

MINUTES OF THE COUNCIL MEETINGS

25TH GENERAL ASSEMBLY, MELBOURNE, AUSTRALIA, 27 JUNE - 7 JULY 2011

MINUTES OF THE FIRST SESSION

MONDAY, 27 JUNE, 2007 (14:00 – 18:00), ROOM 106, MELBOURNE CONVENTION CENTRE

PARTICIPANTS

NATIONAL DELEGATES

Australia	Brian Kennett
Austria	Norbert Höggerl
Brazil	Marcelo Assumpção
Canada	Zoltan Hajnal
China	Jianping Li
Czech Republic	Vladimir Cermak
Denmark	Søren Gregersen
Estonia	Rein Rõõm
Finland	Elena Kozlovskaya
France	Jérôme Dymont
Hungary	József Ádám
India	Virendra Tiwari
Israel	Zev Levin
Italy	Giuliano Panza
Japan	Shiro Imawaki
Luxembourg	Tonie van Dam
F.Y.R. Macedonia	Cvetanka Popovska
New Zealand	David Rhoades
Nigeria	Dagogo Fubara
Norway	Ulf-Peter Hoppe
Poland	Jan Krynski
Portugal	João Agria Torres
Romania	Constantin Sava
Russia	Alexei D. Gvishiani
South Africa	Isabelle Ansonge
	Raymond Roman
	(alternate)
Sweden	Berit Arheimer
Thailand	Nopphadon Chotsiri
	Chaiwat Promthong
	(alternate)
Turkey	Onur Lenk
	Soner Özdemir
	(alternate)
United Kingdom	David Collins
United States of America	Priscilla Grew
Vietnam	Ha Duyen Chau

LISTENERS

Costa Rica	Marino Protti
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MEMBERS OF THE EXECUTIVE COMMITTEE

President	Tom Beer
Vice-President	Harsh Gupta
Secretary General	Alik Ismail-Zadeh
Treasurer	Aksel Hansen
Bureau Member	Yun-tai Chen
Bureau Member	David Jackson
President IACS	Ian Allison

President IAG	Michael Sideris
President IAGA	Eigil Friis-Christensen
President IAHS	Gordon Young
President IAMAS	Guoxiong Wu
President IAVCEI	Setsuya Nakada

MEMBERS OF THE FINANCE COMMITTEE

Chair	Juan F. Vilas
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GUESTS OF THE PRESIDENT ATTENDING THE FIRST SESSION OF THE COUNCIL

IUGG Liaison to CODATA	Charles Barton
Candidate for IUGG Bureau Member	Jaime U. Fucugauchi
Chair of Statutes and By-Laws Committee	David Kerridge,
IAMAS Assistant Secretary General	Jenny Lin
IUGG Liaison to SCOR	Mike MacCracken
Chair of the IRDR Scientific Committee	Gordon McBean
Chair of the ICSU Regional Office for Asia and the Pacific	Bruce McKellar
IUGG Assistant Secretary General	Simone Oswald
IAPSO Secretary General	Johan Rodhe
IUGS Councillor	Colin Simpson
IASPEI Secretary General	Peter Suhadolc
Deputy Director, BISO, National Academies of Sciences	Ester Szein

1. Greetings; Presentation of the credentials; election of tellers

The First Session of the Council Meeting was called to order at 14:00 and began with a roll call of delegates. 28 delegates were present at the opening, all of them eligible to vote. The total number of countries eligible to vote was 57 (69 minus 7 in observer status minus 5 in associate status). The quorum (19) was reached. Other delegates arrived in the course of the session, bringing the total to 31 with all eligible to vote.

Tom Beer welcomed all participants in the Council Meeting and informed them that the latest number of Assembly registrants is over 3,000. He also introduced Simone Oswald, IUGG Assistant

Secretary General, and Jenny Lin, the IAMAS Assistant Secretary General, who will help in taking the minutes and be the contact points in case of any problems.

Three tellers for voting matters were announced, namely Jenny Lin, Johan Rodhe, and Raymond Roman. The Council Members accepted the proposal by the President.

2. Approval of the Agenda

The Agenda was approved.

3. Approval of the Minutes of the Council Meeting in Perugia (2007)

The Minutes of the 2007 Council Meeting were distributed to the participants of the 2007 General Assembly for their comments, published in the Comptes Rendus of the 24th General Assembly, and also posted on the IUGG web page. The Minutes were approved.

4. Brief Reports of the Officers

President Tom Beer

Tom Beer summarized his activities since 2007 as detailed in his report in the Council Agenda Book. (Note: the quadrennial report of the President can be found in the Comptes Rendus of the 2011 IUGG General Assembly).

He especially highlighted the item on IUGG membership and expressed his concern about the decreasing attendance of National Delegates at IUGG General Assemblies. After the General Assembly in Perugia, Italy, he therefore tried to contact several IUGG members to find out why the delegates are not coming. Possible reasons are:

- Restructuring of the Adhering Body or the retirement of a long-serving IUGG National Committee Chair who had not managed to find appropriate new persons.
- Visa problems;
- Financial difficulties

Concerning the restructuring and retirement issues in the Adhering Bodies and National Committees, Tom Beer encouraged the Council Members to give some thought to their respective National Committee about the following questions:

- Does the National Committee need to be reconstituted?
- Are the Committee Members still active?
- Is there a realistic succession plan to handle retirements and resignations?
- Is the National Committee providing sufficient feedback to the Adhering Body?

Furthermore, he pointed out that regional geophysical groupings such as the American

Geophysical Union (AGU), the European Geosciences Union (EGU), and the Asian Oceania Geosciences Society (AOGS) are all very strong, robust and vibrant, but they have no direct voice in the IUGG affairs. To improve this situation, a Membership Committee, chaired by Aksel Hansen, was established. This Committee recommended a possible new Membership category and various classes of Membership, which will be discussed under item 8.

Vice-President Harsh Gupta

Harsh Gupta summarized his activities since 2007 as detailed in his report in the Council Agenda Book. (Note: the quadrennial report of the Vice-President can be found in the Comptes Rendus of the 2011 IUGG General Assembly).

Additionally, he mentioned that, during his visit to the GeoForschungsZentrum (GFZ) in Potsdam, Germany, he had a chance of discussing the possibilities of establishing an IUGG Secretariat in GFZ-Potsdam. HG mentioned that the GFZ-Potsdam sent a response, which has been discussed by the IUGG Bureau, and IUGG will reply accordingly.

Secretary General Alik Ismail-Zadeh

Alik Ismail-Zadeh summarized the activities of the Union since 2007 as detailed in his report in the Council Agenda Book. (Note: the quadrennial report of the Secretary General can be found in the Comptes Rendus of the 2011 IUGG General Assembly).

He especially highlighted the item of IUGG membership. Greece rejoined IUGG as a Regular Member; the Republic of Azerbaijan and the Former Yugoslav Republic of Macedonia became new Regular Members; Costa Rica and Georgia joined IUGG as Associate Members; Bulgaria moved to regular membership; and India enhanced its membership category. Three Associate Members, i.e., DR Congo, Ghana and Morocco, also became Regular Members thanks to the Royal Society of London, UK, which offered to pay their membership dues for the last three years.

He mentioned that IUGG has been involved in various activities of the International Council for Science (ICSU), especially emphasizing the International Polar Year, new ICSU programs related to integrated research on disaster risk, and the world data system. IUGG was involved in research and outreach programs of several international bodies dealing with the Earth system science, e.g., programs of UNESCO, IOC, IHP, IYPE, IPY, etc.

Treasurer Aksel Hansen

Aksel Hansen summarized his report on the financial status of the Union as detailed in the Council Agenda Book. (Note: the quadrennial report of the Treasurer can be found in the Comptes Rendus of the 2011 IUGG General Assembly).

IUGG currently has 69 members, i.e. 57 Regular Members, 7 Observers and 5 Associates. The Observers are: Greece and the Philippines in category 3, Egypt in category 2, Albania, Armenia, Ghana and Morocco in category 1.

Over the past years, IUGG has accumulated money. The new budget for 2012-2015 will increase expenditure of the Union on scientific programs and grants.

5. Review of IUGG Union Commissions

Harsh Gupta reported on the Union Commission activities. Detailed reports from the Union Commissions can be found in the Council Agenda Book (Note: the quadrennial reports of the Union Commissions can be found in the Comptes Rendus of the 2011 IUGG General Assembly).

The four Union Commissions are:

- Commission on Data and Information (UCDI),
- Commission on Geophysical Risk and Sustainability (GRC),
- Commission on Mathematical Geophysics (CMG), and
- Commission on the Study of the Earth's Deep Interior (SEDI).

All four Commissions have been very active for the last four years.

6. Matters of Membership

Several new admissions and re-admissions of new members to IUGG require a two-thirds absolute majority vote of the Council for final approval (IUGG Statute 18). A vote by hand was conducted. Tom Beer invited Alik Ismail-Zadeh to lead through this vote. Johan Rodhe, Raymond Roman, and Jenny Lin volunteered to tally the votes.

Alik Ismail-Zadeh especially noted that Greece currently has severe financial and political problems due to which no National Delegate from Greece could travel to the Council Meeting and Greece is in arrears with its membership payments. However, he was informed by the Greek National Committee President Dr. Christos Zerefos that Greece will pay its dues in arrears as soon as possible.

The matters requiring votes were presented in detail in the Council Agenda Book. The results are as follows:

Re-Admission: Greece as Regular Member (cat. 3)
For: 26; Against: 0; Abstain: 2

Admission: Azerbaijan as Regular Member (cat. 1)
For: 28; Against: 0; Abstain: 0

Admission: F.Y.R. Macedonia as Regular Member (cat. 1)
For: 28; Against: 0; Abstain: 0

Admission: Georgia as Associate Member
For: 28; Against: 0; Abstain: 0

Admission: Costa Rica as Associate Member
For: 28; Against: 0; Abstain: 0

7. Report of the Nominating Committee

Due to health problems, Masaru Kono, Chair of the Nominating Committee, was not able to attend the Council Meeting. On his behalf, Tom Beer read his report and introduced the nominees for the IUGG Bureau and IUGG Finance Committee.

As required by IUGG By-Laws 10b and 10c, one or two candidates have been nominated for each position. The positions and the nominated candidates were:

IUGG Bureau

President:	Harsh Gupta (India) David Jackson (USA)
Vice-President:	Michael Sideris (Canada) Guoxiong Wu (China)
Treasurer:	Aksel Hansen (Denmark)
Bureau Members (Positions #1, #2, #3):	Isabelle Jane Ansorge (South Africa) Jaime Urrutia Fucugauchi (Mexico) Pierre Hubert (France) Kenji Satake (Japan)

IUGG Finance Committee

Position #1:	Zoltan Hajnal (Canada)
Position #2:	David Rhoades (New Zealand)
Position #3 and #4:	David Collins (UK) Jan Krynski (Poland) Juan Vilas (Argentina)

In accordance with By-Law 10b, David Jackson's nomination was changed from the position of Vice-President, for which he had originally been nominated, to the position of President.

Regarding the nomination of the Treasurer, Tom Beer explained that this does not contradict By-Law 10a because Aksel Hansen is the sole candidate for this position and agreed to serve for another period if re-elected by the Council.

In terms of the Finance Committee, By-Law 10c is not clear enough on who can be nominated for this Committee. In order to clarify this By-Law, a change in the wording was proposed and will be discussed under item 8.

Brian Kennett (Australia) made aware of the fact that it seems possible to be Council Delegate and Finance Committee Member at the same time although both statuses have different rights in the Council.

The candidates for President and for Vice-President each gave a short presentation of their position statement.

Harsh Gupta would work to engage the younger generation of geoscientists into the activities of IUGG and Union Associations; interact with decision makers to share knowledge for a better future; cut down time in making decisions; set up a permanent secretariat for IUGG; interface with industry, particularly with the energy sector; contact foundations/trusts for IUGG projects.

David Jackson would make sure the integration of associations are really maintained. His plans if elected are: encourage young people to participate; open invitations to plan scientific programs; reduce the price of meetings; outreach to users of scientific information; special projects with user involvement; collaborate with sister unions on projects.

Michael Sideris would like to strengthen relations with UNESCO to increase IUGG's visibility. He hopes the Union will make more efforts to boost IUGG visibility to the general public. He would promote the involvement of the Union in developing countries.

Guoxiong Wu would like to use his knowledge in climate to enhance the Union's activities in climate sciences and to assist the President in coordinating activities concerning the preservation of the environment, adaptation of climate change and mitigation of natural hazards.

8. Proposed Changes of Statutes and By-Laws

Tom Beer invited David Kerridge, Chair of the Statutes and By-Laws Committee, to present the report given in the Council Agenda Book.

Eleven proposed changes to the Statutes and By-Laws were received by the Statutes and By-Laws Committee and were discussed in the Council. They are:

1. Affiliate membership of IUGG – to create a new category of membership to formalize linkages with other regional and international

organizations having an overlap with the scientific interest of IUGG;

2. Fellowship of IUGG – to create an IUGG award and a new category of membership to recognize the contributions that individuals have made to the benefit of IUGG;
3. Definition of a General Assembly – to define the term “General Assembly” to better reflect the present situation;
4. Changes to the Statutes and By-Laws – to clarify the process by which proposals to change the Statutes and By-Laws are brought forward for consideration and decision by the Council and to explicitly allow the IUGG Bureau to propose changes as well as Member Countries;
5. Applications to host an IUGG General Assembly – to allow Member Countries to submit proposals to host an IUGG General Assembly up to two Assemblies ahead for consideration by the Council;
6. Council Meeting at a General Assembly – to correct an inconsistency in By-Law 10b regarding the Council Meeting as a single meeting consisting of multiple sessions;
7. Election of the Finance Committee – to eliminate an ambiguity in By-Law 10c to clarify who can be elected to the Finance Committee;
8. Transfer from Observer status to Category A – to simplify and clarify Statute 14g;
9. Reviews of Associate Membership – to clarify the process by which Associate Membership is reviewed;
10. Applications for membership and transfer to Associate Membership – to improve the clarity of By-Law 14;
11. Changes to the IUGG By-Laws – to move Statute 25 to the By-Laws.

During discussions of the changes, Tom Beer mentioned that the Executive Committee of IUGG is not in favor of the proposal to change the procedure of submission proposals to host a general assembly, as an 8-year period in advance of a general assembly is too long, and the selection would be quite uncertain.

Constantin Sava, the Council Delegate of Romania, mentioned the importance of the definition of a General Assembly and supported the change to item 3. Jérôme Dymont, the Council Delegate from France, argued that affiliated organizations should be only non-profit. Tom Beer mentioned that the new Statute's clause does not distinguish between non-profit and profit affiliated organizations, because the acceptance of an organization as an Associate member by the IUGG Council should be based on scientific involvement of the organization in geodesy and/or geophysics.

A vote on the proposed changes of the Statutes and By-Laws will be taken in the third session of the Council Meeting.

9. Report on the proposals to host the XXVI General Assembly in 2015

IUGG received six bids to host the XXVI General Assembly in 2015. As Greece had withdrawn its bid due to financial problems, five bids remained to be decided on:

- Buenos Aires, Argentina
- Prague, Czech Republic
- Copenhagen, Denmark
- Hyderabad, India
- Honolulu, USA

Michel Béland, Chair of the Site Evaluation Committee, was not able to attend the General Assembly. Therefore, Kiyoshi Suyehiro, Member of the Site Evaluation Committee, agreed to act as the new Chair. He reported that the Site Evaluation Committee comprised the following members:

Chair: Kiyoshi Suyehiro
Members: Peter Suhadolc
Tom Beer (ex officio)
Alik Ismail-Zadeh (ex officio)

The Site Evaluation Committee will meet on 30 June 2011 where each of the bidder countries will make a presentation of 20 minutes plus 10 minutes for discussion to the Site Evaluation Committee. All Council Members are encouraged to attend this meeting to have the possibility to hear all bids. The Site Evaluation Committee then will prepare a short list of two countries, which will finally present their bids at the third session of the Council Meeting. A vote on the host of the XXVI General Assembly will be taken directly after these presentations.

Zev Levin, the Council Delegate from Israel, proposed two finalists to present their bids at the Second Session of the Council meeting. This proposal was seconded by Shiro Imawaki, the Council Delegate from Japan. Tom Beer called for a vote from the Council on the motion. The motion was lost.

After all items of the Agenda for the First Session of the Council Meeting had been discussed, Dagogo Fubara, the Council Delegate from Nigeria, commented on the visibility of IUGG which could be improved by running more summer schools in developing countries because many young scientists from Africa have problems to travel to the General Assemblies. Alik Ismail-Zadeh thanked Dagogo Fubara for his comment

and shortly introduced the new IUGG initiative to liaise with ICTP in order to improve the geodetic and geophysical education in developing countries, including Africa. Dagogo Fubara also supported the decision of IUGG to award medals, etc.

Finally, Tom Beer invited Gordon McBean to explain ICSU's work on capacity building for young people in the developing countries. Gordon McBean recalled his involvement in the IUGG and his present responsibilities in IRDR, a major initiative of ICSU involving national academies. ICSU has been bringing funding sources to support programs in Africa, Asia, etc. He appreciated IUGG's and GeoUnion's nomination of him to ICSU as a candidate for the position of President-Elect.

The First Session of the Council Meeting closed at 18:00.

MINUTES OF THE SECOND SESSION
SATURDAY, 2 JULY 2011 (10:00 – 13:00), ROOM 106, MELBOURNE CONVENTION CENTRE

PARTICIPANTS

NATIONAL DELEGATES

Argentina	Corina Risso Silvia Blanc (alternate)
Australia	Brian Kennett
Austria	Norbert Höggerl
Azerbaijan	Gulam Babayev
Belgium	Johan De Keyser
Brazil	Marcelo Assumpção Ana P. C. Larocca (alternate)
Canada	Zoltan Hajnal
Chile	Rodrigo Maturana Nadal
China	Jianping Li
China – Taipei	Shaw Chen Liu
Colombia	Laura Sanchez
Croatia	Mirko Orlic
Czech Republic	Vladimir Cermak
Denmark	Søren Gregersen
<i>Egypt</i>	<i>Ahmed Hady</i>
Finland	Elena Kozlovskaya
France	Jérôme Dymont Michel Menvielle (alternate)
Germany	Rainer Kind
Hungary	József Ádám
Iceland	Kristin Vogfjörð
India	Virendra Tiwari
Ireland	John Gamble
Israel	Zev Levin
Italy	Giuliano Panza
Japan	Shiro Imawaki
Luxembourg	Tonie van Dam
F.Y.R. Macedonia	Cvetanka Popovska
Mexico	Harald Böhnelt
New Zealand	David Rhoades
Nigeria	Dagogo Fubara
Norway	Ulf-Peter Hoppe
Poland	Jan Krynski
Portugal	João Agria Torres
Romania	Constantin Sava
Russia	Alexei D. Gvishiani
South Africa	Isabelle Ansoorge Raymond Roman (alternate)
Spain	Alicia García García
Sweden	Berit Arheimer
Switzerland	Marc Parlange
Thailand	Nopphadon Chotsiri Chaiwat Promthong (alternate)
Turkey	Onur Lenk
United Kingdom	David Collins
United States of America	Priscilla Grew
Vietnam	Ha Duyen Chau

Italics for Countries in Observer Status

LISTENERS

Costa Rica Marino Protti

MEMBERS OF THE EXECUTIVE COMMITTEE

President	Tom Beer
Vice-President	Harsh Gupta
Secretary General	Alik Ismail-Zadeh
Treasurer	Aksel Hansen
Bureau Member	Yun-tai Chen
Bureau Member	David Jackson
Past President	Uri Shamir
President IACS	Ian Allison
President IAG	Michael Sideris
President IAHS	Gordon Young
President IAMAS	Guoxiong Wu
President IAPSO	Lawrence Mysak
President IASPEI	Zhongliang Wu
President IAVCEI	Setsuya Nakada

MEMBERS OF THE FINANCE COMMITTEE

Chair	Juan F. Vilas
Member	Kiyoshi Suyehiro

GUESTS OF THE PRESIDENT ATTENDING THE SECOND SESSION OF THE COUNCIL MEETING

IUGG Liaison to CODATA	Charles Barton
IAHS Secretary General	Pierre Hubert
Secretary General of the Russian National Committee for IUGG	Roman Krasnoperov
IAMAS Assistant Secretary General	Jenny Lin
IUGG Liaison to SCOR	Mike MacCracken
IAGA Secretary General	Mioara Manda
IAVCEI Secretary General	Joan Martí
IUGG Assistant Secretary General	Simone Oswald
IAPSO Secretary General	Johan Rodhe
IUGS Councillor	Colin Simpson
IASPEI Secretary General	Peter Suhadolc
Deputy Director, BISO, National Academies of Sciences	Ester Sztajn
IAMAS Secretary General	Hans Volkert

The Second Session of the Council Meeting was called to order at 10:00 with a roll call of delegates. 40 delegates were present at the opening, 39 eligible to vote. The quorum (19) was reached. Other delegates arrived in the course of the session, bringing the total to 44 with 43 eligible to vote.

Kiyoshi Suyehiro, Chair of the Site Evaluation Committee, reported that the hearing's session was

given by five countries: Argentina, Czech Republic, Denmark, India, and the United States of America. The committee met after the hearing and individual scoring and voted for two finalists.

Tom Beer announced two finalists: Honolulu, Hawaii, USA, and Prague, Czech Republic.

10. Reports by Association Presidents

Council Delegates were asked to note the reports of the Associations available in the Council Agenda book. (Note: the quadrennial reports of the IUGG Associations can be found in the Comptes Rendus of the 2011 IUGG General Assembly).

The IUGG Associations Presidents reported on the activities of the associations from 2007-2011 and on the revision of statutes and by-laws.

IACS

Ian Allison reported that IACS already elected a new Bureau. The new officers of the IACS Bureau for 2011-13 are:

President:	Ian Allison (Australia)
President-elect:	Charles Fierz (Switzerland)
Secretary General:	Andrew Mackintosh (New Zealand)

IACS established several Working Groups and Standing Groups in the last four years. In addition, IACS has Joint Bodies, i.e. Working Groups or Standing Groups run jointly with other international organizations, e.g., SCAR and IASC.

Ian Allison highlighted two reference publications, namely *The International Classification for Seasonal Snow on the Ground* and *The Glossary of Glacier and Mass Balance Terms*, which are published by the UNESCO International Hydrological Programme (IHP).

Besides working together with SCAR, IASC and UNESCO IHP, IACS has also established liaisons to other international bodies, e.g., to the Intergovernmental Panel on Climate Change (IPCC) and the United Nations Framework Convention on Climate Change (UNFCCC).

The first Joint Assembly of IACS, IAMAS and IAPSO (MOCA-09) was held in Montreal, Canada, in 2009. The next Joint Assembly of IACS and IAMAS (DACA-13) will be held in Davos, Switzerland, in 2013.

IAG

Michael Sideris reported that IAG also elected a new Bureau and Executive Committee. The new officers of the IAG Bureau for 2011-2015 are:

President:	Chris Rizos (Australia)
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Vice-President:	Harald Schuh (Austria)
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Secretary General:	Hermann Drewes (Germany)
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Michael Sideris especially highlighted the Global Geodetic Observing System (GGOS), which became a major component of IAG in the last four years. Furthermore, a GGOS Inter-Agency Committee was established in order to support the sustainability of GGOS.

The IAG Scientific Assembly was held in Buenos Aires, Argentina, in 2009.

In the 2011 IUGG General Assembly, IAG has contributed 7 IAG led symposia, 6 joint symposia, 1 Union symposium, 1 Union lecture, and several joint symposia with other Associations. The next scientific assembly will be held in 2013, the year of 150th anniversary of IAG.

Nigerian delegate suggested IAG having a regional office in other continents, e.g. Africa. MS replied that IAG would like to have a regional office in Africa as long as there's a host country.

IAGA

Mioara Manda gave a report on the activities of IAGA.

She especially highlighted the IAGA Scientific Assembly held in Sopron, Hungary, in 2009, where five books on the outcome of this Assembly were published by Springer.

Mioara Manda also mentioned that the European Space Agency (ESA) will launch a new mission to attract and involve more young scientists in 2012.

IAHS

Gordon Young first pointed out that IAHS is having its 90th anniversary in 2012.

The IAHS Scientific Assembly was held jointly with the International Association of Hydrogeologists (IAH) in Hyderabad, India, in 2009.

Gordon Young brought special attention to the decade of the Working Group on the Prediction in Ungauged Basins (PUB) being the major and extremely successful initiative of IAHS. 1400 hydrologists from around the world are currently working in this initiative.

IAHS has a very strong publication output. From 2007-2010, the IAHS Press published among others the *Hydrological Sciences Journal*, 31 *Red Books*, 2 *Blue Books* and 8 volumes in the *Benchmark Series*. Six further *Red Books* are already printed for the current IUGG General Assembly, two of which are joint with other sister Associations. IAHS publications, which are older

than 5 years are made freely available on the internet.

Gordon Young emphasized that IAHS strongly cooperates with other international organizations especially with UNESCO IHP, the World Meteorological Organization (WMO) and the International Atomic Energy Agency (IAEA).

The next Joint Assembly of IAHS, IAPSO and IASPEI will be held in Gothenburg, Sweden, in 2013.

IAMAS

Guoxiong Wu reported on the broad activities of IAMAS. Particularly, he mentioned that IAMAS has liaisons to the ICSU Scientific Committee on Oceanic Research (SCOR), the ICSU Scientific Committee on Antarctic Research (SCAR) and to the World Climate Research Programme (WCRP). The International Ozone Commission (IO3C) of IAMAS and IUGG signed a Letter of Agreement with WMO to establish an ad hoc expert team.

He also proposed the establishment of an IUGG Union Commission on Climate as climate change becomes more and more important scientific and political issues. ICSU established several panels and activities on climate, and IUGG is very active and important in the geosciences but has only a little voice in this issue through the International Commission on Climate of IAMAS. As climate is also a multi-disciplinary science, he has approached WCRP and the Presidents of IACS, IAHS, IAPSO and IAVCEI who showed their support. In order to get this commission working, a Task Force, chaired by Tom Beer, and with the mentioned Association Presidents as potential members, is proposed to be set up. IAG, IAGA and IASPEI were asked whether they support this proposal as well and gave positive feedback.

IAPSO

Lawrence Mysak reported that IAPSO also elected its new Bureau and Executive Committee. The members of the Bureau for 2011-2015 are:

President:	Eugene Morozov (Russia)
Past President:	Lawrence Mysak (Canada)

Secretary General:	Johan Rodhe (Sweden)
Treasurer:	Fred Camfield (USA)

Lawrence Mysak emphasized that IAPSO is closely working together and has also several joint Working Groups with SCOR.

He also highlighted the presentation of the Prince Albert 1 Medal, which was awarded to Dr. Trevor McDougall at the IUGG General Assembly in Melbourne. The next medal will be awarded at the

Joint Assembly of IAPSO, IAHS and IASPEI in Gothenburg, Sweden, in 2013.

A new resolution to adopt the International Thermodynamic Equation Of Seawater (TEOS-10) was approved by the IAPSO Bureau and will be submitted to Uri Shamir, Chair of the IUGG Resolutions Committee.

IASPEI

Zhongliang Wu reported that the last IASPEI Scientific Assembly took place in Cape Town, South Africa, in 2009. This was the first time that a Scientific Assembly was held in an African country.

He especially highlighted the Asian Seismological Commission (ASC) and the European Seismological Commission (ESC) of IASPEI, which are very active.

IASPEI issued many scientific products such as technical standards and recommendations, seismological software, training courses, earth models and travel time tables.

Furthermore, IASPEI cooperated with many international organizations, e.g., in the *Global Earthquake Model (GEM)* project with the International Association of Earthquake Engineering and Seismology (IAEE), and in the *Networking of world seismologists* project with the *International Seismological Centre (ISC)*, in which IASPEI and ISC will develop and maintain a worldwide registry of seismologists and geophysicists (also in countries not adhering to IUGG) who are willing to act as contact points in their country with a special focus on developing countries. This registry will be available for scientific and research institutions, governmental bodies, charitable and relief organizations and media following natural extreme events. After several devastating earthquakes in the last four years, this networking project was established to improve international activity, which had not really been present.

Since 2007, IASPEI has collected, evaluated and implemented many successful resolutions.

Giuliano Panza, the Council Delegate from Italy, commented on the IUGG statement "Freedom to Conduct Science and Responsibilities of Scientists". He stressed the importance of having complete information about the situation after the 2009 L'Aquila earthquake and the manslaughter trial of several Italian seismologists and a government official. The legal system, if duly respected, can help scientists and science in general; so a caution is needed in supporting not fully proven statements.

IAVCEI

In his report, Setsuya Nakada highlighted that IAVCEI started its own grants program in 2009 with supporting project proposals with up to EUR 20,000 each.

In addition, IAVCEI issued together with IUGG the Statement on Volcanic Ash Clouds and the Statement on Volcanological and Meteorological Support for Volcanic Ash Monitoring.

IAVCEI also issued several special publications, online textbooks and calendars.

The IAVCEI Scientific Assembly took place in Reykjavik, Iceland, in 2008.

Setsuya Nakada shortly explained the changes proposed to be made to the IAVCEI Statutes and By-Laws. The most important change is that only National Correspondents are allowed to vote on Association business. Additionally, IAVCEI removed the need to pay to become an IAVCEI member. The category of Donating Affiliate was introduced instead.

The new IAVCEI Bureau from 2011-2015, which was approved later during the IUGG General Assembly, consists of the following members:

President:	Ray Cas (Australia)
Vice Presidents:	Hugo Delgado Granados (Mexico)
	Steve Self (UK)
Secretary General:	Joan Martí (Spain)

The Council Delegates were asked to approve the reports. The reports were approved unanimously.

11. Report on Inter-Union Activities

Alik Ismail-Zadeh summarized the reports on the activities of the International Lithosphere Program (ILP) and the GeoUnions Consortium. Detailed reports can be found in the Council Agenda Book. (Note: the quadrennial report of the International Lithosphere Program can be found in the Comptes Rendus of the 2011 IUGG General Assembly).

International Lithosphere Program (ILP)

ILP is a joint body of IUGG and the International Union of Geological Sciences (IUGS).

IUGG appointed two representatives to the ILP Bureau for the term 2007-2011, namely Kevin Furlong (USA) and Kalanchand Sain (India). Alan Green (Switzerland) is the joint IUGS/IUGG representative.

ILP holds annual meetings where the results and further tasks of its Task Forces and Regional Coordinating Committees are discussed. Furthermore, an ILP award is given to young

excellent scientists active within the ILP Task Forces.

The Program is also a founding member of the International Year of Planet Earth (IYPE) and still supports it. In the context of IYPE, ILP produced a first volume, entitled *New Frontiers in Integrated Solid Earth Sciences*, which was published by Springer in a series on the highlights of the IYPE.

Alik Ismail-Zadeh especially noted that more than 800 publications, about 20 special volumes, and 2 books were published on ILP themes.

The report on the ILP activities was approved unanimously by the Council Delegates.

The GeoUnions Consortium

Eight ICSU Scientific Unions that focus on geosciences form the GeoUnions Consortium:

the International Astronomical Union (IAU), the International Geographical Union (IGU), the International Union for Quaternary Research (INQUA), the International Society of Photogrammetry and Remote Sensing (ISPRS), the International Union of Geological Sciences (IUGS), the International Union of Soil Sciences (IUSS), the International Union of Radio Science (URSI), and IUGG.

The leaders of the Unions meet annually to coordinate their activities and to cooperate on trans-disciplinary topics. After its foundation in 2004, the Consortium is now a very strong forum. It is perceived by ICSU with great enthusiasm and viewed as a model for other Unions to follow.

A joint Science Program was developed with four topics, each led by a GeoUnion:

- Health and Well-Being (ISPRS),
- Natural Hazards and Disaster Risk (IUGG),
- Geosciences in Africa (IUGG), and
- Data and Information (IUGS).

The first three teams set up to prepare a scientific program on the topics progressed very well and received grants from ICSU. In this context, Alik Ismail-Zadeh highlighted the ICSU sponsored project on Extreme Natural Hazards and Societal Implications (ENHANS) led by IUGG and supported by many other Scientific Unions, Commissions and Committees of ICSU and the United Nations.

He finally mentioned the efforts to strengthen the collaboration between the ICSU GeoUnions and UNESCO.

12. Relations with ICSU

Alik Ismail-Zadeh summarized his report on the relations with the International Council for Science

(ICSU). A detailed report can be found in the Council Agenda Book.

Several IUGG officers (still) have key roles within ICSU, e.g., Uri Shamir as representative of the GeoUnions was re-elected in 2008 to the Executive Board of ICSU, Harsh Gupta was selected as a member of the ICSU Committee on Scientific Planning and Review (CSPR), Gordon McBean was nominated by IUGG for the position of the ICSU President-elect.

IUGG has been a very active participant in ICSU programs, IUGG people were selected to serve for several ICSU panels and working groups, e.g., in the Scientific Committee of the Integrated Research and Disaster Risk, the Scientific Committee of the ICSU World Data System, and the ICSU Strategic Coordinating Committee on Data and Information.

IUGG kept very good relations with the three ICSU Regional Offices, namely the Regional Office for Africa, the Regional Office for Asia and the Pacific and the Regional Office for Latin America and the Caribbean, and appointed liaisons to each of these three Offices. A fourth Regional Office for the Middle-East Region will soon be established by ICSU, and IUGG hopes to also establish very good links to this Office.

Starting from 2012, ICSU will introduce a new dues structure, in which IUGG, being the Union with the high membership income, continues to pay (together with three other ICSU Scientific Unions) the highest membership dues to ICSU. Since the appointment of the new Director of ICSU in 2008, IUGG improved significantly relationship with the ICSU Secretariat.

Uri Shamir, Past President of IUGG and the ICSU Ordinary Board Member representing the GeoUnions cluster in ICSU, mentioned the importance of cooperation between the GeoUnions and of cooperation of the Unions with regional offices of ICSU.

No comments or questions were raised by the Council.

13. Reports from Liaisons to ICSU Commissions and Committees

In order to conserve time, Alik Ismail-Zadeh referred the Council to the reports in the Agenda Book and only briefly reviewed each of the organizations. He welcomed any comments and questions by the Council.

- Committee on Data for Science and Technology (CODATA),
- Committee on Space Research (COSPAR),

- Federation of Astronomical and Geophysical Data Analysis Services (FAGS)/ World Data System (WDS),
- ICSU Regional Office for Africa,
- ICSU Regional Office for Asia and the Pacific,
- ICSU Regional Office for Latin America and the Caribbean,
- Scientific Committee on Antarctic Research (SCAR),
- Scientific Committee on the Problems of the Environment (SCOPE),
- Scientific Committee on Oceanic Research (SCOR),
- Scientific Committee on Solar-Terrestrial Physics (SCOSTEP)

Of special note was the discontinuation of the liaison to the ICSU Scientific Committee on the Problems of the Environment (SCOPE). As SCOPE was disconnected from ICSU, the Bureau decided to not appoint a liaison to the Committee for the term 2011-2015. New liaisons were recommended and voted on in the Third Session of the Council Meeting.

No comments or questions were raised by the Council. The reports of the liaisons were accepted unanimously.

14. Reports from Liaisons to intergovernmental and other organizations

Alik Ismail-Zadeh continued to briefly review on these reports in the Council Agenda Book.

- Cartographic Office of the United Nations,
- International Civil Aviation Organization (ICAO),
- International Lithosphere Program (ILP),
- Pan-American Institute of Geography and History (PAIGH),
- UNESCO International Hydrological Programme (IHP),
- UNESCO Intergovernmental Oceanographic Commission (IOC),
- World Climate Research Programme (WCRP),
- World Meteorological Organization (WMO)

No comments or questions were raised by the Council. The reports of the liaisons were accepted unanimously.

15. Report of the IUGG Finance Committee

Juan Vilas presented the report of the Finance Committee highlighting the problem of a systematic sub-application of the budget and the

recommendation by the Finance Committee to calculate the budget for the next quadrennium with a deficit. A reserve for cases of emergency should be kept.

The report of the Finance Committee was accepted by the Council.

16. Presentation of the 2012-2015 Budget

Aksel Hansen discussed the proposed budget. As recommended by the Finance Committee, the surplus of the last quadrennia as well as a reserve were taken into account in the new budget. The reserve was set at 1½ year's turnover.

Aksel Hansen noted that the budget proposed in the original Agenda book has been replaced by a new draft, appended to the Council Minutes. He highlighted the significant changes, then went through the budget line by line and answered questions as they were asked.

A final vote to adopt the 2012-2015 Budget took place in the Third Session of the Council Meeting.

The Second Session of the Council Meeting closed at 13:00.

MINUTES OF THE THIRD SESSION
WEDNESDAY, 6 JULY 2011 (15:00 – 18:00), ROOM 203, MELBOURNE CONVENTION CENTRE

PARTICIPANTS

NATIONAL DELEGATES

Argentina	Corina Risso
Australia	Ian Jackson
Austria	Norbert Höggerl
Belgium	Johan De Keyser
Brazil	Ana P. C. Larocca
Canada	Zoltan Hajnal
Chile	Rodrigo Maturana Nadal
China	Jianping Li
Colombia	Laura Sanchez
Croatia	Mirko Orlic
Czech Republic	Vladimir Cermak
Denmark	Søren Gregersen
<i>Egypt</i>	<i>Ahmed Hady</i>
Estonia	Rein Rõõm
Finland	Elena Kozlovskaya
France	Jérôme Dymont
	Michel Menvielle (alternate)
Germany	Rainer Kind
Hungary	József Ádám
Iceland	Kristin Vogfjörð
India	Virendra Tiwari
Ireland	John Gamble
Italy	Giuliano Panza
Japan	Shiro Imawaki
Korea	Duk-Jin Kim
Luxembourg	Tonie van Dam
F.Y.R. Macedonia	Cvetanka Popovska
Mexico	Harald Böhnelt
New Zealand	David Rhoades
Norway	Ulf-Peter Hoppe
Pakistan	Noor Elahi
Poland	Jan Krynski
Portugal	João Agria Torres
Romania	Constantin Sava
Russia	Alexei D. Gvishiani
Slovak Republic	Jozef Brestenský
South Africa	Isabelle Ansorge
	Raymond Roman (alternate)
Spain	Alicia García García
Sweden	Berit Arheimer
Thailand	Nopphadon Chotsiri
	Chaiwat Promthong (alternate)
Turkey	Onur Lenk
United Kingdom	David Collins
USA	Priscilla Grew
Vietnam	Ha Duyen Chau

Italics for Countries in Observer Status

LISTENERS

Costa Rica	Marino Protti
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MEMBERS OF THE EXECUTIVE COMMITTEE

President	Tom Beer
Vice-President	Harsh Gupta
Secretary General	Alik Ismail-Zadeh
Treasurer	Aksel Hansen
Member	Yun-tai Chen
Member	David Jackson
Asst. Secretary General	Simone Oswald
Past President	Uri Shamir
President IAG	Michael Sideris
President IAGA	Eigil Friis-Christensen
President IAHS	Gordon Young
President IAMAS	Guoxiong Wu
President IAPSO	Lawrence Mysak
President IAVCEI	Setsuya Nakada

MEMBERS OF THE FINANCE COMMITTEE

Chair	Juan Francisco Vilas
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**GUESTS OF THE PRESIDENT ATTENDING THE
THIRD SESSION OF THE COUNCIL**

IAHS Secretary General - elect	Christophe Cudennec
IAG Secretary General	Hermann Drewes
Presenter IUGG 2015 bid for the U.S.	Jeff Freymueller
Presenter IUGG 2015 bid for the Czech Republic	Petr Holota
IAHS Secretary General	Pierre Hubert
Chair of Statutes and By-Laws Committee	David Kerridge
Secretary General of the Russian National Committee	Roman Krasnoperov
IACS Secretary General	Manfred Lange
IAMAS Assistant Secretary General	Jenny Lin
IUGG Liaison to SCOR	Mike MacCracken
IAGA Secretary General	Mioara Manda
IAG Vice-President	Harald Schuh
IASPEI Secretary General	Peter Suhadolc
Presenter IUGG 2015 bid for the Czech Republic	Pavel Susak
Presenter IUGG 2015 bid for the Czech Republic	Daniel Svarc
Deputy Director, BISO, National Academies of Sciences	Ester Szein
IAMAS Secretary General	Hans Volkert
Presenter IUGG 2015 bid for the U.S.	Brenda Weaver

The Third Session of the Council Meeting was called to order at 15:00 with a roll call of delegates. 43 delegates were present at the opening, 42 eligible to vote. The quorum (19) was reached.

Delegates from Azerbaijan, China-Taipei, Israel, Nigeria, and Switzerland had deposited their votes with the IUGG President for matters to be taken up at the Third Session. One Delegate was not able to vote. Therefore, 46 votes were cast.

Manfred Lange, Jenny Lin, Peter Suhadolc and Raymond Roman were appointed as tellers.

Tom Beer also reminded the Council Delegates about the Closing Ceremony taking place on 7 July from 16:30-18:00 followed by a farewell reception.

Tom Beer invited the National Committees having given note to the Secretary General that they wish to present their National Reports to hold their presentations during the time the votes were being cast. Alexei Gvishiani (Russia), Onur Lenk (Turkey), Constantin Sava (Romania) and Virendra Tiwari (India) shortly presented their respective National Reports. Following a request from the Hungarian Council Delegate, Tom Beer also recommended the Council Delegates to check their pigeonholes for an announcement of the Hungarian National Report.

17. Adoption of the 2012-2015 Budget

The Council was asked to vote on the 2012-2015 Budget presented in the Second Session of the Council Meeting. Votes on financial matters are weighted by category. The results are given below.

For: 150 Against: 0 Abstain: 4

The 2012-2015 Budget was adopted.

18. Election of IUGG Officers

The Council was asked to elect the IUGG Officers for the term 2012-2015. All candidates were announced in the First Session of the Council Meeting. No further comments or questions were asked by the Council. This vote requires a simple majority of all ballots cast. For the position of President, Harsh Gupta was elected. For the position of Vice-President, Michael Sideris was elected. The three Bureau Members elected are Isabelle Ansorge, Pierre Hubert and Kenji Satake. David Collins, Zoltan Hajnal, Jan Krynski and David Rhoades are the elected Finance Committee members for the term 2011-2015. The actual vote tallies are given below:

Candidate	For	Against	Abstain
Harsh Gupta for President	27	0	0
David Jackson for President	19	0	0
Michael Sideris * for Vice-President	31	0	0
Guoxiong Wu *	14	0	0

* 1 ballot for the vote of the Vice-President was invalid.

for Vice-President			
Aksel Hansen for Treasurer	46	0	0
Isabelle Ansorge for Bureau Member	38	0	0
Jaime Fucugauchi for Bureau Member	29	0	0
Pierre Hubert for Bureau Member	31	0	0
Kenji Satake for Bureau Member	34	0	0
Zoltan Hajnal for Finance Committee	45	0	1
David Rhoades for Finance Committee	46	0	0
David Collins for Finance Committee	32	0	0
Jan Krynski for Finance Committee	29	0	0
Juan Vilas for Finance Committee	28	0	0

19. Presentations of the proposals to host the XXVI General Assembly. Selection of the venue of the XXVI General Assembly.

Out of five bids to hold the XXVI IUGG General Assembly, the two finalists chosen by the IUGG Site Evaluation Committee at their meeting on 30 June were Honolulu, USA, and Prague, Czech Republic. Tom Beer invited the presenters of the respective bids to give a short presentation of five minutes to the Council.

Following this, the Council was asked to vote on these two venues. The results were as follows:

2015 GA venue	Votes
Honolulu, USA	20
Prague, Czech Republic	26

The XXVI IUGG General Assembly will take place in Prague, Czech Republic.

20. Vote on proposed changes of Statutes and By-Laws

Before the vote on each proposed change to the IUGG Statutes and By-Laws, David Kerridge answered last questions that arose. Except for the proposal on the applications to host an IUGG General Assembly, all proposed changes were accepted by the Council. The changes to the Statutes and By-Laws come into effect directly after the close of the General Assembly. The results of each vote are given below.

Proposal	For	Against	Abstain	Invalid ballots
1. Affiliate membership	36	5	3	2
2. Fellowship	44	1	1	0

of IUGG				
3. Definition of a General Assembly	45	0	0	1
4. Changes to Statutes and By-Laws	46	0	0	0
5. Applications to host an IUGG General Assembly	22	21	2	1
6. Council Meeting at a General Assembly	45	0	0	1
7. Election of the Finance Committee	45	0	0	1
8. Transfer from Observer status to Category A	44	2	0	0
9. Reviews of Associate Membership	43	0	1	2
10. Applications for membership and transfer to Associate Membership	43	1	1	1
11. Changes to the IUGG By-Laws	46	0	0	0

21. Renewal of the IUGG liaison officers for 2011-2015

Alik Ismail-Zadeh presented the following table of proposed liaison appointments to the Council. As noted in item 13, the liaison to SCOPE will be discontinued. Tom Beer then asked the Council to approve the appointments and there was no dissent.

Organization	Liaisons 2011-2015
U.N. Cartographic Office	Luiz Paulo Souto Fortes (BRAZIL)
UNESCO IHP	Pierre Hubert (FRANCE)
UNESCO IOC	Stefania Sparnocchia (ITALY)
WMO	Arthur Askew (SWITZERLAND) Arnau Folch (SPAIN) Hans Volkert (GERMANY)

ICAO	William Rose (USA) Marianne Guffanti (USA)
PAIGH	Hermann Drewes (GERMANY)
CCTF	Claude Boucher (FRANCE)
CODATA	Alexei Gvishiani (RUSSIA) Mark Parsons (USA)
COSPAR	Eric Donovan (CANADA)
IRDR	Kuniyoshi Takeuchi (JAPAN)
ICSU Regional Office for Africa	Isabelle Ansorge (SOUTH AFRICA) Ali Tealeb (EGYPT)
ICSU Regional Office for Asia and the Pacific	Sukanta Roy (INDIA) Sri Widiyantoro (INDONESIA)
ICSU Regional Office for Latin America and the Caribbean	Jaime U. Fucugauchi (MEXICO)
SCAR	Ian Allison (AUSTRALIA)
SCOR	Athena Coustenis (FRANCE) Eugene Morozov (RUSSIA)
SCOSTEP	Vladimir Kuznetsov (RUSSIA)
WCRP	Tom Beer (AUSTRALIA)
WDS	Ruth Neilan (USA)

22. Presentation and adoption of the Resolutions

Uri Shamir, Chair of the Resolutions Committee, began his report by introducing the members of the Resolutions Committee: Jozsef Adam, Pierre Hubert, and Georg Kaser. Associations had been asked to submit their Resolutions to the Resolutions Committee. Each Resolution was then examined by the Resolutions Committee and carefully considered by the IUGG Executive Committee before being brought to the Council. Four Resolutions plus one traditional Resolution of Thanks of IUGG to all organizers of the 2011 General Assembly were put on screen, read and commented by Uri Shamir. He welcomed questions and comments by the Council. All Resolutions were reviewed in British English. Pierre Hubert translated all Resolutions into French (Français du Midi).

[The final versions of the Resolutions that were adopted will be presented in the Comptes Rendus as a separate section.]

Resolution 1: Standardised schemes for the terminology for glacier mass balance measurements and for classification of snow on the ground, submitted by IACS.

Resolution 2: Gravity and magnetic field satellite missions, submitted by IAG and IAGA and endorsed by the Union Commission on the Study of the Earth's Deep Interior (SEDI).

Resolution 3: Second Realization of the International Celestial Reference Frame, submitted by IAG.

Resolution 4: Adoption of the International Thermodynamic Equation Of Seawater – 2010 (TEOS-10), submitted by IAPSO.

Resolution 5: Thanks.

Following brief discussion, Tom Beer asked the Council to vote on the Resolutions. The Resolutions passed with one abstention.

Uri Shamir also noted that several Resolutions and Statements were adopted by the IUGG Executive Committee during the inter-General Assemblies period, which are:

- Special Resolution "Science on Natural Hazards and Environmental Disasters", 29 January 2010
- Statement "Volcanic Ash Clouds", 20 April 2010
- Statement "Volcanological and Meteorological Support for Volcanic Ash Monitoring", 28 May 2010
- Statement "Freedom to Conduct Science and Responsibilities of Scientists", 28 June 2010
- Statement "The Great East Japan Earthquake and Tsunami", 18 April 2011

There was no dissent by the Council.

Closing remarks

Tom Beer thanked all Council Members, Committees and organizers of the General Assembly for their help and assistance to make the Assembly such a success. He invited all Members to make their comments for the improvement of future General Assemblies known to IUGG.

Tom Beer reminded the Council about the Closing Ceremony where the video of IUGG will be shown again.

Tom Beer declared that the Council of Delegates to the XXV General Assembly was adjourned at 18:00.

IUGG Budget 2012 - 15, approved 6 July 2011, Melbourne

Based on discussions at Bureau meetings in Cairo, 2010, and in Melbourne

Approved by Finance Committee and Executive Committee in Melbourne, 2011

All figures, except the value and number of units, are in thousands of US dollars

						Total
Year	2011	2012	2013	2014	2015	2012-2015
Estimated unit value	\$1.750	\$1.800	\$1.835	\$1.870	\$1.900	\$1.851
Estimated number of units	275	275	275	275	275	1100
INCOME						
1. MEMBERSHIP DUES	481,3	495,0	504,6	514,2	522,5	2036,3
2. ASSEMBLY SURCHARGE					20,0	20,0
3. SALES OF PUBLICATIONS, ETC		0,2	0,2	0,2	0,2	0,8
4. MISCELLANEOUS (interest)		12,5	12,5	12,5	12,5	50,0
5. ICSU GRANTS		30,0				30,0
6. TOTAL INCOME		537,7	517,3	526,9	555,2	2137,1
7. BALANCE 1/1		766,6	708,7	638,5	588,1	
EXPENDITURES						
11. ADMINISTRATION		104,0	119,0	104,0	143,0	470,0
11.1 Personnel		20,0	20,0	20,0	20,0	80,0
11.2 Equipment		5,0	5,0	5,0	5,0	20,0
11.3 Supplies		5,0	5,0	5,0	5,0	20,0
11.4 Communication		8,0	8,0	8,0	8,0	32,0
11.5 Travel, organizational		50,0	65,0	50,0	70,0	235,0
11.6 Miscellaneous		1,0	1,0	1,0	5,0	8,0
11.7 Travel, representative		15,0	15,0	15,0	30,0	75,0
12. NEW INITIATIVES		60,0	60,0	60,0	60,0	240,0
12.1 Education and outreach		30,0	30,0	30,0	30,0	120,0
12.2 Science		30,0	30,0	30,0	30,0	120,0
13. ASSEMBLIES		0,0	0,0	0,0	70,0	70,0
13.1 Organization		0,0	0,0	0,0	10,0	10,0
13.2 Travel Grants		0,0	0,0	0,0	60,0	60,0
14. SYMPOSIA		30,0	30,0	30,0	0,0	90,0
14.1 Symposia		30,0	30,0	30,0	0,0	90,0
15. ASSOCIATIONS		240,6	247,5	252,3	257,1	997,5
15.1 Allocations		240,6	247,5	252,3	257,1	997,5
16. DUES		25,0	25,0	25,0	25,0	100,0
16.1 ICSU		25,0	25,0	25,0	25,0	100,0
17. ICSU GRANTS		30,0				30,0
17.1 eGY-Africa		30,0				30,0
18. UNION ACTIVITIES		93,0	93,0	93,0	93,0	372,0
18.1 GRC, SEDI, CMG, UCDI		18,0	18,0	18,0	18,0	72,0
18.2 Inter-Union Science (ILP)		15,0	15,0	15,0	15,0	60,0
18.3 Liaison Officers		30,0	30,0	30,0	30,0	120,0
18.4 International Scientific Programs		25,0	25,0	25,0	25,0	100,0
18.5 New commissions		5,0	5,0	5,0	5,0	20,0
19. COUNTRIES IN NEED		0,0	0,0	0,0	90,0	90,0
19.1 Travel Grants, General Assemblies		0,0	0,0	0,0	90,0	90,0
20. FEES		8,0	8,0	8,0	8,0	32,0
20.1 Professional Services		5,0	5,0	5,0	5,0	20,0
20.2 Bank Fees		3,0	3,0	3,0	3,0	12,0
21. CONTINGENCIES		5,0	5,0	5,0	5,0	20,0
22. TOTAL EXPENDITURES		595,6	587,5	577,3	751,1	2511,5
23. BALANCE 12/31		708,7	638,5	588,1	392,2	

The shaded lines under EXPENDITURES represent subtotals for each line of expenditures

18.1	GRC	8	8	8	8
	SEDI	4	4	4	4
	CMG	4	4	4	4
	UCDI	2	2	2	2
	SUM	18	18	18	18