

Minutes of IAGA WG I.2 Business Meeting at the 2009 IAGA Assembly

**Auditorium Green, Economists Hall, Sopron
25 August 2009, 11:30 AM**

Attendance: 42 people.

Meeting chair: Y. Ogawa, WG I-2 Chair

The chair noted the passing of WG I-2 colleagues Ulrich Schmucker (1930-2008), Hugo G. Fournier (1918-2009), Luiz Rijo (1942-2009), Peter Weidelt (1938-2009), and Mark Berdichevsky (1923-2009).

1. Review of Beijing 19th International Electromagnetic Workshop (EMIW)

Report

A report on the workshop compiled by Zhao Guoze, Chair of the LOC, and others has been submitted to IAGA.

Special Publications

WG I-2 Publications Coordinator N. Palshin reported that good progress has been made on preparation of the Special Volume of the review papers in Surveys in Geophysics. One paper remains to be finalized. The preparation of a Special Volume of submitted papers in the Chinese Journal of Geophysics was progressing more slowly than expected. There was a large proportion of Chinese papers that necessitated greater editorial effort. N. Palshin urged the members of the WG to be receptive to review requests. N. Palshin also noted that the reviewers for the next workshop, as well as being informed of the necessity to submit a review paper, should also be asked to suggest reviewers.

The chair noted that the Special Volume of submitted papers from the 18th International EMIW in Geologica Acta would be published early next year.

2. Progress report on preparations for 20th International EMIW in Egypt

Local Organizing Committee (LOC)

The chair reported that it had been agreed yesterday after communications between himself and the host organization, National Research Institute of Astronomy and Geophysics (NRIAG), Egypt that the LOC would be chaired by Prof. El-said Ragab with Gad El Qady as co-chair and Prof. Esmat Abdelaal as Treasurer. The chair and co-chair would thus be as approved by the WG at the 19th EMIW in Beijing. NRIAG had previously requested some changes to the membership of the LOC.

Program Committee (PC)

The chair reported that the membership of the PC would be:

- Y. Ogawa: PC chair (WG chair) Asia: MT
- G. El Qady: PC co-chair (LOC / WG) Africa: near-surface
- Guoze Zhao: (previous LOC) : China: MT
- G. Heinson: (WG, subsequent LOC): Oceania: MT
- I. Ferguson: (WG co-chair) N.America: MT

- N. Palshin: (WG publication coordinator): Russia Ocean
 - G. Egbert: (WG fund-raiser): US, modeling
 - C. Sainato: (WG): Argentina, near surface
 - O. Ritter: Germany, MT
 - M. Smirnov: Finland/Russia, MT
 - D. Hanafy : PC advisor from LOC (to be confirmed with the LOC and NRIAG), Egypt
- This list includes members appointed as part of their duties on the WGC or other LOCs and additional members suggested at the 19th EMIW in Beijing.

The review talks for the EMIW have mostly been finalized and will be by:

- A. Kuvshinov “Global induction studies “
- W. Siripunvaraporn “3D MT inversion“
- M. Everett “Near-surface EM studies“
- M. Becken "MT along the SAF - a review“
- K. Key “Ocean EM for resources and tectonics”
- U. Weckmann “The making and braking of a continent - what we can learn from MT in Africa”
- T.G. Caldwell “Galvanic distortions and phase tensor“

The above titles are tentative and one reviewer for a Petroleum EM review is still being arranged.

Plans are being developed for a pre-workshop which will include tutorial sessions on

- Instrumentations (magnetic sensors and electrodes etc)
- Time series analyses with a practical component
- 3d modeling with a practical component

Plans are also being developed for a post-workshop focusing on focusing on African/Middle East topics including

- Archeology in Egypt
- Tectonics
- Resources in Africa/Middle East)

The schedule for the workshop was shown. It was explained that the reason for starting on a Saturday was to accommodate the different normal working week in Egypt. A member requested consideration be given to changing the Discussion Sessions in order to stimulate a more workshop type environment. Some discussion of possibilities followed.

Time	Sept. 18 (Sat.)	Sept. 19 (Sun)	Sept. 20 (Mon.)	Sept. 21 (Tue.)	Sept. 22 (Wed.)	Sept. 23 (Th.)	Sept. 24 (Fri.)	
8:30-	Registration	S.1 Review S.1 Oral	S.3 Review S.3 Oral	Excursion	S.5 Review S5. Oral	S.7 Review S.7 Oral	S.9 Review S.9 Oral	
10:30-		Tea break			Tea break			
11:00-		S.2 Review S.2 Oral	S.4 Review S.4 Oral		S.6 Review S.6 Oral	S.8 Review S.8 Oral	Final discussion	
13:00-		Lunch			Lunch			
14:30-		Poster	Poster		Poster	Poster		
16:30-		Opening	Tea break		Tea break			
16:45-			Discussion		Discussion	Discussion	Discussion	
18:00-		Ice Breaker	Dinner		Archaeology in Egypt (invited talk)	Dinner		

Financial Support Committee (FSC)

Y. Ogawa reported that the membership of the FSC would be:

1. WG Treasurer (FSC Chair) (U. Weckmann)
2. WG Fund Raising Coordinator (G. Egbert)
3. WG Chair (Y. Ogawa)
4. WG Co-chair (I. Ferguson)
5. LOC representative (G. El-Qady)
6. Next workshop chair (G. Heinson)
7. Representative from previous LOC (Chen Xiaobin)
8. Treasurer from LOC (non-voting member of FSC) (E. Abdelaal)
9. Adviser from WG observer (non-voting member of FSC) (G. Jiracek)

Report from the LOC

G. El Qady, co-chair of the LOC, gave a brief report from the LOC. He noted that some delays in the EMIW preparation had occurred because of the recent uncertainty concerning the structure of the LOC. He reported that the dates for the workshop were finalized (Sept. 18-24, 2010) and that the planned workshop location was Ain Sokhna, a resort located on the western coast of Gulf of Suez. Negotiations associated with this location were at an advanced point.

In response to a question G. EL Qady indicated that now the LOC was finalized the web page would be soon updated and the First Circular for the workshop would be soon distributed.

3. 2011 IUGG (Melbourne, Australia 27 June - 8 July 2011) session proposal

The following sessions have been proposed as WG I-2 sessions for the 2011 IUGG meeting. Each session lists the proposed conveners.

- (1) Recent Advances in Electromagnetic Induction: near-surface environmental applications. G. El-Qady, C. Sainato, El-Said Ragab
- (2) Recent Advances in Electromagnetic Induction: modeling and inversion. G. Egbert, I. Ferguson, G. Hill, M. Ingham
- (3) Recent Advances in Electromagnetic Induction: lithospheric and asthenospheric structures. A. Jones, K. Selway, K. Veeraswamy, E. Sokolova

One union session has also been proposed by the WG.

- (4) "Fluids in the crust and mantle: geodynamic and seismological consequences - geophysical and geological constraints". G. Caldwell (IAGA), Y. Iio (IASPEI), S. Cox (IAVCEI)

Three sessions proposed by EMSEV for the IUGG assembly also have a component of EM induction:

- (1) Electromagnetic studies of earthquakes, active faulting and tsunamis
- (2) Electromagnetic studies of active processes using space technology
- (3) Imaging and monitoring active volcanoes and geothermal fields by Electromagnetic (EM) and other geophysical techniques

Finally the IAGA ULF working group has participated WG I-2 participation in a session entitled:

- (1) 150 years of ultra-low-frequency wave research: Past, present, and future contributions to magnetospheric and geophysical sciences

A WG member asked a question as to whether there were limits on the number of sessions that could be proposed by a WG, particularly in light of the size and activity of WG I-2. Eduard Petrovsky, representing the IAGA Executive Committee and the Division 1 committee, indicated that there was no formal limit on the number of sessions that could be proposed but there were practical limits arising from the time and space constraints at the assembly. It was

suggested by a member that it was necessary to have a good number of sessions to attract WG I-2 members to IUGG and IAGA (as had happened in Sopron).

4. Progress report on preparations for 21st International EMIW in Darwin

G. Heinson, chair of the Darwin LOC, has submitted a well prepared report on plans for the EMIW in Darwin. In June, G. Heinson and colleagues visited potential venues, dinner locations, day excursions etc.

A WG member encouraged other WG members to attend the IGC meeting to be held in Brisbane just prior to the EMIW. There was some discussion as to whether EM sessions should be proposed for IGC or whether it would be better for EM researchers to participate in more thematically oriented sessions, e.g. on particular geological processes, rather than aim at discipline-based sessions.

5. IAGA issues

Terms of Chair and Co-chair

The chair reported that IAGA has requested its constituent bodies to co-ordinate the appointment of chair and co-chairs (IAGA officers) so as to take place at IUGG assemblies. The present WG I-2 practice is to elect its chairs at the EMIW in the year preceding the IAGA assemblies. The chair noted that IAGA is in approval of the procedure in which the WG chair and co-chair are actually elected by the WG at the EMIW.

The chair proposed a plan in which the WGI-2 chair and co-chair would be elected at the EMIW preceding the IUGG meeting. The new chair and co-chair would serve in these roles for internal WG I-2 matters. The official appointment of the two people into the formal IAGA officer chair and co-chair positions would not take place until the IUGG assembly the following year. The internal change-over of chairs would take place at the EMIW following the IUGG meeting.

In order to switch from the present schedule to the new plan, the WG would elect the new chair and co-chair at the 20th EMIW in Egypt and the positions would become official at the following IUGG in Melbourne. The actual internal change-over of chairs would take place at the 21st EMIW in Darwin, in line with the present timing. The table below shows this arrangement.

E. Petrovsky, representing the IAGA Executive Committee explained the rationale for the request from IAGA was to ensure an orderly transition of officers in all the constituent bodies of IAGA (and IUGG). He indicated that IAGA was in approval of WG procedure of electing its chair and co-chair at the EMIW. He also indicated that IAGA did not have concerns with the newly elected chair and co-chair serving in these roles for internal WG I-2 matters prior to the official appointments at IUGG. He indicated that the previous chair and chair-elect could operate as a team over this interval.

	2008 EMIW China	2009 IAGA	2010 EMIW Egypt	2011 IUGG	2012 EMIW Australia	2013 IAGA	2014 EMIW	2015 IUGG	2016 EMIW
Present Official Terms			Ogawa			Next chair			
New Process			Elect Chair/ Co-chair for 2011- 2015				Elect Chair/ Co-chair for 2015- 2019		
New Official Terms			Ogawa	Next chair				Subsequent chair	
Functional Terms		Ogawa			Next chair				

It was MOVED by A. Jones and SECONDED by K. Veeraswamy that

Working Group I-2 adopt a procedure in which the new chair and co-chair are elected at the International Electromagnetic Induction Workshop (EMIW) in the year preceding the IUGG assembly so as to allow the chair and co-chair to be officially appointed by IAGA in these roles at the IUGG assembly. For the purposes of internal Working Group I-2 business, the chair and co-chair will serve from the EMIW prior to the one in which the election is conducted to the EMIW following the one in which the election is conducted.

CARRIED UNANIMOUSLY

6. Other Business

None

The meeting was adjourned at 12:20 PM.