

THIRD ISC GENERAL ASSEMBLY
Muscat, Oman 2025

Report of the Second ISC General Assembly (2021)

Document 2

For approval



**International
Science Council**

وزارة التعليم العالي
و البحث العلمي والابتكار
Ministry of Higher Education
Research & Innovation





REPORT

International Science Council 2nd General Assembly 11–15 October 2021 (online meeting)

Table of Contents

Business Day 1 (12 October 2021)	Page 2
Business Day 2 (14 October 2021)	Page 4
Business Day 3 (15 October 2021)	Page 7
List of participants	Page 10
Resolution 1 on the ISC Strategy in the Intergovernmental System	Page 19
Resolution 2 on scientific publishing	Page 20

The International Science Council (ISC) is a non-governmental organization with a unique global membership that brings together 40 international scientific Unions and Associations and over 140 national and regional scientific organizations including Academies and Research Councils

Business Day 1 (12 October 2021)

1. Opening of the 2nd ISC General Assembly

ISC President Daya Reddy welcomed participants to the 2nd General Assembly of the ISC.

a. Adoption of the agenda

The Assembly adopted the agenda by acclamation without amendments.

- b. Adoption of the minutes of the 1st ISC General Assembly (2018)
- c. Adoption of the minutes of the Extraordinary ISC General Assembly (2021)

The membership was informed that the above documents had been reviewed by the Governing Board.

The minutes of the 1st ISC General Assembly (July 2018) and the Extraordinary ISC General Assembly (February 2021) were adopted by acclamation without amendments.

- d. Adoption of the recommendation of the Governing Board on the term of office of vice-presidents.

The Assembly adopted, by acclamation, the recommendation of the Governing Board not to change the term of office of vice-presidents.

e. Appointment of the Resolutions Committee

The following individuals were proposed to the Assembly to form the 2021 Resolutions Committee:

- Anna Mauranen (Council of Finnish Academies)
- Catherine Ngila (African Academy of Sciences)
- Tonya Blowers (Organization for Women in Science for the Developing World)
- Yukari Takamura (Science Council of Japan)

The Assembly approved the composition of the Resolutions Committee by acclamation.

f. Appointment of tellers

The following individuals were proposed to the Assembly as tellers:

- Mostafa Moonir Shawrav (Marie Curie Alumni Association – MCAA)
- Simon Hodson (Committee on Data of the International Council for Science – CODATA)
- Manuel de Leon (Ministry for Science and Innovation, Spain)

The Assembly approved the tellers by acclamation.

2. Activity and Achievement Report 2018–2021

The ISC President Daya Reddy and CEO Heide Hackmann presented a report of ISC activities and achievements during the first three years of operation of the Council. The President thanked the ISC members, the Governing Board members, the Secretariat, including the Regional Offices, and all Committees and Working Groups for their deep commitment.

During the general discussion, the following points were raised:

- There has been good progress working across social and natural sciences in ISC activities.
- The membership should be consulted before important statements or positions are released.
- The membership was encouraged to diffuse the Activity and Achievement report widely among their constituencies to showcase the work ISC is doing.
- Some ISC members are still marginalized; there is a need to ensure the engagement of all members.
- Some areas of science are not well covered by the ISC; the next Governing Board will work to improve the coverage of domains of science.

The Assembly noted the 2018–2021 Activity and Achievement Report.

3. Governing Board election procedures

ISC President Daya Reddy reminded the members about the procedure for Governing Board elections, stressing that voting guidelines had been sent by email to each member's voting delegate and that only that person had the right to vote. All members had been notified that the link for voting would be sent by email shortly before the election.

4. Adoption of 2022–2024 Action Plan

ISC CEO Heide Hackmann presented the ISC's three-year Action Plan 'Science and Society in transition'.

Various members congratulated the ISC on the development of the strategy and highlighted that the plan represented a relevant driver for change by 2024.

A few specific suggestions were proposed for consideration, including:

- Changing 'equal' to 'equitable' in 'support the continued and equal development of science systems in all parts of the world' in order to put more emphasis on justice and fairness;
- Strengthening the responsibility of members to promote evidence-based policies in their national/regional spheres of influence; helping members deal with the challenges they face in science–policy interfaces;
- Enhancing the attention given to developing and strengthening science capacities around the globe;
- Elaborating the issue of freedom in science with additional topics, e.g. ethics of doing science;
- Enhancing the representation of young scientists in ISC activities and planning;

- Exploring opportunities for skill and capacity transfer between ISC members.

The 2022–2024 Action Plan was adopted by acclamation.

5. Closing of day

Business Day 2 (14 October 2021)

6. Welcome to Business Day 2

The President welcomed the participants to the second business day of the General Assembly and briefly recapped the previous day's proceedings.

7. Election of Governing Board Officers

Voting delegates were requested to proceed to cast their votes for Governing Board Officers.

8. Report of the Ad Hoc Dues Committee

The Governing Board had been tasked with proposing a unified dues structure for the 2nd ISC GA. ISC Treasurer Renée van Kessel presented a report prepared by the Ad Hoc Dues Committee, with valued input from Andrew Cleland, former Chief Executive of ISC member the Royal Society Te Apārangi.

The Ad Hoc Dues Committee's study of the issues and consultation with the membership had led it to certain conclusions regarding how to advance towards a unified, fair dues structure. However, in view of the intention to expand ISC membership and the associated consequences for voting rights, the Committee recommended that a new dues structure be developed in tandem with the revision of the membership structure and voting rights.

The Assembly noted the report of the Ad Hoc Dues Committee.

9. Treasurer's report 2018-2021 and adoption of the 2022–2024 budget

ISC Treasurer Renée van Kessel presented her report.

The Assembly noted the impact of the COVID-19 pandemic on income and spending in 2021. Spending on governance and science activities was low due to travel restrictions and planned in-person meetings being moved online.

The slight increase in membership dues in arrears was noted.

The Treasurer's Report was adopted by acclamation.
The Treasurer was discharged from any liability for the period of 2018-2021.

ISC President-elect Sir Peter Gluckman presented the indicative budget for the three-year period 2022–2024, with two scenarios with the same expenditure but different fundraising (no fundraising

for one scenario and a fundraising of 1.2m EUR for the other). Any drawdown on reserves would be used to finance new activities rather than core business of the ISC. Any successful fundraising would offset the drawdown on reserves. The actual budget is therefore expected to lie between the limits of the two scenarios presented.

The key risks in terms of finances were noted (reliance on continued support from the French government, over-reliance on membership dues). The President-elect thanked the French Government and the French Academy for their support.

It was noted that the externally funded research funding programmes (LIRA and T2S) were scheduled to end in 2022.

The draft 2022–2024 budget and the associated scale of annual dues to be paid by members for the relevant period were approved by electronic vote, which opened on Thursday, 14 October at 15:30 UTC and closed on Friday, 15 October at 05:00 am UTC. 194 votes were cast, with 81% voting in favour, 8% against, and 11% abstentions.

10. Announcement of elected Governing Board Officers

The President announced the results of the election of the Governing Board Officers.

101 members (both Category 1 and Category 2, representing 86% of 118 members in good standing) voted for Officers.

The following Officers were elected by the General Assembly:

- Motoko Kotani, President-elect
- Sawako Shirahase (legal last name: Ishida), Vice-President for Finance
- Anne Husebekk, Vice-President for Freedom and Responsibility in Science
- Salim Abdool Karim, Vice-President for Outreach and Engagement

11. Election of Ordinary Members of the Governing Board

Voting delegates were requested to proceed to cast their votes for Ordinary Members of the Governing Board.

12. Phase 2 of the Future of Scientific Publishing project

The President invited Geoffrey Boulton, ISC Governing Board Member and chair of the Steering Group project, to provide a short introduction to the project.

The Assembly noted the proposed next steps, which aim to create consensus with other key actors in science for reform of scientific publishing.

An online Mentimeter survey was incorporated in the session with the aim to explore the potential for engagement and contributions from ISC membership. The results of the survey will be taken into consideration in the further development of phase II.

Amongst the comments and questions from Members, it was highlighted that true open access cannot be achieved as long as for-profit publishers control scientific publishing. In addition, concerns were raised with regard to the open access models which affect the financial basis of scientific societies. In this regard it was emphasized that members of the US National Academy of Sciences are exploring alternative business models to address this issue.

13. Announcement of new ISC Governing Board Members (Ordinary Members)

ISC President Daya Reddy announced the results of the election of Ordinary Members of the Governing Board.

103 members (both Category 1 and Category 2, representing 87% of 118 members in good standing) voted for Ordinary Members.

The following Ordinary members were elected by the General Assembly:

- Karina Batthyány
- Françoise Baylis
- Geoffrey Boulton
- Melody Burkins
- Mei-hung Chiu
- Pamela Matson
- Helena Nader
- Walter Oyawa
- Maria Paradiso
- Martin Visbeck

14. Incoming presidential address by Sir Peter Gluckman

Incoming President Sir Peter Gluckman thanked all those who were involved in creating the momentum that led to the merger between the two predecessor organizations, ICSU and the ISSC. He expressed gratitude to outgoing President Daya Reddy for his insightful leadership over the past three years, to the outgoing Governing Board, the Advisory Committees and Steering Groups for their critical contributions, and to the secretariat for their work and dedication.

He underlined the important steps that had been made towards achievement of ISC's mission to become an effective and truly representative global voice for science and acknowledged the perennial membership issues, including gaps in representation.

He stressed that for the ISC to become a stronger voice for science, more effort must be put into the relationship with the multilateral system, including the UN and its agencies, the Organization for Economic Co-operation and Development, the World Economic Forum and others. He praised the

work of the Steering Group led by Julia Marton-Lefevre on the development of an ISC strategy in the intergovernmental system.

He mentioned the need to strengthen relationships between science and policy-making, to embed science more deeply in society and to pay more attention to the relations between science and other types of knowledge. He highlighted the work of ISC affiliate INGSA in building understanding and capacities at these interfaces.

He recalled the ISC's broad range of engagements on sustainability challenges. He drew attention to the Global Forum of Funders and the recently launched report 'Unleashing science, delivering missions for sustainability'. He announced the establishment of a Commission chaired by Irina Bukova, former Director-General of UNESCO, and Ms Helen Clark, former Prime Minister of New Zealand and Administrator of the UN Development Programme. The Commission will be tasked with exploring how to implement and fund global science missions for sustainability. The final report is to be delivered at the Global Knowledge Dialogue that the ISC will host in Oman from 30 January to 3 February 2023.

He stressed the need to continue efforts to make science more inclusive and diverse and to raise funds to allow the ISC to fully address its mission.

Note: The video and full text of the address can be found at <https://council.science/current/news/conclusion-ga2021/>

Business Day 3 (15 October 2021)

15. Welcome

ISC President Daya Reddy welcomed the participants to the third business day of the General Assembly and briefly recapped the previous day's proceedings.

16. The Free and Responsible Conduct of Science in the 21st Century

ISC President Daya Reddy handed over the chair for this item to Saths Cooper, Vice-Chair of the ISC Committee for Freedom and Responsibility in Science (CFRS). Saths Cooper thanked the writing group and the CFRS members who had produced the position paper.

Robin Grimes, CFRS member and chair of the project expert writing group, summarized key messages from the position paper and reminded the Assembly that the goal of the paper was to inform the ISC's understanding and application of the principle of Freedom and Responsibility in Science (ISC Statute 7) and to guide ISC members.

In the discussion it was recognized that ISC's positions may have repercussions on its members, which in some cases may have difficulty with putting forward statements in their country or region.

It was suggested that an executive summary be added to highlight the key messages and recommendations of the paper.

17. ISC Strategy in the Intergovernmental System

ISC President Daya Reddy invited Julia Marton-Lefèvre, Chair of the Steering Group, to introduce the item. The brief of the Steering Group was to provide advice to the ISC on a strategy to work more closely with the intergovernmental system.

Julia Marton-Lefèvre highlighted the ambitious level of the recommendations and recognized that significant fundraising and management efforts would be needed to position the ISC as the key scientific partner for intergovernmental organizations.

It was recognized that the ISC has the reputation and gravitas to be the authority on science. There was support for the idea for ISC to become a registered body with all main UN agencies and to apply for the status of permanent observer to the United Nations.

ISC President-elect Sir Peter Gluckman saw the ISC's role as a broker between the multilateral system and the science system and underlined that the ISC cannot be expert in all domains.

Julia Marton-Lefèvre pointed to recommendation 13 as one of the most important, proposing that the ISC should raise recognition and profile of transdisciplinary science.

An online poll was put to the General Assembly to gauge the membership's support for the recommendations of the Steering Group.

The results of the poll indicated that a large majority of ISC Members were in favour of the ISC's ambition to position itself as the major mechanism for providing scientific advice to the intergovernmental system. 89% of Members voted 'Yes', 2% voted 'No', and 9% were not sure.

Peter Gluckman thanked the Steering Group for their enthusiastic, swift and decisive work in producing the draft report.

18. Adoption of resolutions

Chair of the Resolutions Committee Anna Mauranen presented the Resolutions Committee's report.

The Resolutions Committee proposed two resolutions for adoption by ISC Members:

8. Resolution 1, on actioning the recommendations of the 'Draft Report on the ISC Strategy in the Intergovernmental System': <https://council.science/resolution1>
9. Resolution 2, on endorsing the 'Eight principles for reform of scientific publishing' and working together to achieve reform: <https://council.science/resolution2>.

The voting members then had until 12.00 pm UTC on 18 October 2021 to vote on the proposed resolutions.

The General Assembly adopted both resolutions.

- Resolution 1: 103.5 votes were cast, with 100.5 (97%) in favour and 3 abstentions.
- Resolution 2: 102.5 votes were cast, with 93.8 (92%) in favour and 4 abstentions.

19. Any other business

No further matters were raised by the Assembly.

20. Outgoing Presidential address

Outgoing ISC President Daya Reddy began by emphasizing the fundamental nature of the Statutes in capturing the vision, mission and values of the Council, and the central place of the principle of freedom and responsibility in science. He noted the increased urgency to achieve the SDGs and to make progress towards 1.5-degree goal, as well as the threats to science posed by misinformation and scientific nationalism.

He highlighted the importance of working towards a more inclusive membership and the need for building capacity so that all can engage effectively.

He thanked the outgoing Governing Board for their contributions and engagement; the secretariat, including the Regional Offices, for their commitment and dedication; and the ISC members for their support, ideas and commitment to the ISC.

He warmly congratulated the members of the new Governing Board on their election and expressed his confidence in the incoming president's leadership and in the new Governing Board.

He concluded by thanking the ISC Members for the trust placed in him and stated that it had been a singular privilege to serve the ISC in its inaugural three-year period.

He wished the International Science Council ever greater success in speaking for science and in ensuring the central place of science in making the world a better place.

Note: The video and full text of the address can be found at <https://council.science/current/news/conclusion-ga2021/>

21. Closing of the 2nd ISC General Assembly

In his closing words, outgoing President Daya Reddy thanked the team at the secretariat and the conference organizers in South Africa (ConfSA) for the efficient and successful organization of the General Assembly. He thanked all for their contributions and their participation, in some cases at local times that were highly uncongenial.

The meeting was adjourned at 15:30 CEST.

First Name	Last Name	Country	Organization
Jörn	Achterberg	Germany	Deutsche Forschungsgemeinschaft (DFG, German Research Foundation)
Yun-Kang	Ahn	France	International Science Council
Suminori	Akiba	Japan	Science Council of Japan
Andrew	Allen	United Kingdom	Royal Society
Othman	Almashaqbeh	Jordan	
Orhan	Altan	Turkey	ISPRS
Suchith	Anand	United Kingdom	Committee on Data (CODATA)
Aurela	Anastasi	Albania	Academy of Sciences of Albania
Fredrikke	Andersen	Norway	Global Research Programme on Inequality (GRIP)
Christopher	Anderson	Australia	
Makoto	Ando	Japan	International Union of Radio Science (URSI)
Anna-Maria	Arabia	Australia	Australian Academy of Science
Salvatore	Aricò	France	International Science Council
Juan A.	Asenjo	Chile	Chilean Academy of Sciences
Sufyan	Aslam	Malaysia	Academy of Sciences Malaysia
Michael	Atchia	Mauritius	MAST
Canan	Atilgan	Turkey	Bilim Akademisi - Science Academy Turkey
Budeebazar	Avid	Mongolia	Mongolian academy of Sciences
Awang Bulgiba	Awang Mahmud	Malaysia	Academy of Sciences Malaysia
Giles	B. Sioen	Japan	Future Earth (FE)
Dominique	Babini	Argentina	Latin American Council of Social Sciences (CLACSO)
Neela	Badrie	Trinidad & Tobago	Caribbean Academy of Sciences
John	Baglin	United States	International Union of Materials Research Societies
Kathie	Bailey	United States	US National Academy of Sciences
Fernanda	Bajanca	France	Marie Curie Alumni Association (MCAA)
Aleksandra	Bajić	Bosnia & Herzegovina	Academy of Sciences and Arts of Republic of Srpska
Karina	Batthyany	Uruguay	CLACSO
Françoise	Baylis	Canada	Dalhousie University
David	Black	Australia	Australian Academy of Science
Tonya	Blowers	Italy	OWSD
Winfried E.h.	Blum	Austria	IUSS
Suzanne	Board	Canada	Soc Sci and Humanities Res Council of Canada
Gergely	Böhm	Hungary	Hungarian Academy of Sciences
Silvia	Borsacchi	Italy	CNR
Geoffrey	Boulton	United Kingdom	
Ernie	Boyko	Canada	Committee on Data (CODATA)
Ekanem	Braide	Nigeria	Nigerian Academy of Science
Tudor	Braniste	Moldova (Republic of)	Academy of Sciences of Moldova
Christopher	Brett	Portugal	International Union of Pure and Applied Chemistry
Wendy	Broadgate	Sweden	
Kristaps	Broks	Latvia	
Michelle	Bruce	Australia	AASSREC
Melody	Burkins	United States	
Burke	Burnett	United States	Pacific Science Association
Angela	Camacho	Colombia	Academia Colombiana de ciencias exactas, físicas y naturales

Bonnie C	Carroll	United States	World Data System (WDS)
David	Castle	Canada	World Data System (WDS)
Richard	Catlow	United Kingdom	The Royal Society
Marie-lise	Chanin	France	Academie des Sciences France
Brotati	Chattopadhyay	India	Indian National Science Academy, India
Yue-Gau	Chen	Blank	Academia Sinica
Mei-hung	Chiu	China: Taipei	IUPAC
Han Yu	Chiu	Blank	Future Earth
Steven	Chown	Australia	Australian Academy of Science
Andrew	Cleland	New Zealand	ISC
Miodrag	Čolić	Serbia	Serbian Academy of Sciences and Arts
Ilona	Concha Grabinger	Chile	International Union of Biochemistry and Molecular Biology
Ruth	Cooper	United Kingdom	The Royal Society
Saths	Cooper	South Africa	
Nicolas	CORNU THENARD	France	International Association of Legal Science
Irasema	Coronado	United States	International Political Science Association
Edoardo	Costantini	Italy	IUSS
Lourdes J	Cruz	Philippines	National Research Council of the PhilippinesPhilippines
Christophe	Cudennec	France	IAHS (IUGG)
Marcos	Cueto	Brazil	Division of History of Science and Technology (DHST)
Zenonas	Dabkevičius	Lithuania	Lithuanian Academy of Sciences
Najwa	Daghestani	Jordan	Islamic World Academy of Sciences (IAS)
Felix	Dakora	South Africa	
Anna	Davies	Ireland	
Manuel	De León	Spain	Spain
Arno	De Marchi	France	International Science Council
Chamika	De Silva	Sri Lanka	National Science Foundation, Sri Lanka
Mathieu	Denis	France	International Science Council
Wiparat	De-ong	Thailand	National Research Council of Thailand (NRCT)
Rabindra Prasad	Dhakal	Nepal	Nepal Academy of Science and Technology
Suresh Kumar	Dhungel	Nepal	Nepal Academy of Science and Technology
Maria Laura	Di Lorenzo	Italy	CNR
Mürsel	Doğrul	Turkey	TÜBA
Patricia	Doherty	United States	Scientific Committee on Solar-Terrestrial Physics (SCOSTEP)
Virginia	Dominguez	United States	World Anthropological Union
Changyong	Dou	China	International Society for Digital Earth
Victorien Tamègnon	Dougnon	Benin	Global Young Academy
Luke	Drury	Ireland	Royal Irish Academy
Pearl	Dykstra	Netherlands	
Shymaa	Enany	Egypt	
Jüri	Engelbrecht	Estonia	Estonian Academy of Sciences
Anna	Erdei	Hungary	Hungarian Academy of Sciences
Maria J.	Esteban	France	International Council for Industrial and Applied Mathematics (ICIAM)
Xavier	Estico	Seychelles	
Bapon	Fakhruddin	New Zealand	Integrated Research on Disaster Risk (IRDR)
Marta	Farsang	Canada	National Research Council of Canada

Alberto	Fernandez	Spain	Secretaría General de Investigación - Ministerio de Ciencia e Innovación - Spain
Walter	Fernández	Costa Rica	National Academy of Sciences of Costa Rica
Sirimali	Fernando	Sri Lanka	
Masresha	Fetene	United States	African Academy of Sciences
Ruth	Fincher	Australia	
Norman	Fleck	United Kingdom	IUTAM
Katalin	Fodor	Hungary	Hungarian Academy of Sciences
Nathalie	Fomproix	France	IUBS
Enrique	Forero	Colombia	Academia Colombiana de Ciencias Exactas, Físicas y Naturales
Terrence	Forrester	Jamaica	Terrence Forrester
Edgar	Franco	Guatemala	Academy of Medical, Physical and Natural Sciences
Gerlis	Fugmann	Iceland	International Arctic Science Committee (IASC)
Alberto	Gago	Peru	Academia Nacional de Ciencias, Perú
Franz	Gatzweiler	China	Urban Health & Well-being (UHWB)
Mayette	Geronimo	France	International Science Council
Mohsen	Ghafory-ashtiany	Iran	IRDR
Domenico	Giardini	Switzerland	ICSU
Irvy	Gledhill	South Africa	IUPAP
Peter	Gluckman	New Zealand	ISC
Jaqueline	Godoy Mesquita	Brazil	Brazilian Academy of Sciences
James	Goh	Singapore	IUPESM
Barbaros	Gönençgil	Turkey	International Geographical Union
Kevin	Govender	South Africa	International Astronomical Union
Johanna	Grabow	United Kingdom	Scientific Committee on Antarctic Research (SCAR)
Anna-Maria	Gramatté	Germany	Global Young Academy
Priscilla C	Grew	United States	International Union of Geodesy and Geophysics
Eoghan	Griffin	United Kingdom	Scientific Committee on Antarctic Research (SCAR)
Robin	Grimes	United Kingdom	Royal Society
Yanfeng	Gu	China	China Association for Science and Technology
Alexandra	Guenneç	France	International Science Council
Huadong	Guo	China	International Research Center of Big Data for Sustainable Development Goals
Angela M	Guzman H	Colombia	Colombian Academy of Exact, Physical and Natural Sciences (ACCEFYN)
Sepo	Hachigonta	South Africa	National Research Foundation, South Africa
Heide	Hackmann	France	International Science Council
Lena	Halounova	Czech Republic	ISPRS
Mark	Hamilton	United States	
Qunli	Han	China	Integrated Research on Disaster Risk (IRDR)
Sari	Hanafi	Lebanon	International Sociological Association
Jie	Hao	China	China Association for Science and Technology
David	Harel	Israel	Israel Academy of Sciences and Humanities
Shigeko	Haruyama	Japan	Science Council of Japan
Azhan	Hasan	Qatar	Future Earth
Takehiko	Hashimoto	Japan	IUHPST / DHST
Ines	Hassan	United Kingdom	International Science Council
Brent	Herbert-Copley	Canada	Social Sciences and Humanities Research Council of Canada

Dudi	Hidayat	Indonesia	National Research and Innovation Agency, Indonesia
John G.	Hildebrand	United States	US National Academy of Sciences
Yukio	Himiyama	Japan	IGU
Simon	Hodson	France	Committee on Data (CODATA)
Helge	Holden	Norway	The International Mathematical Union
Arlene	Hopkins	United States	Future Earth
John	Howell	Israel	International Commission for Optics
Ren	Huang	Blank	Academy of Sciences located in Taipei
Roula	Inglesi-lotz	South Africa	Global Young Academy
Atsushi	Iriki	Japan	International Council for Laboratory Animal Science
Alik	Ismail-Zadeh	Germany	
Shuichi	Iwata	Japan	Committee on Data (CODATA)
Raymond	Jagessar	Guyana	Caribbean Academy of Sciences
Catherine	Jami	France	International Union of History and Philosophy of Science and Technology
Aaron	Janofsky	France	
Saroj	Jayasinghe	Sri Lanka	National Science Foundation
Gensuo	Jia	China	Regional Committee for Asia and the Pacific
Sergio de Jesús	Jorge Pastrana	Barbados	Academia de Ciencias de Cuba
Gabriel	Kabanda	Zimbabwe	Professor Gabriel Kabanda
Ivars	Kalvins	Latvia	Ivars kalvins
David	Kaplan	France	ISC
Fumiko	KASUGA	Japan	Future Earth
Bugwesa	Katale	Tanzania, United Republic of	
Roslyn	Kemp	New Zealand	International Union of Immunological Societies (IUIS)
Yeadong	Kim	South Korea	Scientific Committee on Antarctic Research (SCAR)
Yoon Soo	Kim	South Korea	National Academy of Sciences, Rep. of Korea (South)
Yoon	Kim	South Korea	National Academy of Sciences, Rep. of Korea (South)
Donghyun	Kim	South Korea	
Angus	Kirkland	United Kingdom	International Federation of Societies for Microscopy
Hiroshi	Kitazato	Japan	IUGS
Kseniya	Kizilova	Austria	World Association for Public Opinion Research
Michael	Kleine	Austria	IUFRO
Raina	Klüppelberg	Germany	ISC
Junji	Koizumi	Japan	WAO
Chihaya	Koriyama	Japan	Science Council of Japan
Polina	Koroleva	Russian Federation	UNEP
Takashi	Kosaki	Japan	International Union of Soil Sciences
Motoko	Kotani	Japan	SCJ
Emma	Kowal	Australia	Society for Social Studies of Science
Melle	Kromhout	Netherlands	KNAW
Renata	Kuskowska	Poland	Polish Academy of Sciences
Rattan	Lal	United States	IUSS
Geoffroy	Lambrecht	Canada	National Research Council of Canada
Sam	Lanfranco	Canada	Society for the Advancement of Science in Africa (SASA)
Lang	Lang	China	Integrated Research on Disaster Risk (IRDR)

MARIO R.	LANZA SANTAMARIA	Honduras	NATIONAL ACADEMY OF SCIENCES OF HONDURAS
Ari	Laptev	Sweden	Royal Swedish Academy of Sciences (KVA)
Dan	Larhammar	Sweden	Royal Swedish Academy of Sciences
Kirsi	Latola	Finland	University of Arctic
Doo Sung	Lee	South Korea	The Korean Academy of Science and Technology (KAST)
Jisoon	Lee	South Korea	National Academy of Sciences, Republic of Korea
Byeong Gi	Lee	South Korea	National Academy of Science, Republic of Korea
Thomas	LeGrand	Canada	Thomas LeGrand
Lai Peng	Leong	Singapore	Singapore National Academy of Science
Jinghai	Li	China	
Fang	Lian	China	Integrated Research on Disaster Risk (IRDR)
James C.	Liao	Blank	
Sven	Lidin	Sweden	IUCr
Denise	Lievesley	United Kingdom	International Statistical Institute
Tit Meng	Lim	Singapore	Singapore National Academy of Science
Ying-hsuan	Lin	China: Taipei	Integrated Research on Disaster Risk (IRDR)
Yi-Chun	Lin	China: Taipei	Academic Sinica
Zhen	Liu	China	International Society for Digital Earth
Susana	Lizano	Mexico	Mexican Academy of Sciences
Rubén Camilo	Lois-González	Spain	IGU/UGI
Marta	Losada	United Arab Emirates	Academia Colombia de Ciencias Físicas y Naturales
Benedikt	Löwe	United Kingdom	IUHPST
Yonglong	Lu	China	Pacific Science Association
Yisha	Lu	China	China Association for Science and Technology
John	Ludden	United Kingdom	International Union of Geological Sciences
Mahesh Prasad	Madhukar	India	Indian Council of Social Science Research (ICSSR)
Zdenka	Mansfeldova	Czech Republic	Czech Academy of Sciences
Pam	Maras	United Kingdom	International Union of Psychological Science (IUPsyS)
Miklós	Maróth	Hungary	Eötvös Loránd Research Network
Belen	Martin Miguez	Switzerland	Global Climate Observing System (GCOS)
Ban	Masadeh	Jordan	Royal Scientific Society - Jordan
Pamela	Matson	United States	
Phethiwe	Matutu	South Africa	National Research Foundation, SA
Anna	Mauranen	Finland	The Council of Finnish Academies (CoFA)
Michael	Meadows	South Africa	International Geographical Union
Narinder	Mehra	India	Indian National Science Academy
Alison	Meston	France	International Science Council
Fabienne	Meyers	United States	IUPAC
Catherine	Michaut	France	CNFCG
Humberto	Michinel	Spain	International Commission for Optics
Arto	Miettinen	Finland	Council of Finnish Academies
Belén Martín	Míguez		Global Climate Observing System (GCOS)
Laurel	Milliken	United States	Future Earth
Grant	Mills	New Zealand	International Network for Government Science Advice (INGSA)
Patricia	Miloslavich	United States	Scientific Committee on Oceanic Research (SCOR)
Mamurdzhon	Mirvaisov	Tajikistan	National Academy of Sciences of Tajikistan

Hamid	Mobasheri	Iran	University of Tehran
Reabetsoe	Molotsi	South Africa	National Research Foundation
Sarah	Moore	France	International Science Council
Christina	Moorhouse	United Kingdom	The British Academy
Mónica	Moraes R.	Bolivia, Plurinational State of	Academia Nacional de Ciencias
Elina	Moustaira	Greece	International Association of Legal Science
Nadeesha	Muhandiram	Sri Lanka	National Science Foundation, Sri Lanka
Raphael	Munavu	Kenya	Kenya National Academy of Sciences
Helena	Nader	Brazil	Brazilian Academy of Sciences
Mahesha	Nadugala	Sri Lanka	National Science Foundation
Padonou	Nazaire	Benin	Académie nationale des Sciences, Arts et Lettres du Bénin
Ababacar Sadikh	Ndoye	Senegal	ANSTS
Mona	Nemer	Canada	Government of Canada
Alexandra	Newton	United States	IUBMB
Duong	Nga	Viet Nam	Vietnam Union of Science and Technology Associations
Prof Catherine	Ngila	Kenya	The African Academy of Sciences
Joseph	Niemela	Italy	ICO
Nikolay	Nifantiev	Russian Federation	Russian Academy of Sciences
Doyin	Odubanjo	Nigeria	
Simon	Olsen	Japan	Institute for Global Environmental Strategies
Walter	Oyawa	Kenya	National Commission for Science, Technology and Innovation, Kenya
Augusta Maria	Paci	Italy	Augusta Maria Paci
Zuzana	Panczova	Slovakia	Slovak Academy of Sciences
maria	Paradiso	Italy	International Geographical Union
Katsia	Paulavets	France	International Science Council
Jürg	Pfister	Switzerland	Swiss Academy of Sciences (SCNAT)
Roger	Pfister	Switzerland	Swiss Academy of Humanities and Social Sciences
Mariusz	Piskula	Poland	International Union of Food Science and Technology
Jennifer	Plaul	Germany	Global Young Academy
Bernhard	Plunger	Austria	Austrian Academy of Sciences
Ulrich	Pohl	Germany	IUPS
Silvina	Ponce Dawson	Argentina	IUPAP
Zivko	Popov	Macedonia	Macedonian Academy of Sciences and Arts
Anda	Popovici	France	International Science Council
Lourdes	Portus	Philippines	Philippine Social Science Council
Cheryl	Praeger	Australia	
Vish	Prakash	India	IUNS
Nancy	Pritchard	Australia	Australian Academy of Science
Jiuyi	Qin	China	China Association for Science and Technology
Shannon	Quinn	Canada	National Research Council of Canada
Jomar	Rabajante	Philippines	National Research Council of the Philippines
Yashwant	Ramma	Mauritius	Yashwant
Roberta	Ramponi	Italy	International Commission for Optics
Ülle	Raud	Estonia	
Daya	Reddy	South Africa	
Elisa	Reis	Brazil	

Anet	Režek Jambrak	Croatia	Global Young Academy
Roger	Ridley	New Zealand	Royal Society of New Zealand
Clarissa	Rios Rojas	United Kingdom	Global Young Academy
Chris	Rizos	Australia	IUGG
Kanruethai	Rod-iv	Thailand	National Research Council of Thailand (NRCT)
Jose Miguel	Rodriguez Espinosa	Spain	IAU
Alexis	Roig	Spain	SciTech DiploHub
Gabriela	Romanciuc	Moldova (Republic of)	Academy of Sciences of Moldova
Terrie	Romano	Canada	National Research Council of Canada
Alexander	Rudloff	Germany	IUGG International Union of Geodesy and Geophysics
Urs	Rüegg	Switzerland	Urs Rüegg
Motomitsu	Sadayasu	Japan	Science Council of Japan
Elaine	Sadler	Australia	Australian Academy of Science
maria	samayoa	Guatemala	Academy of medical physical and natural science of Guatemala
Suriyanarayanan	Sarvajayakesavalu	India	SCOPE
Thomas	Sauer	United States	International Union of Soil Sciences
Ariya	Sawada	Japan	Science Council of Japan
Lizzie	Sayer	France	International Science Council
Marcos	Scheuenstuhl	Brazil	Brazilian Academy of Sciences
Samuel	SEFA-DEDEH	Ghana	Ghana Academy of Arts and Sciences
Palesa	Sekhejane	South Africa	Human Sciences Research Council
Mojalefa	Sello	Lesotho	
Frances	Separovic	Australia	Australian Academy of Science
Seteney	Shami	Lebanon	Seteney Shami
Mostafa Moonir	Shawrav	Austria	Marie Curie Alumni Association (MCAA)
Xuehua	Shi	China	Chinese Academy of Social Sciences
Yoko	Shimpuku	Japan	Science Council of Japan
Sawako	Shirahase	Japan	Science Council of Japan
Wesley	Shrum	United States	Ethnografilm
Marie-Alexandrine	Sicre	France	Scientific Committee on Oceanic Research (SCOR)
Leickness	Simbayi	South Africa	HSRC
Anjana	Singh	Nepal	Nepal Academy of Science and Technology
Giles	Sioen	Japan	Future Earth
J. G. Shantha	Siri	Sri Lanka	National Science Foundation, Sri Lanka
Craig	Skerritt	Ireland	
Violeta	Skirgailienė	Lithuania	Lithuanian Academy of Sciences
Roman	Słowiński	Poland	Polish Academy of Sciences
Alan	Smeaton	Ireland	Royal Irish Academy
Oumar	Sock	Senegal	National Academy of Sciences and Techniques of Senegal
Tarmo	Soomere	Estonia	Estonian Academy of Sciences
Vitor	Souza	Brazil	Brazilian Academy of Sciences
Michel	Spiro	France	IUPAP
monthip	Sriratana	Thailand	monthip sriratana
Vivi	Stavrou	Belgium	International Science Council
Anne-Sophie	Stevance	France	International Science Council

Teresa	Stoepler	United States	
Aldo	Stroebel	South Africa	National Research Foundation
Megha	Sud	France	International Science Council
Gyula	Súmeghy	Hungary	Eötvös Loránd Research Network
Yue	Sun	China	China Association for Science and Technology
Adrienn	Szendrey	Hungary	Eötvös Loránd Research Network Secretariat
Krisztina	Szepesvári	Hungary	Eötvös Loránd Research Network
Kajita	Takaaki	Japan	Science Council of Japan
Joshua	Takalimane	Lesotho	Department of Science and Technology
Yukari	Takamura	Japan	Science Council of Japan
Hiroyuki	Takeda	Japan	Science Council of Japan
Sarah	Talon Sampieri	Italy	International Science Council
Xu	Tang	China	Integrated Research on Disaster Risk (IRDR)
Nerma	Tanović	Bosnia and Herzegovina	Academy of Sciences and Arts of Bosnia and Herzegovina
Natalia	Tarasova	Russian Federation	
Liliane	Teixeira	Brazil	
Ayako	Terauchi	Japan	Science Council of Japan
Najeh	Thabet Mliki	Tunisia	University of Tunis El Manar
Anne	Thieme	France	International Science Council
Hans	Thybo	Denmark	Royal Danish Academy of Sciences and Letters
Ion	Tiginyanu	Moldova (the Republic of)	Academy of Sciences of Moldova
Vincent Pk	Titanji	Cameroon	Cameroon Academy of Sciences
Timothy	Trainor	United States	International Cartographic Association
Ilze	Trapenciere	Latvia	Latvian Academy of Sciences
Zhenya	Tsoy	France	International Science Council
Hiroko	Tsuboi-friedman	Japan	Science Council of Japan
Collin	Tukuitonga	New Zealand	
Graham	Twaddle	United Kingdom	International Science Council
Mitsuo	Uematsu	Japan	SCJ
Maria	Ulvesæter		
Judit	Ungvari	United States	Future Earth
Liana	Vaccari	United States	The National Academies of Sciences, Engineering, and Medicine
Narelle	Van Der Wel		World Climate Research Programme (WCRP)
Sjef	Van Erp	Netherlands	International Association of Legal Science
Albert	Van Jaarsveld	Austria	IIASA
Renee	Van Kessel-Hagesteijn	Netherlands	
Thijs	Van Kolfschoten	Netherlands	INQUA
Ada	Van Krimpen	Netherlands	International Statistical Institute
Frances	Vaughan	New Zealand	International Science Council
Gabriella	Verbovszky	Hungary	Eötvös Loránd Research Network
Gabriella	Viero	Italy	IUPAB
Pattranit	Vijitchairach	Thailand	National Research Council of Thailand (NRCT)
Wilson	Villones	Philippines	Philippine Social Science Council
Martin	Visbeck	Germany	
Pablo	Vommaro	Argentina	CLACSO

Gert	von Bally	Germany	International Commission for Optics
James	Waddell	France	International Science Council
Changlin	Wang	China	International Society for Digital Earth
Linying	Wang	China	Chinese Academy of Social Sciences
Qinglin	Wang	China	China Association for Science and Technology
Kwansiri	Wanwiwake	Thailand	The National Research Council of Thailand
Charah	Watson	Jamaica	Scientific Research Council
Anthony	Watts	United Kingdom	IUPAB
Ann D.	Watts	South Africa	International Union of Psychological Science
Kathy	Whaler	United Kingdom	International Union of Geodesy and Geophysics
Carol	Woodward	United States	International Council for Industrial and Applied Mathematics (ICIAM)
Diana	Worrall	United Kingdom	IAU
Anyi	Xu	Singapore	Singapore National Academy of Science
Dongmei	Yan	China	International Society for Digital Earth
Guiying	Yan	China	ICIAM
Lin	Yin	China	China Association for Science and Technology
Miia	Ylostalo-Joubert	France	International Science Council
Sinjae	Yoo	South Korea	Scientific Committee on Oceanic Research (SCOR)
A. Nuri	Yurdusev	Turkey	Turkish Academy of Sciences
Gözde	Yurttagül	Turkey	THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY
Michele	Zema	United Kingdom	International Union of Crystallography
Mykhailo	Zgurovsky	Ukraine	National Academy of Sciences of Ukraine
Yuanyuan	Zhang	China	China Association for Science and Technology
Yongguan	Zhu	China	Yongguan Zhu
Ismayil	Zulfugarov	Azerbaijan	Azerbaijan National Academy of Sciences
Hector F.	Zuluaga	Colombia	



Resolution One:

Actioning the recommendations of the “Draft Report on the ISC Strategy in the Intergovernmental System”

ISC/GA-2/DOC.18.1

[For adoption]

RESOLUTION

The General Assembly recognizes the urgent need for science to have greater influence and impact on policy making and programming at all levels of governance.

We welcome the recommendations of the Council’s international Steering Group on the role of the ISC in the intergovernmental system. We also welcome the United Nations Secretary General’s intention to re-establish the Secretary General’s Scientific Advisory Board¹ and strongly endorse the ISC’s intention to engage actively in supporting its development and effective operation in order to fully integrate scientific evidence into international policy making.

The General Assembly requests the new Governing Board to respond to the Steering Group’s recommendations through the development of an action-oriented strategy that fully mobilizes the scientific and policy expertise of ISC members, partners and broader international networks.

¹ See Our Common Agenda – Recommendation under Commitment 8 “Upgrade the United Nations:
https://www.un.org/en/content/common-agenda-report/assets/pdf/Common_Agenda_Report_English.pdf



Resolution Two:

Endorsing the “Eight principles for reform of scientific publishing” and working together to achieve reform.

ISC/GA-2/DOC.18.2

[For adoption]

PREAMBLE

The International Science Council’s vision of science as a global public good envisages the scientific enterprise as globally inclusive and sensitive to diverse perspectives. Ideas, evidence and data must be disseminated widely, and be openly available for sceptical scrutiny, revision and use, through efficient and accessible publication systems. Widespread concern about systemic shortcomings in these priorities stimulated an ISC community debate that led to articulation of the principles set out in the ISC report “Opening the record of science: making scholarly publishing work for science in the digital era”¹.

RESOLUTION

This 2nd General Assembly of the International Science Council resolves to:

1. Endorse the principles below as a guiding framework for necessary reform of scientific publishing.
2. Work together to achieve reform.

¹ <https://council.science/wp-content/uploads/2020/06/2020-02-19-Opening-the-record-of-science.pdf>

PRINCIPLES OF SCIENTIFIC PUBLISHING

1. There should be universal open access to the record of science, both for authors and readers, with no barriers to participation, in particular those based on ability to pay, institutional privilege, language or geography.
2. Scientific publications should carry open licences that permit reuse and text and data mining.
3. Rigorous, timely and ongoing peer review must continue to play a key role in creating and maintaining the public record of science.
4. The data and observations on which a published truth claim is based should be concurrently accessible to scrutiny and supported by necessary metadata
5. The record of science should be maintained in such a way as to ensure open access by future generations.
6. Publication traditions and the bibliodiversity of different disciplines and regions should be respected, whilst recognizing the need for communication and interoperability in the shared enterprise of knowledge.
7. Publication systems should be so designed to continually adapt to new opportunities for beneficial change rather than embedding inflexible systems that inhibit change.
8. Governance of the processes of dissemination of scientific knowledge should be accountable to the scientific community.