

CLOSING PLENARY

IUGG-IASPEI 2015

Prague, Czech Republic

Agenda

- 1) President's Welcome
- 2) Roll Call
- 3) Secretary General's Report
- 4) Financial statement and Discharge of Accounts
- 5) Union Activities
- 6) Association Activities
- 7) Future Activities and Assemblies
- 8) Appointment of Representatives
- 9) 2017 IASPEI GA
- 10) Election of IASPEI Officers for 2015-2019
- 11) Revision of Statutes and Bylaws
- 12) Resolutions
- 13) Final Words from the President(s)
- 14) Close of Plenary

1 President's Welcome

2 Roll Call

27th IUGG General Assembly Prague - IASPEI Roll Call; Closing Plenary; 1 July 2015

COUNTRY	National Corresspondent(s)	Delegate/Proxy	Present
ARGENTINA:	SABBIONE Dra. Nora		
AUSTRALIA:	JACKSON Prof. Ian		X
AUSTRIA:	LENHARDT Prof. Dr. Wolfgang		X
AZERBAIJAN:	YETIRMISHLI Dr. Gurban	BABAYEV, Gulam/Ibrahim GULIEV	
BELGIUM:	CAMELBEECK Dr. Thierry	Fabienne COLIN	X
BRAZIL:	ASSUMPÇÃO Dr. Marcelo Sousa de		X
BULGARIA:	SOLAKOV Prof. D.Sc. Dimcho	Daniela JORDANOVA	
CANADA:	EATON Dr. David W. (1st correspondent)		
	PERRY Dr. Claire (2nd correspondent)		
CHILE:	COMTE Dra. Diana	Lecanda JARA	
CHINA:	DING Dr. Zhifeng		X
CHINA-TAIPEI:	WANG Prof. Chien-Ying	Bor-Shouh HUANG	
COLOMBIA:	VARGAS Carlos		
COSTA RICA:	PROTTI Dr. Marino	Marcelo ASSUMPÇÃO	X
CROATIA:	HERAK Prof. Dr. Marijan		X
CZECH REPUBLIC:	PLOMEROVA Dr. Jaroslava		X
DENMARK:	GREGERSEN Dr. Søren	Peter VOSS	
EGYPT:	MOHAMED Dr. A.E.E.A.		
ESTONIA:	ALL M.Sc. Tarmo		
FINLAND:	HEIKKINEN Dr. Pekka	Annakaisa KORJA	X
FRANCE:	MONFRET Dr. Tony	Betrand DELUOIS	
GERMANY:	DAHLM Prof. Dr. Torsten	Johannes SCHWEITZER	X

GREECE:	MAKROPOLOUS Prof. Konstantinos		
HUNGARY:	WÉBER Dr. Zoltán		
ICELAND:	STEFANSSON Dr. Ragnar		
INDIA:	KAYAL Prof. J.R.	Peter SUHADOLC	X
INDONESIA:	WIDIYANTORO Prof. Sri		
IRAN:	MIRZAEI Ass. Prof. Dr. Noorbakhsh		
IRELAND:	BEAN Prof. Chris J.	Alan JONES	
ISRAEL:	HOFSTETTER Dr. Rami		
ITALY:	COCCO Dr. Massimo	Paolo MESSINA	
JAPAN:	SATAKE Prof. Kenji	Satoshi IDE	X
KOREA, South:	BAAG Prof. Chang-Eob		
	LEE Prof. Jung Mo		
LUXEMBOURG:	OTH Dr. Adrien	Peter SUHADOLC	X
MACEDONIA F.Y.R.:	GAREVSKI Prof. Dr. Mihail		
MEXICO:	MACIAS Dr. José Luis		
MOZAMBIQUE:	MARCOS Eng. Severino		
	SAMBOCO Eng. Viriato		
THE NETHERLANDS:	DOST Dr. Bernard		
NEW ZEALAND:	RHOADES Dr. David		X

NICARAGUA:	OBANDO Mr. Edwin		
NIGERIA:	ALABI Prof. A.O.		
NORWAY:	KVAERNA Dr. Tormod		X
PHILIPPINES:	BAUTISTA Dr. Bartolome C.		
POLAND:	LASOCKI Prof. Dr. Stanislaw	Grzegorz LIZUREK	X
PORTUGAL:	MATIAS Prof. Dr. Luis Manuel M.		
ROMANIA:	RADULIAN Dr. Mircea	Luminita ARDELEANU	X
RUSSIA:	GLIKO Dr. Alexandr O.	Alexey ZAVYALOV	X
SAUDI ARABIA:	ALDAMEGH Dr. Khalid		
SLOVAK REPUBLIC:	MOCZO Prof. Peter		
SLOVENIA:	ČARMAN Dr. Martina		
SOUTH AFRICA:	DURRHEIM Prof. Raymond		
SPAIN:	MARTIN DAVILA Dr. Jose		
SWEDEN:	ROBERTS Prof. Roland	Bjorn LUND/ Gerhard SCHWARTZ	X
SWITZERLAND:	CLINTON Dr. John	Florian HASLINGER	X
THAILAND:	WECHBUNTHUNG Dr. Burin		
TURKEY:	NURLU Dr. Murat	Eren TEPEUGUR, Kenan Yanik	
UK:	RIETBROCK Prof. Andreas		
USA:	HARDEBECK Jeanne	Kevin FURLONG	X
VIETNAM:	HAI Dr. Dang Thanh	Nguyen Van GIANG	

Associates	(NO VOTING RIGHT)		
ALBANIA			
ARMENIA			
BOLIVIA			
BOSNIA& HERCEGOVINA			
D.R.CONGO			
GEORGIA			
MOROCCO			
PERU			

2 Secretary General's Report 2011-2015

- Bureau meetings:

 - 2012 Vienna

 - 2013 Gothenburg

 - 2014 Istanbul

 - 2015 Prague

- Executive Committee meetings:

 - 2013 Gothenburg

 - 2015 Prague

Business meetings during this assembly

Thursday

Bureau and Executive meetings

Friday

Opening plenary

Tuesday

Executive meeting with Commission chairs

Wednesday

Closing plenary

IASPEI Commissions and IASPEI sponsored bodies
also have conducted business meetings during the
Assembly

Regional Commission Meetings

33rd European Seismological Commission General Assembly, August, 19-24, 2012, Moscow, Russia

34th European Seismological Commission General Assembly, August, 24-29, 2014, Istanbul, Turkey

9th Asian Seismological Commission General Assembly, September, 17-20, 2012, Ulaan Baatar, Mongolia

10th Asian Seismological Commission General Assembly, November, 18-20, 2014, Makati City, Manila, The Philippines

1st Latin American and Caribbean Seismological Commission General Assembly, July, 23-25, 2014, Bogotá, Colombia

Newsletter and Website 2011-2014

- IASPEI Newsletters - IASPEI uses them to broadcast announcements about its activities, forthcoming meetings and other information of interest to IASPEI members. Also downloadable from IASPEI Website.
- IASPEI Website - IASPEI continues development of its Website on the WorldWideWeb which contains organizational information, meeting announcements and Internet connections and other information of interest to IASPEI scientists.

<http://www.iaspei.org/>

- The Website has recently moved from Edinburgh to Thatcham, where it is hosted by the ISC. A new look for the website is under construction and we ask all Commissions for updated contents.
- IASPEI is very much indebted to ISC for this help and thanks BGS for having hosted it!

Report on Assembly statistics

- Number of symposia and WS: 202
- Number of presentations (total): 5381
- No. of IASPEI presentations: 745 (13.85%)
- Number of countries present: 88
- Number of participants: 4288 505
IASPEI
- People supported: >400 76

Report on Assembly statistics

Participation by country (top 11)

USA	508
Japan	418
Germany	389
China	298
UK	271
France	217
Russia	194
Italy	190
Czech Rep.	143
Switzerland	143
Australia	120

3 Financial statement 2011-2014

INTERNATIONAL ASSOCIATION OF SEISMOLOGY AND PHYSICS OF THE EARTH'S INTERIOR

Quadrennial Report for the Years 2011-2014

Amounts in USA Dollars

RECEIPTS		IUGG	GRANTS & CONTRACTS	EXPENDITURES	IUGG	GRANTS & CONTRACTS	
1 IUGG ALLOCATION			129 635.39	x	11 ADMINISTRATION	67 362.46	x
1.1 IUGG/IASPEI SURCHARGES...			25 391.42	x	12 PUBLICATIONS	x	x
2 UNESCO GRANTS			1 000.00	3 000.00	13 ASSEMBLIES	119 471.33	0.00
3 OTHER GRANTS			1 982.40	x	14 SYMPOSIA & SCIENTIFIC MEETINGS ..	50 000.00	0.00
4 CONTRACTS WITH UNESCO, etc.		x	x	x	16 GRANTS (Permanent Services, etc.)	x	3 000.00
5 SALES OF PUBLICATIONS		x	x	x	17 CONTRACTS WITH UNESCO, etc.	x	x
6 MISCELLANEOUS			21 676.17	x	18 MISCELLANEOUS	12 677.85	x
7 TOTAL RECEIPTS			179 685.38	3 000.00	19 TOTAL EXPENDITURES	249 511.64	3 000.00
IDEA RECEIPTS			23 376.49		IDEA EXPENDITURES	34 294.41	
DOORNBOS FUND RECEIPTS			0.00		DOORNBOS FUND EXPENDITURES	0.00	
ESC FITESC RECEIPTS			0.00		ESC FITESC EXPENDITURES	0.00	
8 CASH ON HAND AND IN BANK				20 CASH ON HAND AND IN BANKS			
Jan. 1, 2011			40 061.43	x	Dec. 31, 2014	10 235.17	
9 INVESTMENTS & RESERVES				21 INVESTMENTS & RESERVES			
Jan. 1, 2011			61 195.30	x	Dec. 31, 2014	41 195.30	
DOORNBOS FUND				DOORNBOS FUND			
Jan. 1, 2011			22 353.08	x	Dec. 31, 2014	22 353.08	
IDEA ACCOUNT				IDEA ACCOUNT			
Jan. 1, 2011			24 149.11	x	Dec. 31, 2014	13 231.19	
ESC FITESC ACCOUNT				ESC FITESC ACCOUNT			
Jan. 1, 2011			1 612.11	x	Dec. 31, 2014	1 612.11	
10 TOTAL			352 432.90	3 000.00	22 TOTAL	352 432.90	3 000.00
Jan. 1, 2011		Dec. 31, 2014					
23 ACCOUNTS RECEIVABLE			0.00			0.00	
24 ACCOUNTS PAYABLE			0.00			20 000.00	

Report of the IASPEI Audit Committee for the period 2011-2014

- We have examined the accounts presented by the treasurer for the period 2011 to 2014 and the budgets for 2015 and 2016. We have established that the accounts represent fairly the transactions of IASPEI and its financial status.
- We have questioned the treasurer about the accounting for assembly expenditure at each end of the quadrennium, about the IUGG/IASPEI surcharge income stream, and about the IDEA-Seismoarchives funds, and found the explanations fully satisfactory. Our analysis identifies the following major trends concerning income and expenditure.
- *Income* for the quadrennium was essentially unchanged at \$180 k – the decline in the IUGG allocation to IASPEI during the quadrennium (in the wake of the formation of the new IACS association) being offset by a new surcharge of \$30 per person on registration at IASPEI assemblies. In the context of the current discussion of individual membership, the IUGG/IASPEI surcharge can be regarded as a modest annual subscription of \$15.
- *Expenditure* increased substantially during the quadrennium from \$180k for 2007-2010 to \$250k for 2011-2015, reflecting mainly a substantial increase to \$135k in grants (both registrations and allowances) for participation in assemblies, and assembly-related administrative costs. Funding for other scientific meetings, stable at \$50k for the quadrennium, is appropriately being focused more sharply on the meetings of the regional seismological commissions (especially LACSC and AfSC).

Report of the IASPEI Audit Committee for the period 2011-2014

(cont'd)

- Concerning *administrative overhead*, expenditure is split ~80% for assemblies, regional commission and other scientific meetings and ~20 % for administration; the admin overhead is relatively low, given the importance of Bureau participation and leadership in assemblies and regional commission meetings.
- *Operating result*: Expenditure exceeded income by \$70k across the quadrennium reflected in substantial erosion of reserves to ~\$50k – somewhat lower than the traditional target of an average year's expenditure. The overall position is sound, but with emerging need to bolster income.
- We give the treasurer discharge for the accounts for the period 2011-2014.

Ian Jackson

Wolfgang Lenhardt

Marijan Herak

Prague, 1 July 2015

Report of the Professional Auditor for the period 2011-2014

Gantar dr. Roberto
Via Hermada n° 38
34151 – Opicina
T R I E S T E
Cod.Fisc.GNTRRT56H04L424G
Iscr. Reg.Revisori Legali n° 64801

To the IASPEI Association:

INDIPENDENT AUDITOR'S REPORT

As auditor, I audited the accounts of the International Association of Seismology and Physics of the Earth's Interior (IASPEI) for the single years 2011-2014 and for the same quadrennium.

The accounts are kept according to the simple accounting procedure, i.e. income versus expenditures, and are consistent with the principles of Italian ordinary book-keeping laws.

The Financial Statement and the profit and loss accounts for this period drawn up the treasurer, Prof. Peter SUHADOLC, are in accordance with the accounts.

In my opinion, the Financial Statement of IASPEI at December 31, 2014 was redacted clearly and gives a true and fair view of the financial position, the results of operations and the cash flows for the period 2011 – 2014.

Trieste, June 12, 2015



4 Union Activities

New IUGG officers for the period
2015-2019

- President: Michael SIDERIS (Canada)
- Vice-President: Kathryn WHALER (UK)
- Treasurer: Aksel W HANSEN (Denmark)
- Secretary General: Alik ISMAIL-ZADEH (Germany)

- Bureau members: Isabelle Jane ANSORGE (South Africa), Pierre HUBERT (France), Chris RIZOS (Australia)

- Finance Committee: Corinna RISSO (Argentina), David COLLINS (UK), Jan KRYNSKI (Poland), Virendra TIWARI (India)

Union Activities

- The IUGG Statutes and Bylaws have been amended in order to allow among others electronic voting and to introduce the possibility of individual membership for the Associations
- The 2019 venue for the IUGG GA is
MONTREAL (CANADA)

5 ASSOCIATION ACTIVITIES

- **Commission on Education and Outreach**

Co-Chairs: John TABER (USA) & Matthias OHRNBERGER (Germany)

- **Commission on Seismological Observation and Interpretation (CoSOI)**

Chair: Thomas MEIER (Germany)

- **Commission on Tectonophysics and Crustal Structure**

Chair: TBD

- **Commission on Earthquake Generation Process – Physics, Modelling and Monitoring for Forecast**

Chair: Eleftheria PAPADIMITRIOU (Greece)

- **Commission on Earth Structure and Geodynamics**

Chair: Allen MCNAMARA (USA)

- **Commission on Earthquake Hazard, Risk and Strong Ground Motion (SHR)**

Chair: Gary GIBSON (Australia)

5 ASSOCIATION ACTIVITIES

- **Commission on Earthquake Source Mechanics (ESM)**

Chair: TBD Responsible: Satoshi IDE (Japan)

- **Federation of Digital broadband Seismograph Network (FDSN)**

Chair: Göran EKSTRÖM (USA)

- **European Seismological Commission (ESC)**

Chair: Wolfgang LENHARDT (Austria)

- **Asian Seismological Commission (ASC)**

Chair: Gary GIBSON (Australia)

- **Latin American and Caribbean Seism. Comm. (LACSC)**

Chair: Marino PROTTI (Costa Rica)

- **African Seismological Commission (AfSC)**

Chair: Atalay AYELE (Ethiopia)

ASSOCIATION ACTIVITIES

- **IAPSO/IASPEI/IAVCEI Joint Tsunami Commission**
Chair: Vasily TITOV (USA)
- **IASPEI/IAVCEI Commission on Physics and Chemistry of Earth Materials**
Chair and IASPEI representative: Jiuhua CHEN (USA)
- **IAVCEI/IASPEI Commission on Volcano Seismology**
Chair and IASPEI Representative: Jurgen NEUBERG (UK)
- **IAGA/IASPEI/IAVCEI WG on Electromagnetic Studies of Earthquakes and Volcanoes (EMSEV)**
IASPEI/IAVCEI Representative: Malcolm J S JOHNSTON (USA)
- **International Heat Flow Commission (IHFC)**
Chair: Huang SHAOPENG (China)
- **International Ocean Network (ION)**
Chair: Mairi M.R. BEST (Canada)

6 FUTURE IASPEI ACTIVITIES and ASSEMBLIES

- 2015 IASPEI-IAVCEI WKS Earthqs.&Volcanoes
Barcelona (Spain)
- 2016 ASC GA in Melbourne (Australia)
- 2016 ESC GA in Trieste(Italy)
- 2016 LACSC GA in San Jose (Costa Rica)
- 2016 AfSC GA in Egypt (TBC)
- 2017 IASPEI-IAG SA in Kobe (Japan)
- 2019 IUGG-IASPEI GA in Montreal (Canada)

7 IASPEI REPRESENTATIVES 2015-2019

- **IAPSO/IASPEI/IAVCEI Joint Tsunami Commission**
Phil CUMMINS (Australia)
- **IAU/IUGG WG on Non-rigid Earth Nutations**
Bruce A BUFFETT (Usa)
- **IUGG Commission on Data and Information (UCDI)**
Andreas RIETBROCK (UK)
- **ISC Executive Committee**
IASPEI (Past) Secretary General (Peter Suhadolc)/Johannes Schweitzer
- **IUGG Commission on Mathematical Geophysics**
Malcolm Sambridge (Australia)
- **IUGG/IUGS Commission on the Lithosphere (ILP)**
Kevin FURLONG (USA)
- **SCAR – Solid Earth Geophysical Working Group**
Masaki KANAO (Japan)
- **EMSEV**
Malcolm JOHNSON (USA)
- **IUGG GEORISK Commission**
WU Zhongliang (China)
- **SEDI**
Thorne LAY (USA)
- **IUGG Working Group on History (WGH)**
Roger MUSSON (UK)
- **IUGG Commission on Climatic and Environmental Changes**
Domenico GIARDINI (Switzerland)
- **IUGG Commission on Planetary Science**
Ian JACKSON (TBR) (Australia)

9 ELECTION OF IASPEI OFFICERS (2015-2019)

IASPEI BUREAU 2015 - 2019

President: Thorne LAY (USA)

1st Vice-President: Kenji SATAKE (Japan)

2nd Vice-President: Michelle GROBBELAAR (South Africa)

Secretary-General: Johannes SCHWEITZER (Norway)

OTHER IASPEI EXECUTIVE COMMITTEE MEMBERS

Members: Marcelo ASSUMPÇÃO (Brazil)

Dmitry STORCHAK (UK)

LI Li (China)

Russ PYSKLYWEC (Canada)

Past President Domenico GIARDINI (CH)

IASPEI BUREAU 2015 - 2019

The new IASPEI BUREAU and the other IASPEI EXECUTIVE COMMITTEE MEMBERS have been unanimously elected by the present 21 National Correspondents.

10 STATUTES & BYLAWS

IASPEI Statutes and By-laws

Why to change ?

- To conform with changes in IUGG Statutes and Bylaws that allow individual membership for Associations

Aim of revisions:

- To further refine goals and status of the Association

IASPEI Statutes and By-laws

CHANGES IN MEMBERSHIP

- The members of IASPEI are the countries adhering to IUGG and individual scientists taking part to IASPEI Assemblies.
- The National Delegates of the countries adhering to IUGG elect the Association President, vote on financial matters and the revisions of Statutes and Bylaws.
- Both National Delegates and individual members present at the IASPEI Plenaries vote on all other matters.

IASPEI Statutes and By-laws

The new IASPEI Statutes and By-laws have been unanimously adopted by the present 21 National Correspondents.

11 Resolutions

Resolution 1a

Recognizing the outstanding value of the New Manual of Seismological Observatory Practice (NMSOP), and the efforts of Peter Bormann and GFZ in the development of the Manual

IASPEI

is grateful to GFZ German Research Centre for Geosciences, Potsdam for providing continued support and overseeing further development of the NMSOP.

- Unanimously adopted -

IASPEI Closing Plenary
Wednesday, 1 July 2015, Prague, Czech Republic

Resolution 1b

Recognizing the great value of the homogeneous global instrumental (ISC-GEM) and Global historical (GHEC) earthquake catalogues, sponsored by GEM, for scientific and societal purposes,

IASPEI

strongly urges the community to continue to support these efforts.

- Unanimously adopted -

Resolution 1c

Recognizing the importance of standards in seismological observational practice,

IASPEI

encourages wider implementation and use of the ISF2.0 and QuakeML formats by seismological data centres and observatories.

- Adopted with 8 abstentions -

Resolution 2. ***Real-time Seismology and Earthquake Early Warning Systems***

Considering that earthquakes continue to cause substantial damage and loss of life globally, and

Noting that real-time seismology and earthquake early warning has the potential to play a very important role in the mitigation of earthquake disasters, and

Acknowledging the technical complexity related to the design, implementation, and operation of an earthquake early warning system, the need for the rapid access to critical data, and that these data may come from a variety of national and regional seismic networks,

IASPEI Closing Plenary
Wednesday, July 2, Prague, Czech republic

Resolution 2. (continued)

IASPEI

urges support for the research, development, and implementation (including the appropriate use) of earthquake early warning systems, the necessary associated open international exchange of real-time data, and cooperation in the application of that data for disaster mitigation purposes.

- Adopted with 1 dissentient vote -

Resolution 3. *Availability of Multidisciplinary Data for Earthquake Risk Mitigation*

Considering that a variety of data sources and types including GNSS, InSAR, broadband and strong motion seismic data, and other observations of crustal deformation in concert with integrative modeling better image earthquake processes; and

Noting that the ready access to archived and real-time data is critical to this integration;

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Resolution 3. (continued)

IASPEI

Urges:

- the continued and increased sharing of these data, particularly during major earthquake events;
 - their combined use in earthquake analyses in order to improve the ability to anticipate and respond to earthquake impacts to help mitigate earthquake disasters.
- Adopted with 3 abstentions -

IASPEI Closing Plenary
Wednesday, 1 July 2015, Prague, Czech Republic

Resolution 4: Appreciation

RECOGNISING the enormous effort required to organise the General Assembly,

IASPEI

THANKS and CONGRATULATES the IUGG Local Organizing Committee and its Chair Professor Vladimír ČERMÁK for the excellent organisation that has led to a most memorable meeting in Prague.

- Unanimously adopted -

12 From the President(s)

CLOSE OF PLENARY

Thanks to all of you for participating in this
IUGG/IASPEI General Assembly!

The new SG e-mail is: iaspei@norsar.no

We look forward to seeing you again at
the IASPEI/IAG 2017 General Assembly
in KOBE, Japan !

SAYŌNARA! さようなら !

IASPEI 2017

July 30 - August 4, 2017

Kobe, Japan



The 39th General Assembly of International Association
of Seismology and Physics of the Earth's Interior

Kobe International Conference Center



Co-hosted by Science Council of Japan (TBD) and Seismological Society of Japan