievements (let's call it for the time being 'GSM50'), in addition to a special issue of the Bulletin (let's call it 'BSP50').

For the GSM50, the council would like to hear from you for ideas and contributions in the form of, e.g., short articles, stories, anecdotes, and photos that you may have about GSM and its activities over the years of your association with the society. Based on your contributions, we will be able to compile sufficient material to come up with GSM50 as a record of our achievements thus far.

For the BSP50, we invite members to submit technical articles to the special issue. We will also be inviting targeted members for review articles on various aspects of Malaysian geology based on our knowledge of their research work. The normal peer-review process will be followed.

To help us plan accordingly, we are eager to receive all material/manuscripts for GSM50 by **31 June 2016**.

For BSP50, we would appreciate it if you could confirm your intention to contribute an article, and a tentative title, by **15th October 2015**. We will inform keep you updated on the progress of this project. The proposed deadline for manuscript submission is also **31 June 2016**. This is to allow sufficient time for the review process and editorial work.

We hope to get both GSM50 and BSP50 published by the Annual General Meeting of the Society in April 2017.

Please send your contributions to the Editor at geologicalsociety@gmail.com

We thank you in advance for your contribution and support for this initiative.

Dr. Mazlan Madon

President

International Geo-Mapping Competition 2015 (IGC2015)

23 – 29 MARCH 2015, YOGYAKARTA, INDONESIA

Department of Geology, University of Malaya had been invited to participate in the International Geo-Mapping Competition 2015 (IGC2015), an event organised by HMTG FT-UGM (Himpunan Mahasiswa Teknik Geologi, Fakultas Teknik, Universitas Gadjah Mada). The IGC2015 is held annually and challenges the brightest undergraduate students in the ASEAN countries. The aim of this competition is to hone students' geological mapping skills, to provide opportunities for students to build friendships and to introduce Indonesian tourism and culture. The theme of the competition is - Reveal the Secret of the Earth and it was held on the 23rd of March until 29th March 2015 at Yogyakarta, Indonesia.

The competition consists of three parts which are (i) opening ceremony and preparation; (ii) three-day fieldwork, presentation, judgement and (iii) closing ceremony and tourism. 15 teams from Thailand, Malaysia and Indonesia participated in this competition which comprise of three students per team. They are Universitas Gadjah Mada (UGM), Institut Sains & Teknologi Yogyakarta (AKPRIND), Universitas Padjajaran, Sekolah Tinggi Teknologi Nasional Yogyakarta (STTNAS), Institut Teknologi Adhi Tama Surabaya (ITATS), Institut Teknologi Bandung (ITB), Universitas Trisakti, Universitas Diponegoro (UNDIP), Universitas Jenderal Soedirman (UNSOED), Universitas Pembangunan Nasional 'Veteran' Yogyakarta (UPN), Universitas Ottow & Geissler Jayapura, Universiti Malaya (UM), Universiti Kebangsaan Malaysia (UKM), Universiti Malaysia Kelantan (UMK) and Chulalongkorn University.

The opening ceremony of IGC2015 was held at Kantor Pusat Fakultas Teknik (KPFT) UGM, Yogyakarta. The participants were welcomed with a flower necklace called 'Sinden' and later on we were entertained with a traditional Balinese dance. There were some short speeches given by Rizky Wahyu Utama (Chief of IGC2015) and Mr Hafizhan Abidin Setyowiyoto (Head of HMTG FT-UGM). The event was officially opened by Mr. Sugeng Sapto Surjono upon the beating of the 'gong'. Afterwards we were given a regional geology review by Prof. Wartono Rahardjo. A technical meeting was done later to know the rules and regulation of the competition. To maintain the integrity of the competition, our mobile phones, laptops and references were taken away. Draws were taken during this meeting to determine our study area. Each teams were then taken to the base camp of their respective study area and each base camp serves two teams. UM team were placed with ITATS.

Data collection was carried out during the three-day fieldwork which was from the 24th to the 26th of March. It was done strictly within 0700 to 1600 hours during the day and data analysis was done within 1900 to 2200 hours at night. Throughout data collection at the field, we were accompanied by a liaison officer. Our study area covers the area of Tancep, Bendung and Jurang Jero. It is located at the Northern part of the Southern Mountain Zone, which covers an area of 4km². The study area composed of four rock units – andesitic breccia, limestone, interbed of tuffaceous sandstone with tuff and recent sediment of which can be interpreted as Kebo-Butak Formation, Semilir Formation, Sambipitui, Quaternary Clay respectively as reported by Toha et al. (1994). Fieldwork was challenging and exciting at the same time, coming from us who had little exposure on volcanoclastic sediments.

After our fieldwork on the 3rd day, we were then brought to Hotel Taman Eden 2 to continue the analysis and interpretation of the data in order to produce a poster, presentation slides and narration that represent our results. Work must only be carried in the allocated time and results were to hand in by 2300 hours on the 27th of March.

The 28th of March was the evaluation day for the competition. We were assessed based on our poster, presentation and narration. The judges were Mr. Peter Butterworth from British Petroleum, Mr. Irfan Cibaj from Total Indonesia and Mr. Agus Budi from Ikatan Ahli Geologi Indonesia (IAGI). There was also a poster presentation which was opened to public. UM team was the third to present and we did our best.

The closing ceremony of the competition was held later that day. The ceremony was commenced upon the singing of Indonesia's national anthem. It was followed by performances by students from FK-UGM, ITB and HMTG FK-UGM which varies from traditional dance (Zapin, Terang Bulan, Saman, and Sajojo) to dangdut pop-rock performance. All the participants and committees started to dance in front of the stage upon the 'dangdut' song being played by the HMTG FK-UGM band. The atmosphere was euphoric. After all the having-funs, the most anticipated moment arrived. The Winner of IGC2015 is the Chulalongkorn University. The first and second runner-up is Universitas Gadjah Mada (UGM) and Universitas Diponegoro (UNDIP) respectively. The winner for Best Poster is Institut Teknologi Bandung and the winner for Best Presentation is Universitas Padjajaran. Congratulations to all of the winners and participants.

On the last day of IGC2015, the 29th of March, the Jogja GeoWisata Society organized a Lava Tour. It was an excursion riding on a four wheel drive through lava-affected areas around the foot hill of Indonesia's most active volcano, Mount Merapi. It was definitely a memorable tour.

Overall, IGC2015 was a success. The students' geological mapping skills was enhanced, friendships were established and Indonesian culture was understood adequately. We hope UM team will be able to participate in the future events organized by HMTG FK-UGM as the experience was well worth it.

Highest appreciation is extended to the Geological Society of Malaysia, Faculty of Science UM, GeoData Services, Geosolution Resources and lecturers especially Dr. Jasmi Hafiz Abdul Aziz, Associate Prof. Dr. Ng Tham Fatt and Associate Prof. Mustaffa Kamal Shuib for their persistent guidance and encouragement throughout the pre-departure preparation.

Fatin Fariha Mohd Wafa
University of Malaya



UPCOMING EVENTS

October 4-7, 2015: Third EAGE/AAPG Workshop on Tight Reservoirs in the Middle East, Abu Dhabi, UAE. Contact: AAPGmg@aapg.org

October 6-9, 2015: 3P: the Polar Petroleum Potential Conference & Exhibition, Stavanger Forum, Norway. Contact: Europe@aapg.org

October 11-14, 2015: HAGI-IAGI-IATMI-IAFMI Joint Convention: Empowering Marine Earth Resources, Balikpapan, Indonesia. Contact: Sukmandaru Prihatmoko, email: sprihatmoko@gmail.com or sdaru@indo.net.id

Oct 27-29 2015: International Conference on Engineering Geology in New Millennium, New Delhi, India. Email: geolraju@gmail.com

October 27-29, 2015: Offshore Technology Conference Brasil 2015, Rio de Janeiro, Brazil. Website: www.otcbrasil.org

October 28-29, 2015: The Geology of Geomechanics, London, UK. Contact: Jess Aries, email: jess.aries@geolsoc.org.uk

November 1 - 4, 2015: Submarine Mass Movements and Their Consequences, 7th International Symposium. Wellington, New Zealand. Website: <https://sites.google.com/a/utexas.edu/s4slide/home>

November 2 - 4, 2015: 6ICEGE - 6th International Conference on Earthquake Geotechnical Engineering, Christchurch, New Zealand. Website: <http://www.6icege.com/>

November 2-4, 2015: AAPG/SEG Advances in Subsurface Mapping, Doha, Qatar. Contact: middleeast@aapg.org

November 9 - 13, 2015: The 15th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering - New Innovations and Sustainability, Kyushu, Japan. Website: <http://jgskyushu.jp/xoops/uploads/15ARC/>

November 16-17, 2015: Geomechanical & Petrophysical Properties of Mudrocks, London, UK. Contact: Jess Aries, email: jess.aries@geolsoc.org.uk

November 16 - 18, 2015: 2015 World Oil & Gas Week and World Awards Dinner, Lancaster Hotel, London, UK. Website: <http://www.oilandgascouncil.com/event/oilgasweek>. Contact: gina.sole@oilcouncil.com

November 19-20, 2015: Innovation in Geoscience: Unlocking the Complex Geology of Myanmar, Yangon, Myanmar. Contact: Adrienne Pereira, email: apereira@aapg.org

November 19-20, 2015: The Second AAPG/EAGE/MGS Oil & Gas Conference, Yangon, Myanmar. Contact: Adrienne Pereira, email: apereira@aapg.org

November 24-25, 2015: The 3rd International Conference in Water Recourse (ICWR2015), Langkawi, Malaysia. Contact: Ms Nurafidah/Ms Syaza: Tel: +607 5218710/8159; email: icwr2015@utmpace.edu.my; icwr2015@gmail.com

March 7-10, 2016: 12th Middle East Geosciences Conference & Exhibition, Bahrain. Contact: International Explo Management, Tel: +65 62336777; Fax: +65 62336768; email: Gerald@iemallworld.com; website: www.allworldexhibitions.com

April 27-28, 2016: Janet Watson Frontiers Meeting 2016: The Future of Hydrocarbon Exploration, London, UK. Contact: Jess Aries, email: jess.aries@geolsoc.org.uk

May 10 - 12, 2016: 7th In-Situ Rock Stress Symposium 2016 - an ISRM Specialised Conference, Tampere, Finland. Website: <http://www.isrm.net/conferencias/detalhes.php?id=3297&show=conf>

May 25 - 27, 2016: GEOSAFE: 1st International Symposium on Reducing Risks in Site Investigation, Modelling and Construction for Rock Engineering - an ISRM Specialized Conference, X'ian, China. Website: <http://www.isrm.net/conferencias/detalhes.php?id=3289&show=conf>

June 19-22, 2016: AAPG Annual Convention & Exhibition 2016, Calgary, Alberta, Canada. Contact: convene@aapg.org

August 29 - 31, 2016: EUROCK 2016 - The 2016 ISRM International Symposium - Rock Mechanics & Rock Engineering: From Past to the Future, Ürgüp-Nevşehir, Turkey. Website: <http://eurock2016.org/>

August 27 to September 5 2016: The 35th International Geological Congress: Cape Town, South Africa. Danie Barnardo, Secretary-General: 35th IGC. barnardo@geoscience.org.za; <http://www.35igc.org>

October 1, 2016: ARMS 9 - the 9th Asian Rock Mechanics Symposium - ISRM Regional Symposium, Bali, Indonesia. Website: <http://www.isrm.net/conferencias/detalhes.php?id=3268&show=conf>

October 16 - 18, 2016: Recent Advances in Rock Engineering - RARE 2016 - an ISRM Specialised Conference, Bangalore, India. Website: <http://www.isrm.net/conferencias/detalhes.php?id=3312&show=conf>

REGISTRATION FORM

Conference Fees:

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- I would like to join the post conference field trip on 5/11/2015 to Satun Geopark, Thailand.

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Extra payment for post conference field trip will be charged RM250)
Digital copy of this registration form can be found at:
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ABOUT THE CONFERENCE

The Faculty of Geosciences and Petroleum Engineering, Universiti Teknologi PETRONAS (UTP), is proud to announce the 4th International Conference on Integrated Petroleum Engineering and Geosciences 2016 (ICIPEG2016) under the banner of World Engineering, Science & Technology Congress (ESTCON2016) from 15th - 17th August 2016 at the Kuala Lumpur Convention Centre (KLCC). ICIPEG continues to aim at bringing together Petroleum Engineers and Geoscientists, with the new theme of "Blue Ocean Strategies in E&P to Meet Global Energy Challenges."



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Papers should be as concise as possible. They may include original results of basic, applied and policy research of national or international significance, current reviews, or discussions on techniques, research programs, organisations, information, or national and international policies in geoscience.

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Title must be informative and reflects the content of the paper. Title in Malay should include an English translation. It should be concise (less than 20 words). Avoid using abbreviation in the title.

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Addresses of all authors must be provided. The addresses should be sufficient for correspondence. Please include email address, telephone and fax of the corresponding author.

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Article in Malay:

Lim, C.H. & Mohd. Shafeea Leman, 1994. The occurrence of Lambir Formation in Ulu Bok Syncline, North Sarawak. *Geol. Soc. Malaysia Bull.*, 35, 1-5. (in Malay with English abstract)

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WARTA GEOLOGI PERSATUAN GEOLOGI MALAYSIA

Newsletter of the Geological Society of Malaysia

Jilid 41, No. 1-2 • Volume 41, No. 1-2 • January–June 2015

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