

MINUTES OF THE COUNCIL MEETINGS
28TH GENERAL ASSEMBLY, BERLIN, GERMANY, 12-18 JULY 2023

MINUTES OF THE FIRST SESSION
WEDNESDAY, 12 JULY, 2023 (14:00 – 18:00), ROOM A5, CITY CUBE BERLIN

PARTICIPANTS

NATIONAL DELEGATES

Argentina	Ezequiel Antokoletz
Australia	Trevor McDougall
Austria	Wolfgang Lenhardt
Belgium	Philippe Huybrechts
Canada	Fiona Darbyshire
Chile	Pedro Castillo F. (alternate)
China	Yi-Gang Xu Zhifeng Ding (alternate)
China-Taipei	Kuo-Fong Ma
Costa Rica	Marino Protti
Croatia	Mirko Orlic
Denmark	Aksel Walløe Hansen
Estonia	Artu Ellmann
Finland	Jyri Näränen
France	Pierre Briole
Germany	Jürgen Müller
Hungary	Judit Bartholy
India	Virendra Tiwari (alternate)
Indonesia	Mohamad Arief Syafii Yan Anugrah Rahmawan (alternate)
Israel	Colin Price
Italy	Fausto Guzzetti
Japan	Kumiko Goto-Azuma
New Zealand	Dionne Hansen
Poland	Jan Krynski
Portugal	Fernando Carrilho
Romania	Constantin Stefan Sava
Slovenia	Polona Vreca
South Africa	Isabelle Ansorge
Spain	Marcelino Valdes Perez de (alternate)
Sweden	Per Holmlund
Switzerland	Charles Fierz (alternate)
Thailand	Kriengkrai Boonter Sarayut Yousamran
United Kingdom	Kate Heal
United States of America	Efi Foufoula (alternate)

LISTENER (OBSERVER COUNTRY)

Brazil	Marcelo Sousa De Assumpcao
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MEMBERS OF THE EXECUTIVE COMMITTEE

IUGG President	Kathy Whaler
IUGG President-Elect	Chris Rizos
IUGG Secretary General	Alexander Rudloff
IUGG Treasurer	Niels Andersen
IUGG Bureau Member	Stephen McNutt
IUGG Bureau Member	Eduard Petrovsky
IUGG Bureau Member	Jun Xia
IAG President	Zuheir Altamimi
IAGA President	Mioara Mandea
IASPEI President	Kenji Satake
IAVCEI President	Patrick Allard
IUGG Immediate Past President	Michael G. Sideris

MEMBERS OF THE FINANCE COMMITTEE

Chair	Corina Risso
Member	Priscilla Grew

SECRETARIAT

IUGG Executive Secretary (Minute Taker)	Franz Kuglitsch
IUGG Assistant	Katrin Gundrum

GUESTS OF THE PRESIDENT

CMG Chair	Alik Ismail-Zadeh
IACS Vice-President	Ming Hu Ding
IACS Vice-President	Andrew Mackintosh
IAGA Secretary General	Monika Korte
IAHS Secretary General	Christophe Cudennec
Nominating Committee, Chair	Harsh Gupta
Bureau Member, Candidate	Athena Coustenis
Inkomati Usuthu Catchment Management Agency, South Africa	Tendai Sawunyama

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. Delegates from 34 member countries were present at the opening. Delegates from 33 member countries were eligible to vote. The total number of countries eligible to vote was 45 (73 minus 14 in observer status minus 14 in associate status). The quorum (15) was reached.

Kathy Whaler welcomed all participants to the Council Meeting. She proposed to appoint Katrin Gundrum, Monika Korte, and Michael G. Sideris as the three tellers for voting matters. Charles Fierz, Council Delegate of Switzerland, proposed, seconded by Fiona Darbyshire, Council Delegate of Canada, to accept the three tellers. A vote by hand was conducted. The Council Delegates accepted the proposal unanimously.

Kathy Whaler noted that the Council Meetings are voice-recorded to write the minutes.

2. Approval of the Agenda

Franz Kuglitsch presented the agenda of the Council Meeting. He mentioned that most of the supporting material was shared with the Council Delegates in advance and that all supporting material and presentations for each agenda item is available [here](#). Virendra Tiwari, Council Delegate of India, proposed, seconded by Wolfgang Lenhardt, Council Delegate of Austria, to accept the agenda. A vote by hand was conducted. The Council Delegates approved the [agenda](#) unanimously.

3. Approval of the Minutes of the Council Meeting in Montreal (2019)

Franz Kuglitsch presented the minutes of the 2019 Council Meeting. He mentioned that, in October 2019, the minutes were distributed to the participants of the 2019 Council Meeting for their comments. Minor changes for revision were received. Marino Protti, Council Delegate of Costa Rica, proposed, seconded by Isabelle Ansoorge, Council Delegate of South Africa, to approve the minutes of the 2019 Council Meeting. A vote by hand was conducted. The [minutes](#) were approved unanimously.

4. Reports of the IUGG Officers

President Kathy Whaler

Kathy Whaler summarized the major Union activities since 2019 as detailed in her [quadrennial report](#). The presentation she gave can be downloaded [here](#).

She highlighted (i) the impacts of COVID-19 and the war in Eastern Europe on IUGG, (ii) the IUGG Centennial Celebrations in 2019, (iii) the collaboration of IUGG with the Abdus Salam International Centre for Theoretical Physics (ICTP), (iv) the involvement of IUGG in the International Year of Basic Science for Sustainable Development (IYBSSD), the International Union of Geological Sciences Deep-Time Digital Earth (DDE) Programme, and the Comprehensive Nuclear-Test-Ban Treaty Organisation (CTBTO), and (v) all the meetings which she attended to represent IUGG.

Secretary General Alexander Rudloff

Alexander Rudloff summarized the Union activities since 2019 as detailed in his [quadrennial report](#). The presentation he gave can be downloaded [here](#).

He highlighted (i) the communication strategy of IUGG incl. the new website, social media activities, and developments in the E-Journal (IUGG's monthly newsletter), (ii) the involvement of IUGG in the ISC GeoUnions Standing Committee on Disaster Risk Reduction, (iii) the collaboration with the Global Geoscience Societies, (iv) preparation for the IUGG General Assembly 2023, and (v) 10th Anniversary of the IUGG Secretariat at the GFZ German Research Centre for Geosciences. He thanked Franz Kuglitsch for his long-standing service as Executive Secretary.

Treasurer Niels Andersen

Niels Andersen summarized his report on the financial status of the Union as detailed in his [quadrennial report](#). The presentation he gave can be downloaded [here](#).

He highlighted (i) the role of the Treasurer within the IUGG Governance and its collaboration with the Finance Committee, (ii) the Treasurer's responsibilities and tasks, (iii) and initiatives due to recent international developments.

President-Elect Chris Rizos

Chris Rizos summarized the major activities of the six Union Commissions as detailed in his [quadrennial report](#). The presentation he gave can be downloaded [here](#).

The six Union Commissions are:

- Commission on Climatic and Environmental Change (CCEC),
- Commission on Mathematical Geophysics (CMG),
- Commission on Geophysical Risk and Sustainability (GRC),
- Committee on the Study of the Earth's Deep Interior (SEDI),
- Commission on Data and Information (UCDI), and
- Commission on Planetary Sciences (UCPS).

He mentioned that the Union Commissions shall be reviewed by the Executive Committee at each General Assembly. Therefore, two surveys were conducted. In 2020, the Union Commission Officers were asked to answer questions about the Union Commissions' performance and future plans. In 2022, the Association Officers were asked to answer questions regarding their expectations from Union Commissions and the role of Association Representatives in Union Commissions to improve the Associations/Union Commissions engagement.

At the Executive Committee Meeting on 11 July 2023, the Union Commission Chairs were invited to present their Union Commission activities and future plans to the Executive Committee. The Executive Committee agreed that the Union Commissions should mention their goals, work programs, and the role of Association Representatives in their Terms of Reference for (2023-2027).

Marino Protti, Council Delegate of Costa Rica, raised the question whether there should be maximum number of terms of how long a Union Commission can be active. He asked the Bureau Members to keep this in mind.

Kate Heal, Council Delegate of the United Kingdom, asked how the operations of IUGG have changed during the last quadrennium (e.g., due to COVID-19). The IUGG Officers noted that many Business Meetings were organized online and the overall experience was very good. However, sometimes the global distribution of IUGG Officers made it difficult to find an appropriate time to meet and enough time for longer discussions. Meetings between the IUGG Secretariat and the Treasury are only held online and very efficient. In contrast, the IUGG2023 Local Organizing Committee decided to organize an on-site only event, which was mainly to re-connect scientists and due to financial reasons. Several Associations decided to organize their last Scientific Assemblies online or as a hybrid.

Marino Protti, Council Delegate of Costa Rica, proposed, seconded by Colin Price, Council Delegate of Israel, to accept the reports of the IUGG Officers. A vote by hand was conducted. The Council Delegates accepted the reports unanimously.

5. Matters of Membership

Niels Andersen summarized the current status of the IUGG member countries. The presentation he gave can be downloaded [here](#) (slide 2).

IUGG currently has 73 members countries incl. 59 Regular Members (14 of them in observer status) and 14 Associate Members accounting for a total number 278 units. He noted that over the last two decades the number of paid units has decreased from almost 300 to around 250.

Alexander Rudloff mentioned that the admission of [Latvia](#) as an Associate Member still needs the final approval of the Council and that an application for Associate Membership was received from [Paraguay](#). The presentation he gave can be downloaded [here](#) (slides 3-6).

Admission of the following members was ratified:

- Latvia as a Regular Member (Cat. 1)
- Paraguay as Associate Member

Wolfgang Lenhardt, Council Delegate of Austria, proposed, seconded by Jürgen Müller, Council Delegate of Germany, to approve the admissions of Latvia and Paraguay as IUGG member countries. A vote by hand was conducted. The Council Delegates accepted the admissions unanimously.

6. Report of the Nominating Committee

Harsh Gupta, Chair of the Nominating Committee, gave the report of the Nominating Committee as detailed in his [report](#). The presentation he gave can be downloaded [here](#).

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 for 2023-2027 were:

IUGG Bureau

President-Elect: [Alik Ismail-Zadeh](#) (Germany)
[Mioara Manda](#) (France)
Secretary General: [Alexander Rudloff](#) (Germany)
Treasurer: Niels Andersen (Denmark)

Bureau Members (Position #1):

[Athena Coustenis](#) (France)
[Stephen McNutt](#) (USA; was re-nominated by the USA and supported by Australia, Canada, Costa Rica, and Denmark; the Nominating Committee recommended to place him under Position #1; the re-nomination procedure follows IUGG By-Law 10b)

[Eduard Petrovsky](#) (Czech Republic)

Bureau Members (Position #2):

[Virendra Tiwari](#) (India)
[Yi-Gang Xu](#) (China)

Bureau Members (Positions #3):

[Andrew Mackintosh](#) (Australia)
[Corina Riso](#) (Argentina)

IUGG Finance Committee

Position #1: [Archana Bhattacharyya](#) (India)

Position #2: [Priscilla Grew](#) (USA)

Position #3: [Jan Krynski](#) (Poland)

Each candidate was invited to present a statement to the Council supporting their candidature. All except Stephen McNutt and Archana Bhattacharyya made their statements. Those for Stephen McNutt and Archana Bhattacharyya were made in the Second Session of the Council Meeting on 15 July 2023, with Priscilla Grew presented that for Archana Bhattacharyya. The statements are available by clicking the names above.

Kathy Whaler invited the Council Delegates to nominate more candidates for the IUGG Bureau and Finance Committee in the next 48 hours.

Franz Kuglitsch mentioned that votes on the nominated candidates will be taken in the Third Session of the Council Meeting. The CVs and motivations to be elected from all the candidates are available [here](#).

7. Report of the Statutes and By-Laws Committee

Charles Fierz, Chair of the Statutes and By-Laws (SBL) Committee, gave the report of the SBL Committee as detailed in his [report](#). The presentation he gave can be downloaded [here](#).

He recommended the Council to accept three changes to the SBL:

(i) One of the three additional Bureau Members should be an early-career scientist (Statute 8)

A vote by hand was conducted. The Council Delegates accepted the change of Statute 8 with 24 votes in favor, one vote against, and no abstentions. Several Council Delegates suggested to consider adding extra clauses about inclusion (e.g., gender balance) in future.

(ii) Proposals for changes to the SBL may be made not only by member countries and by the IUGG Bureau, but also by the SBL Committee (Statute 24)

A vote by hand was conducted. The Council Delegates accepted the change of Statute 24 with 24 votes in favor, no votes against, and four abstentions.

(iii) Positions in the Bureau and the Finance Committee, and the position of Association Presidents, can only be held by scientists from Member Countries whose subscription has been paid up to the end of the calendar year preceding their taking of office (By-Law 10e)

A vote by hand was conducted. The Council Delegates accepted the change of By-Law 10e with 28 votes in favor, no votes against, and no abstentions.

Charles Fierz recommended the Bureau to review the Guidelines on IUGG Administration and to see whether there is some worth in adding parts of them to the By-Laws.

He mentioned that in 2017, the Bureau decided to reformat the SBL to make reading and understanding easier. The SBL Committee has now finished its work on reformatting the SBL. He recommended the Bureau to soon present the reformatted version to the Council for final discussion and approval by e-voting.

The approved IUGG SBL 2023 can be accessed [here](#).

8. Report of the Site Comparison Committee on the proposals to host the XXIX General Assembly in 2027

Fiona Darbyshire, Chair of the Site Comparison Committee, gave the [report](#) of the Site Comparison Committee. The presentation she gave can be downloaded [here](#).

IUGG received two bids to host the XXIX General Assembly in 2027 to be chosen between:

- [Honolulu HI, USA](#)
- [Incheon, Rep. of Korea](#)

In her report, the proposals were shortly introduced and compared against the criteria published in the [Guidelines for IUGG General Assemblies](#). There was no need for personal site visits.

Fiona Darbyshire noted that both bids fulfil the criteria and will be presented by the bidders in the Third Session of the Council Meeting on 18 July 2023.

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

MINUTES OF THE SECOND SESSION
SATURDAY, 15 JULY 2023 (09:00 – 13:00), ROOM A5, CITY CUBE BERLIN

PARTICIPANTS

NATIONAL DELEGATES

Argentina	Ezequiel Antokoletz
Australia	Trevor McDougall
	Xiaoli Deng (alternate)
Belgium	Philippe Huybrechts
Canada	Fiona Darbyshire
Chile	Pedro Castillo F. (alternate)
China	Yigang Xu
	Zhifeng Ding (alternate)
China-Taipei	Kuo-Fong Ma
Costa Rica	Marino Protti
Croatia	Mirko Orlic
Czech Republic	Jan Simkanin (alternate)
Denmark	Aksel Walløe Hansen
Estonia	Artu Ellmann
Finland	Jyri Näränen
France	Pierre Briole
Germany	Jürgen Müller
Greece	Ilias Tziavos
India	Virendra Tiwari (alternate)
Indonesia	Mohamad Arief Syafii
	Yan Anugrah Rahmawan (alternate)
Israel	Colin Price
Italy	Fausto Guzzetti
Japan	Kumiko Goto-Azuma
Korea, Rep.	Sang-Mook Lee
Luxembourg	Norman Teferle
Mexico	Miguel Angel Santoyo
New Zealand	Dionne Hansen
Norway	Liss M. Andreassen (alternate)
Poland	Jan Krynski
Portugal	Fernando Carrilho
Romania	Constantin Stefan Sava
Slovakia	Juraj Janak (alternate)
Slovenia	Polona Vreca
South Africa	Isabelle Ansoerge
Spain	Marcelino Valdes Perez de (alternate)
Sweden	Per Holmlund
Thailand	Kriengkrai Boonter
	Sarayut Yousamran
United Kingdom	Kate Heal
	Richard Essery (alternate)
United States of America	Aaron Velasco

LISTENER (OBSERVER COUNTRY)

Brazil	Marcelo Sousa De Assumpcao
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IUGG President-Elect	Chris Rizos
IUGG Secretary General	Alexander Rudloff
IUGG Treasurer	Niels Andersen
IUGG Bureau Member	Stephen McNutt
IUGG Bureau Member	Eduard Petrovsky
IUGG Bureau Member	Jun Xia
IAG President	Zuheir Altamimi
IAGA President	Mioara Manda
IAHS President	Berit Arheimer
IASPEI President	Kenji Satake
IAVCEI President	Patrick Allard
IUGG Immediate Past President	Michael G. Sideris

MEMBERS OF THE FINANCE COMMITTEE

Chair	Corina Risso
Member	Priscilla Grew

SECRETARIAT

IUGG Executive Secretary (Minute Taker)	Franz Kuglitsch
IUGG Assistant	Katrin Gundrum

GUESTS OF THE PRESIDENT

IACS Secretary General	Richard Essery
IAGA Secretary General	Monika Korte
IAHS Secretary General	Christophe Cudennec
IAMAS Vice-President	John Burrows
IASPEI Secretary General	Johannes Schweitzer
IAVCEI Secretary General	Roberto Sulpizio
ILP Past President	Sierd Cloetingh
U.S. Adhering Body, Contact Person	Deborah Glickson
Inkomati Usuthu Catchment Management Agency, South Africa	Tendai Sawunyama

9. Greetings; Presentation of the credentials

The Second Session of the Council Meeting was called to order at 09:00 with a roll call of delegates. Delegates from 37 member countries were present, 36 eligible to vote. The total number of countries eligible to vote was 45 (73 minus 14 in observer status minus 14 in associate status). The quorum (15) was reached.

Kathy Whaler announced that Stephen McNutt was re-nominated as a candidate for Bureau Member

(2023-2027) and invited him to present his [statement](#) to the Council.

Kathy Whaler further mentioned that Priscilla Grew received the [statement](#) of Archana Bhattacharyya and invited Priscilla Grew to present the statement to the Council.

Franz Kuglitsch presented the [final slate of candidates](#) for Bureau and Finance Committee (2023-2027).

Jürgen Müller, Council Delegate of Germany, proposed, seconded by Trevor McDougall, Council Delegate of Australia, to accept the final slate of candidates for Bureau and Finance Committee (2023-2027). A vote by hand was conducted. The Council Delegates accepted the final slate unanimously.

10. Reports by Association Presidents

The IUGG Association Presidents and the IAMAS Vice President reported on the activities of the Associations from 2019-2023. The Council Delegates were asked to note the reports of the Associations.

IACS

Liss Andreassen summarized the activities of IACS as detailed in the [IACS Quadrennial Report](#). The presentation she gave can be downloaded [here](#).

She highlighted (i) IACS administration and structure, (ii) the IACS code of conduct, (iii) IACS communication, (iv) current IACS activities, (v) the involvement of early career scientists, and (vi) planned activities for 2023-2027 incl. the preparations for the IACS-IAMAS-IAPSO Joint Assembly to be held in Busan, Republic of Korea, in 2025. She suggested to reduce the length of IUGG General Assemblies to 5-6 days, with the activities of all Associations taking place concurrently.

IAG

Zuheir Altamimi summarized the activities of IAG as detailed in the [IAG Quadrennial Report](#). The presentation he gave can be downloaded [here](#).

He highlighted (i) the IAG administration and structure, (ii) the main IAG activities (2019-2023) incl. its commission, services, and projects, (iii) IAG communication, outreach, and publication, and (iv) the composition of the IAG Executive Committee (2023-2027).

IAGA

Mioara Manda summarized the activities of IAGA as detailed in the [IAGA Quadrennial Report](#). The presentation she gave can be downloaded [here](#).

She highlighted (i) the IAGA administration and structure, (ii) the main IAGA activities (2019-2023)

incl. the IAGA-IASPEI Joint Assembly, which was held virtually in 2021, and other meetings, and (iii) IAGA communication, outreach, and publications.

IAHS

Berit Arheimer summarized the activities of IAHS as detailed in the [IAHS Quadrennial Report](#). For this, she presented the new [IAHS website](#).

She highlighted (i) the IAHS community with more than 10,000 individual members, (ii) IAHS, communication, outreach, and publications, (iii) IAHS administration and structure, (iv) IAHS awards, (v) the IAHS Scientific Assembly 2022, which was organized in Montpellier, France, (vi) IAHS initiatives, (vii) the involvement of Early-Career Scientists in IAHS activities, and (viii) the IAHS scientific decades *Panta Rhei* and *Science for Solutions*.

IAMAS

John Burrows summarized the activities of IAMAS as detailed in the [IAMAS Quadrennial Report](#). The presentation he gave can be downloaded [here](#).

He highlighted (i) the IAMAS administration and structure, (ii) the implementation of the IAMAS strategic plan 2019-2027, (iii) the Virtual Atmosphere-Cryosphere-Oceanography seminar series (VACO 2021) in 2021, (iv) major activities of the IAMAS Commissions, and (v) IAMAS Awards.

IAPSO

Trevor McDougall summarized the activities of IAPSO as detailed in the [IAPSO Quadrennial Report](#).

He highlighted (i) the IAPSO administration and structure, (ii) the Virtual Atmosphere-Cryosphere-Ocean seminar series (VACO-21) 2021, (iii) IAPSO supported meetings 2019-2021, (iv) IAPSO awards, and (v) major activities of the IAPSO Best Practice Groups, Working Groups, Commissions and Services.

IASPEI

Kenji Satake summarized the activities of IASPEI as detailed in the [IASPEI Quadrennial Report](#). The presentation he gave can be downloaded [here](#).

He highlighted (i) the IASPEI business meetings, (ii) IASPEI scientific meetings incl. the IAGA-IASPEI Joint Assembly, which was held virtually in 2021, the assemblies of the regional commissions, summer schools, training courses, and workshops, (iii) IASPEI communication and outreach, (iv) IASPEI awards, and (v) ongoing preparations for future meetings incl. the IAGA-IASPEI Joint Assembly to be held in Lisbon, Portugal, in 2025.

IAVCEI

Patrick Allard summarized the activities of IAVCEI as detailed in the [IAVCEI Quadrennial Report](#). The presentation he gave can be downloaded [here](#).

He highlighted (i) the IAVCEI administration and structure, (ii) IAVCEI individual membership, (iii) IAVCEI communication, outreach, and publications, (iv) IAVCEI Commissions and Networks, (v) IAVCEI scientific meetings incl. the IAVCEI Scientific Assembly held in Rotorua, New Zealand, in 2023, (vi) IAVCEI awards, and (vi) planned activities for 2023-2027.

11. Report on Scientific and Educational programs

International Lithosphere Program (ILP)

Sierd Cloetingh, ILP Past President, summarized the activities of ILP as detailed in the [ILP Quadrennial Report](#). The presentation he gave can be downloaded [here](#).

He highlighted (i) the history and administration of ILP, (ii) major activities of the ILP Task Forces and Coordinating Committees, and (iii) ILP awards.

Science Education Program with the Abdus Salam International Centre for Theoretical Physics (ICTP)

Alexander Rudloff reported about the cooperation between IUGG and the Abdus Salam International Centre for Theoretical Physics (ICTP). The presentation he gave can be downloaded [here](#).

He highlighted (i) the history of ICTP and its cooperation with IUGG, (ii) the IUGG supported workshops (2019-2023), and (iii) the plans of the Bureau to continue the cooperation with ICTP for 2024-2027.

The Council Delegates supported the extension of the Science Education Program in cooperation with ICTP for 2024-2027. A new memorandum of understanding should be signed by the end of 2023.

12. Relations with ISC

Kathy Whaler summarized the IUGG relations with the International Science Council (ISC). The presentation she gave can be downloaded [here](#).

She highlighted (i) her participation in ISC events incl. the World Science Forum 2019 in Budapest, Hungary, the ISC Extraordinary General Assembly 2021, which was held online, and the mid-term meeting 2023 in Paris, France, and (ii) IUGG's nominations of candidates for the ISC Governing Board (2022-2024), ISC delegations, and the ISC Fellowship.

She clarified that ISC has not yet launched any grant programs to support research projects.

13. IUGG Liaison Officers to International and Intergovernmental Organizations.

Franz Kuglitsch introduced the Partner Organizations of IUGG and presented the current IUGG Liaison Officers (2019-2023). The presentation he gave can be downloaded [here](#).

He mentioned that the Quadrennial Reports (2019-2023) of all the IUGG Liaison Officers were received and made available in the [supporting material](#).

Colin Price, Council Delegate of Israel, proposed, seconded by Isabelle Ansoerge, Council Delegate of South Africa, to accept the Quadrennial Reports (2019-2023) of the IUGG Liaison Officers. A vote by hand was conducted. The Council Delegates accepted the reports unanimously.

Franz Kuglitsch also presented the proposed candidates for IUGG Liaison Officers (2023-2027) and invited the Council Delegates to review the candidates and to report any comments or concerns to him. A final decision on the IUGG Liaison Officers (2023-2027) should be made during the Third Session of the Council Meeting on 18 July 2023.

Finally, Franz Kuglitsch mentioned possible new partner organizations incl. the UN-GGIM Subcommittee on Geodesy and the ISC Regional Offices for Africa, Asia-Pacific, and Latin America and the Caribbean, and the need for additional Liaison Officers, which can be appointed later by e-voting.

14. Report of the IUGG Finance Committee

Corina Risso summarized the major activities of the Finance Committee as detailed in the [Quadrennial Report of the Finance Committee](#). The presentation she gave can be downloaded [here](#).

She highlighted (i) administration and structure of the Finance Committee, (ii) the role of the Finance Committee, (iii) membership issues, and (iv) strategies to get new member countries and to raise membership categories. She thanked Jan Krynski for serving as an 'ad-interim' member of the Finance Committee for the period from January 2023 until July 2023. This step was necessary after the passing of József Ádám in December 2022.

15. Presentation of the 2024-2027 Budget

Niels Andersen discussed the draft IUGG Budget 2024-2027, which can be downloaded [here](#).

He went through the budget line by line and highlighted the significant changes. The economic situation of IUGG is sound and the net balance allows IUGG some flexibility. The budget 2024-2027 will allow for increased expenditures of the Union on scientific programs and grants. Around

75% of the total budget is reserved for scientific activities, from which about 45% is distributed among the Associations, and about 30% is spent by IUGG on Symposia Support, the Grants Program, Union Activities etc. Around 25% of the total budget is reserved for administration.

Niels Andersen invited the Council Delegates to review the draft budget and to report any comments or concerns to him. A final vote to adopt the 2023-2027 budget should be made during the Third Session of the Council Meeting on 18 July 2023.

The Second Session of the Council Meeting closed at 12:30.

DRAFT

MINUTES OF THE THIRD SESSION
TUESDAY, 18 JULY 2023 (15:00 – 18:00), ROOM A5, CITY CUBE BERLIN

PARTICIPANTS

NATIONAL DELEGATES

Argentina	Ezequiel Antokoletz
Australia	Trevor McDougall
Austria	Wolfgang Lenhardt
Belgium	Philippe Huybrechts
Canada	Fiona Darbyshire
Chile	Pedro Castillo F. (alternate)
China	Yigang Xu Zhifeng Ding (alternate)
China-Taipei	Kuo-Fong Ma
Costa Rica	Marino Protti
Croatia	Mirko Orlic
Czech Republic	Vojtech Palinkas
Denmark	Aksel Walløe Hansen
Finland	Jyri Näränen
France	Pierre Briole
Germany	Jürgen Müller
Greece	Ilias Tziavos
India	Virendra Tiwari (alternate)
Indonesia	Mohamad Arief Syafii Yan Anugrah Rahmawan (alternate)
Israel	Colin Price
Italy	Fausto Guzzetti
Japan	Kumiko Goto-Azuma
Korea, Rep.	Sang-Mook Lee
Latvia	Jānis Kaminskis Armands Celms (alternate)
Luxembourg	Norman Teferle
Mexico	Miguel Angel Santoyo
Netherlands	Peter J.G. Teunissen (alternate)
New Zealand	Dionne Hansen
Norway	Tormod Kværna Liss M. Andreassen (alternate)
Poland	Jan Krynski
Portugal	Fernando Carrilho
Romania	Constantin Stefan Sava
Slovakia	Juraj Janak (alternate)
Slovenia	Polona Vreca
Sweden	Per Holmlund
Switzerland	John Clinton
Thailand	Kriengkrai Boonter Sarayut Yousamran
United Kingdom	Kate Heal
United States of America	Aaron Velasco

LISTENER (OBSERVER COUNTRY)

Brazil	Marcelo Sousa De Assumpcao
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MEMBERS OF THE EXECUTIVE COMMITTEE

IUGG President	Kathy Whaler
IUGG President-Elect	Chris Rizos
IUGG Secretary General	Alexander Rudloff
IUGG Treasurer	Niels Andersen
IUGG Bureau Member	Steven McNutt
IUGG Bureau Member	Eduard Petrovsky
IUGG Bureau Member	Jun Xia
IAG President	Zuheir Altamimi
IAGA President	Mioara Manda
IASPEI President	Kenji Satake
Immediate Past President	Michael G. Sideris

MEMBERS OF THE FINANCE COMMITTEE

Chair	Corina Risso
Member	Priscilla Grew

SECRETARIAT

IUGG Executive Secretary (Minute Taker)	Franz Kuglitsch
IUGG Assistant	Katrin Gundrum

GUESTS OF THE PRESIDENT

IASPEI Secretary General	Johannes Schweitzer
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16. Greetings; Presentation of the credentials

The Third Session of the Council Meeting was called to order at 15:00 with a roll call of delegates. Delegates from 39 member countries were present, 38 eligible to vote. The total number of countries eligible to vote was 45 (73 minus 14 in observer status minus 14 in associate status). The quorum (15) was reached.

Kathy Whaler announced that a group photo will be taken after this session.

17. Adoption of the 2024-2027 Budget

The Council was asked to vote on the 2024-2027 Budget. Niels Andersen summarized the headline numbers and mentioned that no further comments were received. The presentation he gave can be downloaded [here](#).

The ballots to vote on the 2024-2027 Budget were distributed among the Council Delegates. The votes on financial matters were weighted by the countries categories of membership. 37 votes representing 230 units were received. The results are given below.

In favor: 230 Against: 0 Abstain: 0

The 2024-2027 Budget was adopted unanimously.

18. Election of IUGG Officers

Kathy Whaler explained the procedures for the election of the members of the IUGG Bureau and Finance Committee for the term 2023-2027 and referred to the [final slate of candidates](#).

The ballots to vote were distributed among the Council Delegates. The votes required a simple majority of all ballots cast. During the period while votes were being counted, Virendra Tiwari, Council Delegate (alternate) of India, and Kate Heal, Council Delegate of the United Kingdom, presented their national reports. All national reports received are available [here](#).

The results of the votes for members of the IUGG Bureau and Finance Committee meant that the following candidates were elected:

President-Elect	Mioara Manda (FRANCE)
Secretary General	Alexander Rudloff (GERMANY)
Treasurer	Niels Andersen (DENMARK)
Bureau Member, Position 1	Athena Coustenis (FRANCE)
Bureau Member, Position 2	Virendra Tiwari (INDIA)
Bureau Member, Position 3	Andrew Mackintosh (AUSTRALIA)
Finance Committee Member, Position 1	Archana Bhattacharyya (INDIA)
Finance Committee Member, Position 2	Priscilla Grew (USA)
Finance Committee Member, Position 3	Jan Krynski (POLAND)

Chris Rizos (AUSTRALIA), President-Elect (2019-2023), will become President (2023-2027).

The actual voting distributions are given in the following:

Candidate	Votes	Abstain
Alik Ismail-Zadeh for President-Elect	15	
Mioara Manda for President-Elect	22	
Alexander Rudloff for Secretary General	37	
Niels Andersen for Treasurer	36	1
Athena Coustenis for Bureau Member, Position 1	16	

Stephen McNutt for Bureau Member, Position 1	10	
Eduard Petrovsky for Bureau Member, Position 1	11	
Virendra Tiwari for Bureau Member, Position 2	22	
Yi-Gang Xu for Bureau Member, Position 2	14	
Andrew Mackintosh for Bureau Member, Position 3	19	
Corina Risso for Bureau Member, Position 3	18	
Archana Bhattacharyya for Finance Committee Member, Position 1	34	3
Priscilla Grew for Finance Committee Member, Position 2	36	1
Jan Krynski for Finance Committee Member, Position 3	35	2

Since no simple majority was reached for Bureau Member, Position 1, a second round of voting was conducted between Athena Coustenis and Eduard Petrovsky, giving:

Candidate	Votes
Athena Coustenis for Bureau Member, Position 1	24
Eduard Petrovsky for Bureau Member, Position 1	12

The President congratulated the successful candidates and thanked all those on the slate for their willingness to serve.

19. Presentations of the proposals to host the XXIX General Assembly in 2027. Selection of the venue.

Fiona Darbyshire, Chair of the Site Comparison Committee, mentioned that the Bureau received two bids to host the XXIX IUGG General Assembly incl. [Honolulu HI, USA](#) and [Incheon, Rep. of Korea](#). She invited the presenters of both bids to give a presentation of not more than 20 minutes to the Council Delegates. Ten minutes were offered for questions and answers.

Each bidding team for the 2027 General Assembly should only attend the Council Meeting for presenting its own proposal. The Council Delegates of the Rep. of Korea and the USA. are welcome to listen to the presentations of both bidders.

Following this, the Council was asked to vote on these two venues. The voting results are given in the following:

2027 General Assembly Venue	Votes
Honolulu HI, USA	15
Incheon, Rep. of Korea	22

Therefore, the XXIX IUGG General Assembly will take place in Incheon, Rep. of Korea, in 2027.

20. Renewal of the IUGG Liaison Officers for 2023-2027

Franz Kuglitsch presented the names of proposed IUGG Liaison Officers (2023-2027) to the Council Delegates and mentioned that no further comments were received. The presentation he gave can be downloaded [here](#).

Marino Protti, Council Delegate of Costa Rica, proposed, seconded by Trevor McDougall, Council Delegate of Australia, to appoint the proposed IUGG Liaison Officers for 2023-2027. A vote by hand was conducted. The following candidates were appointed unanimously:

Organization	Liaison Officers 2023-2027
ISC Committee on Data for Science and Technology (CODATA) and ISC World Data System (WDS)	Kirsten Elger (GERMANY) Masahito Nosé (JAPAN)
ISC Committee on Space Research (COSPAR)	Christopher Kotsakis (GREECE) Simon Wing (USA)
ISC Scientific Committee on Antarctic Research (SCAR)	Thomas Bracegirdle (UK) Andrew Mackintosh (AUSTRALIA)
ISC Scientific Committee on Oceanic Research (SCOR)	Andrea Flossmann (FRANCE) Hans van Haren (NETHERLANDS)
ISC Scientific Committee on Solar-Terrestrial Physics (SCOSTEP)	Michael Kosch (SOUTH AFRICA) Peter Pilewskie (USA)
UNESCO Earth Sciences	Patrick Allard (FRANCE) Mari Paz Miralles (USA)
UNESCO International Hydrological Program (UNESCO-IHP)	Liss Marie Andreassen (NORWAY) Christophe Cudennec (FRANCE)

UNESCO Intergovernmental Oceanographic Commission (UNESCO-IOC)	Denise Smythe-Wright (UK)
World Meteorological Organization (WMO)	Roger Pulwarty (USA) Sara Barsotti (ICELAND) Christophe Cudennec (FRANCE) Minghu Ding (CHINA) Eugene Rozanov (SWITZERLAND) Jens Wickert (GERMANY) Hua Zhang (CHINA)
United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM)	Harald Schuh (GERMANY)
International Civil Aviation Organization (ICAO)	Samantha Engwell (UK) David Schneider (USA)
Intergovernmental Panel on Climate Change (IPCC)	Franz Kuglitsch (GERMANY) Jianping Li (CHINA)
World Climate Research Programme (WCRP)	Lisa Alexander (AUSTRALIA)
Consultative Committee for Time and Frequency (CCTF)	Sebastien Merlet (FRANCE)
Pan American Institute of Geography and History (PAIGH)	Laura Sanchez (GERMANY/COLOMBIA)
Group on Earth Observations (GEO)	Alexander Rudloff (GERMANY)

21. Presentation and adoption of the Resolutions

Michael G. Sideris, Chair of the Resolution Committee, reported about the draft resolutions received by the Resolution Committee. Each resolution was then examined by the Resolution Committee and carefully considered by the Executive Committee before being brought to the Council. Five resolutions plus one traditional resolution of thanks of IUGG to the organizers of IUGG2023 were put on screen, read and commented

upon by Michael G. Sideris. He welcomed questions and comments by the Council Delegates.

Resolution 1: Improving Protection of Geodetic Observatories from Active Radio Services.

Resolution 2: Sustained Terrestrial Water Storage (TWS) Monitoring by Dedicated Gravity Satellite Constellations.

Resolution 3: Sharing Geophysical Data across Borders.

Resolution 4: Weather and Climate Engineering Based on the Addition of Aerosol Particles.

Resolution 5: Preservation and Dissemination of and Enhanced Access to Analogue Records.

Resolution 6: Thanks.

Kathy Whaler then asked the Council Delegates to accept the resolutions.

Wolfgang Lenhardt, Council Delegate of Austria, proposed, seconded by Mirko Orlic, Council Delegate of Croatia, to accept the proposed resolutions. A vote by hand was conducted. The resolutions were accepted unanimously and can be accessed [here](#).

Closing remarks

Alexander Rudloff presented some first reflections on the XXVIII General Assembly, which can be accessed [here](#).

Kathy Whaler thanked the Council Delegates, tellers, committee members, and organizers of the General Assembly for their help and assistance to make the assembly such a success. She declared that the Council of Delegates to the XXVIII General Assembly was adjourned at 18:00.

Respectfully submitted by Franz Kuglitsch

IUGG Budget 2024 - 2027, approved by IUGG Council 18 July 2023, Berlin

Except for the unit numbers all figures are in thousands of US dollars

Price of 1 unit is increased with 3,3% pr year

The estimated number of units is lower than the total number of all registered members (278), because empirically it is known that not all members pay their dues in a given year.

Year	2023	2024	2025	2026	2027	2024-2027	2020-2023
Estimated unit value	\$2.375	\$2.455	\$2.535	\$2.620	\$2.705	\$2.455-\$2.705	\$2.060-\$2.180
Estimated number of units	260	260	260	260	260	1040	1040
INCOME						Budget	Budget
		2024	2025	2026	2027	2024-2027	2020-2023
1. MEMBERSHIP DUES	617,5	638,3	659,1	681,2	703,3	2681,9	2204,8
2. ASSEMBLY SURCHARGE						0,0	20,0
3. ROYALTIES		0,2	0,2	0,2	0,2	0,8	0,8
4. MISCELLANEOUS (interest)		20,0	20,0	20,0	20,0	80,0	0,4
5. TOTAL INCOME		658,5	679,3	701,4	723,5	2762,7	2226,0
6. ANNUAL INCOMING BALANCES		900,0	849,3	788,9	760,3	900,0	662,0
EXPENDITURES							
		2024	2025	2026	2027	2024-2027	2020-2023
11. ADMINISTRATION		144,0	164,0	144,0	169,0	621,0	442,0
12. SCIENCE AND EDUCATION INITIATIVES		80,0	80,0	80,0	80,0	320,0	280,0
13. ASSEMBLIES		0,0	0,0	0,0	210,0	210,0	110,0
14. SYMPOSIA		100,0	100,0	100,0	0,0	300,0	75,0
15. ASSOCIATIONS		308,8	319,2	329,6	340,6	1298,1	1081,6
16. DUES		32,0	32,0	32,0	32,0	128,0	128,0
17. UNION ACTIVITIES		39,0	39,0	39,0	39,0	156,0	156,0
18. FEES		3,0	3,0	3,0	3,0	12,0	32,0
19. CONTINGENCIES		2,5	2,5	2,5	2,5	10,0	10,0
20. TOTAL EXPENDITURES		709,3	739,7	730,1	876,1	3055,1	2314,6
21. ANNUAL OUTGOING BALANCES		849,3	788,9	760,3	607,7	607,7	573,4

NOTE 17.1 Union commissions CMG, SEDI, CCEC, UCPS, GRC, UCDI
17.2 Inter-Union Science ILP



Council Delegates, Executive Committee Members, and Guests of the IUGG Council Meeting, 18 July 2023, Berlin, Germany