



INTERNATIONAL UNION OF
PURE AND APPLIED CHEMISTRY

52nd IUPAC COUNCIL MEETING

Detailed Agenda

Distributed to the National Adhering Organisations on 19 July 2023

Revised version distributed to the National Adhering Organisations on 14 August 2023

Notes:

- This detailed agenda contains links to all files referred to herein, and therefore serves as a Council Meeting Directory (CMD). This file is a stand-alone reference if you are online.
- Please refer to the CMD for a [list of the National Adhering Organisations](#) (NAOs) and their delegates.
- Votes are weighted per delegation as indicated in the above-mentioned list.

1. 14:00, 10 minutes: Introductory remarks and finalization of agenda

For Information

Javier García Martínez

2. 14:10, 10 minutes: Approval of the minutes of the 51st Council Meeting and matters arising

For Information and Decision: voting by show of hands

Javier García Martínez

The [draft minutes of the 51st Council meeting](#) are in the CMD for review.

Motion: Minutes of the 51st Council Meeting, which was online only, are approved.

3. 14:20, 5 minutes: Ratification of decisions taken by the Bureau and the Executive Committee since the 51st General Assembly

For Information and Decision: voting by show of hands

Javier García Martínez

The following meetings were held by the Bureau and the Executive Committee since the Council

Meeting of 5 and 13-15 August 2021 (held virtually, based in Montréal, Canada):

- [Council Special Meeting](#): 4 June 2022, online
- [110th Bureau Meeting](#): 24 April 2023, online
- [109th Bureau Meeting](#): 4-6 November 2022, Frankfurt, hybrid (plus [supporting information](#))
- [108th Bureau Meeting](#): 9 April 2022, online
- [107th Bureau Meeting](#): 20 November 2021, online
- [106th Bureau Meeting](#): 1 September 2021, online
- [162nd Executive Committee Meeting](#): 27 March 2023, online
- [161st Executive Committee Meeting](#): 16 February 2023, continued on 6 March 2023, online
- [160th Executive Committee Meeting](#): 6 November 2021, online

A [summary of the decisions taken at these meetings](#) is in the CMD, as well as concise minutes for each of these meetings.

Motion: Council ratifies all decisions taken by the Bureau and Executive Committee, since those approved by the Council at its 51st meeting in Montréal, Canada (online).

4. 14:25, 5 minutes: Adoption of Recommendations on Nomenclature and Symbols

For Information and Decision: voting by show of hands Richard Hartshorn

Motion: Council formally adopts the Recommendations approved by the Interdivisional Committee on Terminology, Nomenclature and Symbols (ICTNS) and published, or scheduled to be published, in *Pure and Applied Chemistry* from August 2021 to August 2023.

5. 14:30, 10 minutes: Announcement of nominations for Union Officers and Science Board and Executive Board Members

For Information Richard Hartshorn

According to Statute 5.7.2, the Council must elect the Officers of the Union, and the Elected Members of the Executive Board and the Science Board. According to Bylaw 2.2.2.1, nominations are due at least two months prior to the beginning of the Council Meeting at which the elections will take place. The nominations for the positions that will fall vacant at the end of 2023 were received by the Secretary General at the IUPAC Secretariat within this due date.

During the Council Meeting of 2023 the new incumbents for the positions listed below must be elected, namely the Vice President, the Secretary General, the six Elected Members of the inaugural Executive Board and the up to five Elected Members from the chemistry community at large of the inaugural Science Board. Please refer to the CMD for [more details about the candidates listed below](#).

Officers of the Union

For Secretary General

- Christine Luscombe (Japan)
- Zoltan Mester (Canada)

For Vice President

- Lidia Armelao (Italy)
- Mary Garson (Australia)
- Zhigang Shuai (China/Beijing)

Please note that the current Vice-President, Ehud Keinan, and the current President, Javier García Martínez, will start their terms as President and Past President, respectively, on 1 January 2024. The term of the current Treasurer, Wolfram Koch, will run until the end of 2025.

For Elected Members of the Executive Board

- Hemda Garelick (UK)
- Richard Hartshorn (New Zealand)
- Bonnie Lawlor (USA)
- Christine Luscombe (Japan)
- Zoltan Mester (Canada)
- Gloria Ukalina Obuzor (Nigeria)

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- Bipul Saha (India)
- Zhigang Shuai (China/Beijing)
- Miroslav Štěpánek (Czech Republic)
- Pietro Tundo (Italy)

From this group, six members must be elected.

For Council-Elected Members of the Science Board:

- Eva Åkesson (Sweden)
- David Berkowitz (USA)
- Pierre Braunstein (France)
- Amanda Forster (USA)
- Alejandra Palermo (UK)
- Peter Schreiner (Germany)
- Chi-Huey Wong (China/Taipei)
- Jihong Yu (China/Beijing)

From this group, up to five members must be elected.

6. 14:40, 5 minutes: Announcement of time of elections and description of procedure

For Information

Richard Hartshorn

The elections for Vice President and Secretary General, as well as the Elected Members of the Executive Board and the Council-Elected Members of the Science Board will begin at 09.00 on Thursday, 24 August 2023. Tellers will be appointed.

7. 14:45, 20 minutes: Statutory report of President on State of the Union

For Information

Javier García Martínez

Coinciding with our Centennial in 2019, IUPAC embarked on a major effort to build a leaner, more effective, and more useful organisation. Part of this shared vision was the launch of several global activities that were originally conceived for the International Year of the Periodic Table, and were such a remarkable success that they have been continued as regular activities of our organisation, including the Global Women's Breakfast, the Periodic Table Challenge, and the Top Ten Emerging Technologies in Chemistry. All of these activities help us to increase our visibility and to raise awareness and public appreciation of chemistry worldwide. Other important initiatives are covered in [the complete report](#):

- Adapting IUPAC Organizational Structure to a Rapidly-Changing Reality
- Improving our internal and external communication
- Creating a More Diverse and Inclusive IUPAC
- Digital IUPAC: Making chemical data FAIR

The complete report, as well as a report on the [IUPAC Communications Survey](#) and a summary of [suggestions for communication from IUPAC's NAOs](#), can be found in the CMD.

8. 15:05, 20 minutes: Vice President's Critical Assessment

For information

Ehud Keinan

All these issues represent my personal commitment and preferred agenda. Rather than criticizing previous activities, I will focus on essential issues of the highest priority for the upcoming biennium:

- Promote initiatives and projects of enhanced scope, impact, high reputation, and global visibility, which can attract external matching funding.
- Seek financial support from global foundations, the chemical industry, government agencies, and philanthropy to significantly increase the number of IUPAC's NAOs.
- Enhance visibility, relevance, and citations of IUPAC's publications.
- Develop programs and financial support to encourage individual membership.
- Significantly expand IUPAC's portfolio of prizes, awards, and lectureships.
- Enhance partnership and collaboration with the chemical industry and global organizations.

The [complete assessment](#) is in the CMD.

9. 15:25, 20 minutes: Report of Secretary General

For Information

Richard Hartshorn

This report is more extensive than my previous reports to Council, as it includes retrospective views of IUPAC during my two terms as Secretary General, my personal views on the challenges that IUPAC will face in the coming biennia, and what may be required to meet them adequately. These sections are largely incorporated into the more standard report topics, which are:

- Secretariat: New Executive Director and the election process
- Conference endorsements: Including more local events and striving for diversity
- Projects
- Digital Standards Initiatives: IUPAC's position and WorldFAIR
- IUPAC's future

The [complete report](#) is in the CMD.

-----15:45, 15 minutes: Break until 16.00-----

10. 16:00, 20 minutes: Applications for IUPAC National Adhering Organisation membership

For Decision: voting by show of hands

Richard Hartshorn

There is one new application from Honduras and a reapplication from Jordan. Complete documentation is in the CMD.

Honduras: National Autonomous University of Honduras (UNAH), NAO New admission:

The [application and supporting documents](#) are in the CMD for review. Upon recommendation of the Treasurer, the Bureau has reviewed the application material and recommended their application be put forth to Council vote. The minimal subscription fee of US\$1000 per year is recommended by the Bureau. This is not aligned with the subscription formula approved by Council, which enables a minimum subscription of US\$3615. However, this would mismatch Honduras relative to countries with a similar economic and scientific profile whose membership fees are significantly less. Under these circumstances, it is more important for the Union to allow Honduras to become a NAO and thus increase

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the number of countries within the IUPAC family than to follow the rule to the letter. If the membership of UNAH is approved, this will enable them to cast one (1) vote. Please note that this is not unprecedented; Kazakhstan's NAO joined IUPAC as a minimum-subscription country after the introduction of the formula.

Motion: Council approves the National Autonomous University of Honduras (UNAH) as a National Adhering Organization effective 1 January 2024.

Jordan: Jordanian Chemical Society (JCS), NAO Readmission

The Jordanian Chemical Society had fallen into arrears in 2020, leading to a suspension of their membership in 2022. In the meantime, The JCS has undergone reorganization and a concerted effort will be made to honour their commitments to IUPAC, should Council approve the renewal of JCS's membership. Their [application files](#) are in the CMD for reference. The 2024 National Subscription for the Jordanian Chemical Society will be US\$1,000, and if approved, the Jordanian Chemical Society can cast one (1) vote.

Motion: Council approves the Jordanian Chemical Society as a National Adhering Organization effective 1 January 2024.

11. 16:20, 25 minutes: Proposals for Changes to the Statutes and Bylaws of the Union

For Decision: voting by Delegation

Richard Hartshorn

- 1.1. Changing "National Adhering Organization" to "Council Member Organization".
- 1.2. Changes related to financial status: The Union shall be under no obligation to support the involvement of individuals whose Council Member Organization is more than twelve months in arrears (S9.2).
- 1.3. Voting at Council meetings: Membership has been adjusted to allow voting on admission (B1).

Please refer to the CMD for an [annotated copy of the IUPAC Statutes and Bylaws](#) that indicate the proposed changes and the reasoning behind them.

Motion: Council approves the proposed changes to the IUPAC Statutes and Bylaws.

12. 16:45, 15 minutes: Activities with Partner Organizations: IYCN, OPCW

IYCN

For Information and Decision: voting by Delegation

Javier García Martínez

The International Younger Chemists' Network (IYCN) submitted an application to be incorporated into IUPAC's structure. [Please refer to the CMD for their application](#). At their online meeting on 24 April 2023, the Bureau approved the incorporation of the IYCN as an IUPAC Committee with retention of the name IYCN and with autonomous management of their external communications. The exact details of the incorporation (number of members, workflows, liaising with other bodies within IUPAC, etc.) will be determined by the Science Board. US\$2000 of the proposed 2024/2025 budget is allocated to IYCN operational expenses, as for other IUPAC Committees.

Motion: Council approves the incorporation of the IYCN as an IUPAC Committee with retention of the name IYCN and with autonomous management of their external communications, with the details of the incorporation to be decided by the Science Board.

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OPCW

For Information

Chris Brett

The [report of the Past President](#), Chris Brett, on IUPAC's activities with the OPCW is in the CMD.

-----**END OF DAY ONE – COUNCIL RECEPTION 18:00**-----

REMINDER: Elections will begin at 9:00 am Thursday 24 August. All Delegations must be in the Council room and seated to begin promptly. Doors will be closed and no late entry will be possible.

13. 09:00, 30 minutes: Elections of Officers (Vice President and Secretary General) and Council-Elected Members of Executive Board and Science Board

For Decision: voting is by delegation in a secret ballot (Bylaw 2.2.2) Richard Hartshorn

Motion: Council ratifies the election of the new Vice President, Secretary General, Elected Members of the Executive Board and Council-Elected Members of the Science Board at the 52nd Council Meeting in The Hague, Netherlands.

14. 09:30, 45 minutes: Bids for and voting on location and dates of 55th General Assembly and 52nd World Chemistry Congress (2029)

For Decision: voting is by delegation in a secret ballot (Bylaw 2.2.3) Richard Hartshorn

The vote for the location and date of the 2029 WCC/GA follows the pattern of the elections used for Officers of the Union (Bylaw 2.2.2.2). **The bid receiving the majority of votes cast will be deemed selected to host the 2029 WCC/GA.** If no bid receives a majority on the first ballot, the bid receiving the fewest number of votes will be eliminated and another ballot will be cast. Four proposals to host the 2029 WCC/GA were received and all relevant documentation, including the revised proposals after review by the Bureau, was received within the due dates. The bid proposals are in the CMD. Each bid presentation will be up to ten minutes.

- China/Beijing: [Chengdu](#)
- China/Taipei: [Taipei](#)
- Czech Republic/Slovakia: [Prague](#)
- Germany: [Düsseldorf](#)

15. 10:15, 30 minutes: Reports of Division Presidents

For Information and Discussion Richard Hartshorn

Noted here, but will be done separately by means of posters and informal discussion. There will be limited time for discussion during the Council Meeting. The summary for each Division is given below the list of CMD contents for this point:

- [Discussion points, highlights, plans and priorities](#) for each Division in a single file
- [Each Division's report in its folder](#)

Report summaries:

Division I

Based on the February project report, there are six projects past end date. All the TG Chairs were contacted and we are waiting for replies/updates. A new project (IUPAC proposal # 2023-001-1) entitled "Redefining Proton Affinity For Molecules With Asymmetric Proton Binding Sites", chaired by Dr. Emmanuel E. Etim from Federal University Wukari, Nigeria is about to start in this year. However, the budget of 5,500.00 USD has yet to be approved due to required further clarifications. The President is contributing to develop two project proposals about self-assembly peptides and PFAS.

Division I last online was on July 25th, 2022, and next is planned in June 2023 for preparing the General

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Assembly. Main activity in this period has regarded procedures for 2024/2025 elections of officers, as well as Science Board members. The Division has also given its support to the endorsement of several meetings, such as NICE, ICSC, PBSi2023, ICCT, etc., and the President participated in the evaluation of the 2023 IUPAC-Solvay Young Chemists Award. Furthermore, the President has taken part in the organization on the IUPAC23 meeting at The Hague as board member of the topic “Chemistry at the Molecular Frontiers”.

Division II

Division II and its Commissions deal with all aspects of inorganic chemistry and its applications, including materials and bioinorganic chemistry, with isotopes, atomic weights and the Periodic Table.

Division II will be committed in projects and will promote initiatives essential for the IUPAC core value “Scientific excellence and objectivity” and for providing scientific expertise related to critical global issues in collaboration with other Divisions, SCs and other external bodies.

Division II will promote the participation of Young Observers to the 52nd Council Meeting. The experience in 2021 was successful, appreciated and productive leading to a network, based on diversity and inclusion, of active and motivated young scientists who are already working on common projects and have jointly organized scientific initiatives.

Division III

Division III activities are focused on demonstrating the role of organic and biomolecular chemistry for solving issues related to health, sustainable development, among others that are threatening humankind and the world. Composed by highly scientifically qualified elected members, Division III comprises 10 Titular members, 6 Associate Members and 10 National Representatives, with geographical diversity and a reasonable gender balance, seeking to work with the young generation of researchers and motivating them to participate in their projects and other activities. The main pillars of the activities consist on: a) defining common languages, standards and data collections, suitable for the new digital era; b) promoting a strong interaction with organic and biomolecular chemists, being IUPAC the reference institution; c) developing communication activities highlighting the importance of IUPAC for excellence in chemistry and communication; d) developing dissemination activities aimed at the general public, to show chemical innovation for social well-being. Division III has five Sub-committees overseeing activities in organic synthesis, biomolecular chemistry, photochemistry, structural and mechanistic chemistry and biotechnology.

Division IV

While 2022-2023 brought joy in that we were able to see each other in-person for the first time in 3 years, it was also a difficult year in that we lost 3 dear friends of the Polymer Division.

Melissa Chan (1974-2022) – she had just taken over as the Chair of the Subcommittee of Polymer Education in July 2022. Soon after, we received the devastating news that her cancer had not responded well to treatment.

Yusuf Yagci (1952-2023) – his most notable contribution to the Polymer Division was the organization of the World Polymer Congress, Macro 2016, in Istanbul, just days after the coup in Istanbul.

Pavel Kratochvíl (1930-2023) – a long-standing member of the Polymer Division since 1977 who we had appointed an Emeritus Fellow in 2020.

All 3 were formidable members of the Polymer Division and they will be greatly missed.

Division V

Division V has regained momentum as the global pandemic waned. We have increased our outreach to younger members through increased activity in the Young Observer Program and by establishing an Early-Mid Career Scientists Subcommittee; completed the 'Compendium of Terminology in Analytical Chemistry' (the Orange Book) containing more than 3000 IUPAC-Recommended terms; made awards to eminent analytical chemists; prepared a revision of our rules for approval by Council; organized two conferences and a webinar series; and participated in 23 joint projects with six other Divisions and two Standing Committees, reflecting our focus on all aspects of the chemical measurement process. Looking forward we are eager to embrace the new structure of IUPAC and to work with the Science Board to deliver the future strategy of the Union. We will maintain project work and subcommittee structures in subjects where output and impact have usually been high. Specifically, activities in solubility and equilibrium data and metrology will be encouraged, and these will embrace FAIR principles. We will prioritize our largest on-going project which relates to the training of analytical scientists, and the identification and promotion of best practices.

Division VI

One of the priorities of this biennium 2022-2023 has been to restrengthen active participation within the Division and its two subcommittees after the years of the pandemic when part of their vitality was lost. To this purpose, a number of actions have been undertaken as planned at the beginning of the biennium. These actions should show their effects in the next biennium in synergy with the new IUPAC organization, becoming effective in 2024. Projects activity has been very intense, both for the number of events organized and the number of new projects approved in this biennium. About 70% of the project budget has been already spent and new projects are in preparation with an expenditure forecast of 100% of the allocated budget by the end of the year. Critical global issues highlighted by the Intergovernmental Panel on Climate Change (IPCC), Sustainable Development Goals (SDG) and the United Nations Environment Program (UNEP), are being addressed by the Division, in line with IUPAC strategy. Remarkable dissemination activity has been carried out in scientifically emerging regions like Cambodia (November 2022) and Central Asia (May 2023). Collaboration with OPCW has been strengthened.

Division VII

Division VII continues to promote chemistry in the service of human health and well-being and has had a productive biennium despite pandemic-related challenges. Projects are currently organized in three subcommittees, with a total of 18 active projects, two-thirds of which involve partners in other IUPAC divisions or external organizations. The Drug Discovery and Development SC continues to focus on aspects of drug discovery and has instituted a new newsletter to broaden their reach outside IUPAC. The Toxicology and Risk Assessment SC projects address aspects of toxicology and risk assessment with an increasing emphasis on projects that address world-wide challenges such as drugs of abuse and misused drugs and health impacts of environmental pollutants. The Nomenclature for Properties and Units SC develops terminology for properties and units in clinical laboratory sciences, with a current emphasis on broadening the reach of the program. Future projects, as well as several new projects initiated during the last biennium, will continue to address global problems. These include dealing with the human

health impact of environmental pollutants associated with, for example, PFAS, new classes of nanomaterials, and contamination.

Division VIII

The activities of Division VIII (Chemical Nomenclature and Structure Representation) are closely aligned with IUPAC's Mission Statement, namely to "provide objective scientific expertise and develop the essential tools for the application and communication of chemical knowledge for the benefit of humankind and the world."

During this biennium Division VIII has completed a revision and digitalization of the Nomenclature of Organic Chemistry, IUPAC Recommendations and Preferred Names 2013 ("The Blue Book"), and formed a partnership with CPCDS and the Pistoia Alliance around a digital standard for the representation of Macromolecules.

Work on division projects has progressed, albeit slowly over this biennium. The Division's project teams will be meeting in Schiphol, Netherlands before the General Assembly to collaborate and progress the work of the division.

16. 10:45, 15 minutes: Reports of Standing Committee Chairs

For Information, Discussion, and Decision: voting by show of hands
IUPAC policies for approval from CEDEI can be found in the CMD:

Richard Hartshorn

- [IUPAC Guidelines \(April 2023\)](#)
- [IUPAC Social Media Policy](#)
- [IUPAC Harassment Policy](#)
- [IUPAC Conflict of Interest Policy](#)
- [IUPAC Privacy Policy](#)
- [IUPAC Financial Policy Document Retention Policy](#)

Motion: Council approves the IUPAC Guidelines and the four policies presented by the Committee for Ethics, Diversity, Equity and Inclusion.

The reporting is noted here, but will be done separately by means of posters and informal discussion. There will be limited time for discussion during the Council Meeting. The summary for each Standing Committee is given below the list of CMD contents for this point:

- [Discussion points, highlights, plans and priorities](#) for each Committee in a single file
- [Each Committee's report in its folder](#)
- [The end-of-June 2023 Project Financial Report](#)
- [The end-of-July 2023 Project Financial Report](#)

Report summaries:

CEDEI

Establishment of the Committee for Ethics, Diversity, Equity, and Inclusion (CEDEI) was approved by the 51st Council meeting in 2021.

An additional Term of Reference highlighting the leadership role of IUPAC on matters relating to EDEI within the global chemistry community is submitted for 52nd Council approval.

An "umbrella" set of guidelines, linking four policy documents previously approved by the 108th Bureau, and providing further details of best practise for the chemistry community, has been prepared and

together with a new policy document on social media is submitted for approval by the 52nd Council. Members of CEDEI ran an online session on Moving Ahead on Gender Equity: A Chemistry Perspective in the webinar series hosted by the Standing Committee for Gender Equality in Science (associated with the International Science Council). A project proposal entitled Guiding Principles for the Responsible Practice of Chemistry is funded by IUPAC. Together with the Royal Society of Chemistry (UK), CEDEI will host a session on Crafting an Ethical Framework for Global Chemistry at the WCC in The Hague. Members of CEDEI play leadership roles in the Gender Gap project and the Global Women's Breakfast events, both funded by IUPAC.

CHEMRAWN

This committee brings chemistry into action in civil society in a way that benefits people and their quality of life. The topics that CHEMRAWN focuses on relate to the UN Sustainable Development Goals and so the committee serves IUPAC's vision as part of 'an indispensable worldwide resource for chemistry'. Activities in 2022-23 included webinars, workshops, symposia and projects tied to future actions from CHEMRAWN XXII (E-waste in Africa) 2021 and the International Year of Basic Sciences for Sustainable Development 2022/23. All Committee activities were aimed at fulfilling IUPAC's mission and strategic plan through pursuit of the application of chemistry in the service of humankind and the world. Moving forward, we plan to achieve our goals, not only in our one-of-a-kind multidisciplinary conferences and the work of the related future outcomes committees, but with outreach, workshop and symposia to raise the profile of IUPAC with stakeholders. CHEMRAWN XXIII on 'Safe and Secure Water Access', which builds on a Workshop at Malta X in 2022, is being planned for 2024. We have made progress in building collaborations with other committees and divisions (especially CCE, COCI, ICGCSD, Division II and Division VI).

CCE

The CCE has fully recovered from the slump in conference and project activity imposed by the pandemic. The 26th ICCE conference was hosted successfully in Cape Town in July 2022, and the project pipeline recovered fully. The CCE legacy programs were revived: one Young Ambassadors for Chemistry (YAC) event was held in Cape Town in July 2022 and a Flying Chemistry Educators Program (FCEP) workshop on small-scale chemistry was held in Nepal in October 2022. The committee completed 4 projects in 2021 & 2022, is currently leading 8 projects, and has partnered with IUPAC entities to collaborate on another 8 projects. All projects led by the CCE are well-aligned with the IUPAC strategic plan and CCE priorities for this biennium. Most current project work focuses on promoting the alignment of chemistry education with sustainability imperatives, either through systems thinking projects or green chemistry education.

Chemistry Teacher International (CTI) was accepted in both SSCI and Scopus and the editorial board was placed under the wing of CPCDS. The journal is financially sound, making a small profit every year. The APC will increase to € 500 in 2023, but reduction schemes are used for developing regions.

COCI

The IUPAC Committee on Chemistry and Industry is the focus within IUPAC for issues of importance to the global chemical industry. COCI is developing new programs and projects on emerging topics. It is also a conduit for communications between IUPAC and National Adhering Organizations (NAOs), Company Associates (CAs), and individual scientists.

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To achieve these goals, we work in the following areas:

- COCI has been leading the engagement of IUPAC with the Strategic Approach to International Chemical Management (SAICM) which promotes safety using of chemicals. The SAICM discussion process is currently underway in virtual groups. Fifth session of the International Conference for Chemicals Management (ICCM5) - Bonn, Germany, 25 - 29 September 2023
<https://www.saicm.org/About/ICCM/ICCM5/tabid/8207/language/en-US/Default.aspx> .
- “Systems Thinking in Chemistry” for Sustainability: Toward 2030 and Beyond (in collaboration with CCE): COCI is participating in this project with STC-Secretary (Saha Bipul Behari) as Co-Chair.
- Examples of Green Industrial Processes (in collaboration with CCE and CHEMRAWN): A special issue of Chemistry Teacher International was brought out in which 10 industrial processes were described where Green Chemistry an

CPCDS

CPCDS advises the Union on the design and implementation of IUPAC outputs from scientific activities, including publications, data sharing and digital standards development. Collectively, these outputs promote exchange and application of human and machine-readable chemical information in support of the IUPAC Mission to develop a common language for chemistry. A key objective is to contribute to a global technical infrastructure that will facilitate the maximum dissemination and usage of IUPAC’s content in the digital environment.

CPCDS is working towards a systematic and sustainable program of digital standards development and FAIR dissemination of IUPAC assets. A critical priority for IUPAC is to digitalize the workflows and outputs of the many existing and emerging projects to evaluate and define properties, terms, notations and other guidance that will facilitate their use in online scientific workflows, software and other applications, such as AI/ML. CPCDS is actively engaging with the broader scientific community through several external initiatives including the global WorldFAIR project to understand the needs and requirements across sectors, disciplines and use cases, and to foster broad adoption.

ICGCSD

This report mainly includes Awards, Activities/Conferences/Summer Schools, Publications on IUPAC Journals and Magazines, and Current Projects related with ICGCSD.

Project Committee

A summary of the financial activity since January 1, 2022 is presented and detailed. The flow of submissions has decreased and has not yet returned to pre-covid time.

With an increased focus on digital in 2022 and following CPCDS impetus, a section on Outcome/Data & Digital outputs was added in the information file for submitters.

ICTNS

Please refer to the complete report in the CMD.

-----11:00, 15 minutes: Break (until 11:15) -----

17. 11:15, 15 minutes: Finance Report

For Information and Decision: voting by delegation

Wolfram Koch

General Finances

The overall financial situation of IUPAC has benefitted from the low-travel years up to the end of 2021. However, 2022 has been significantly more challenging due to a return to travel, inflation and reduced income. Please also keep in mind that the budget for 2022/2023 assumes a deficit for the biennium of more than US\$250,000. This means that just because an expense is budgeted does not mean that the Union can afford to spend that money. The [complete report](#) and [supporting information](#) is in the CMD.

Report of the Treasurer

After the extraordinary biennium 2020/21, which was significantly influenced by the pandemic and the corresponding significant decrease in travel activities, which in turn led to lower expenses for the Union, the current biennium 2022/23 is characterized by a back-to-normal scenario. Travel expenses have significantly picked up again, on the one hand due to increased travel but on the other hand also due to increased costs. In general, the massive inflation we have seen in 2022 and also in the first half of 2023 has led to an increased burden on our budget. Please refer to the CMD for the [complete report](#).

Scheduled National Subscription Review

It had been decided at the Virtual Council Meeting of 31 July 2018 that the Member Subscriptions should be subject to a review ahead of the 2024 cycle. This review was conducted by Chris Brett (Past President), Wolfram Koch (Treasurer) and Greta Heydenrych (Executive Director) and the results were presented to the Finance Committee and the Bureau, who approved that this should go before Council for final sign-off. Please refer to the CMD for the [detailed proposal](#) (while noting here that a few NAOs' membership in the new biennium are still pending, see Topic 10 and the full report of the Treasurer). In short, for this review period (2024-2027), we agreed on a general annual correction of 7%, which will be implemented as follows:

- Adjustment for countries below target is the general correction OR 3%, whichever is bigger, in this case 7%.
- Adjustment for countries on target is the general correction, in this case 7%.
- Adjustment for countries above target is the general correction less 3%, in this case 4%.

Motion: Council approves the proposed adjustments to the national subscription calculation to safeguard IUPAC's financial future and to ensure that IUPAC's income from national subscriptions reaches the amount forecast by the calculation sooner.

18.11:30, 60 minutes: Budget Proposal

For Decision: voting by delegation

Wolfram Koch

The budget proposal presented here has been approved by the Finance Committee at a meeting for this purpose on 25 May 2023. The [full proposal](#) can be viewed in the CMD.

IUPAC has had problems with meeting its prior obligations for projects, travel and related activities before the pandemic already, in part because we relied on a fortuitous balance between income for a given year and claims made in that same year, regardless of when the budget behind those claims had been allocated and which assumptions may govern next budgets, including fluctuating income. The result is that we do not have a clear overview of IUPAC's financial situation except after the fact, and

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therefore, we are not in a position to make sound estimates of how much funding would be available for new allocations. Therefore:

- Working with similar assumptions before would put us deeper into deficit and is not an option.
- The new governance structure must be reflected in the budget, even if the decision about the exact distribution between various bodies does not affect the budget's bottom line.
- Prior commitments tend to get paid from the current budget, i.e. commitments are made before we have received the corresponding income. In a time of fluctuating income, this may cause us to overcommit – therefore accrued liabilities must be made explicit in the new budget. Please note that this has no operational implications, except that the amounts that can be assigned to new projects is calculated after existing liabilities have been accounted for. The fourth tab of the budget file contains a worked example for a generic division to illustrate the presentation in the budget.
- The Treasurer and the Executive Director agree that it is their duty to present a balanced budget to the Finance Committee and to Council in order to safeguard the financial sustainability of the Union.

Further details:

- In previous budgets, assignment per Division/Committee had been made based on historical TM numbers. In this budget assignments are made according to current number of TMs. This would somewhat affect the calculation of accrued liabilities, as this has been made with the new TM assignment.
- The bodies that will receive budget are the Divisions, and the following Committees: Committee on Chemistry Education, Committee on Ethics, Diversity, Equity and Inclusion (as decided by the Bureau in November 2022), Committee on Chemical Research Applied to World Needs, Committee on Chemistry and Industry, Committee on Publications and Cheminformatics Data Standards, Interdivisional Committee on Green Chemistry for Sustainable Development, Interdivisional Committee on Terminology, Nomenclature and Symbols, Project Committee, Science Board and the Executive Board.
 - The Science Board will receive 25% of the total budget available for projects in 2024 and 2025, as discussed by the Bureau in their November 2022 meeting in Frankfurt. The Science Board will not receive budget for their TMs.
 - In addition to their TM budget, the Project Committee and CPCDS will each receive 7.5% of the total available budget, for larger strategic projects and for investment in IUPAC's digital future, respectively.
 - The Executive Board will receive budget for the six Elected Members.
 - The Finance Committee will cease to receive budget, as they will be doing all their work via online meetings.
 - The Centenary Endowment Board is not yet operational and will therefore receive no budget.
 - The International Younger Chemists' Network will receive \$2000 operating budget over the biennium.

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In the longer term, there will be a careful review of IUPAC's expenses to bring down operational costs. Another initiative will be to transition IUPAC's budget from the current pay-as-you-go model to a model where funds allocated in a given year is allocated against the current budget rather than against future budgets. **Motion:** Council approves the recommended 2024-2025 Budget.

-----12:30, 60 minutes: Council Lunch until 13:30-----

19.13:30, 10 minutes: Centenary Endowment Fund

For Information

Wolfram Koch

Setting up the Centenary Endowment Board (CEB) and accompanying Fund (CEF) in the form decided upon at the 2021 Council Meeting remains a challenge. The Terms of Office for the CEB are clearly described in the Statutes and Bylaws and imply that the CEB will be responsible for fundraising for IUPAC, not of operating funds, but of endowment donations. These endowments would not be connected to any specific project, although the CEB may make recommendations. The ambitious idea behind the CEF is to raise an endowment of the order of at least several million USD, to enable an income of about USD 100,000 per year for use on specific projects.

However, ongoing attempts by the Treasurer and others even just to identify suitable members for this body have been unsuccessful thus far, especially if one keeps in mind the needed qualifications of these persons and that there should be diversity with regard to gender, geography and other dimensions. Also the idea to appoint a professional fundraiser seems unfeasible, considering the nature of our connections and our limited budget.

At its 2023 Annual Review Meeting, the Finance Committee (FC) discussed the current situation and makes the following recommendations to Council:

- Let's keep on generating ideas for the CEB, however without too much concern for a timeline.
- It is essential that future financial plans of the Union must not rely on the existence of the CEB and its Fund.
- The CEB cannot be the sole responsibility of the FC and/or Treasurer of the Union. Therefore, other bodies of IUPAC should also give input, and this may rather be something for the future Executive Board together with the Officers.

In summary: We should keep on generating ideas, and accept that this may take longer and/or take a different form than previously agreed upon. In the meantime, it is essential that no current or future financial planning of IUPAC should rely on the CEF.

20. 13:40, 5 minutes: Proposals formally received from National Adhering Organizations

For Information

Richard Hartshorn

There were no proposals received from National Adhering Organizations for consideration by the Council.

21. 13:45, 5 minutes: Applications for Associated Organization Status

For Information

Richard Hartshorn

No applications for Associate Organisation Status have been received. [A list of Associated Organisations](#) is in the CMD with more details [online](#). The International Association of Catalysis Societies (IACS) is three years in arrears (2020-2022).

22. 13:50, 30 minutes: Approval of Division Arrangements

Approval of Commissions

For Decision: voting by show of hands

Richard Hartshorn

The suggested composition of the Commissions are in the CMD.

Bylaw 3.302 requires that Council reapprove all existing Commissions at each General Assembly.

Motion: Council reauthorizes the Commission on Physicochemical Symbols, Terminology and Units, the Commission on Isotopic Abundances and Atomic Weights, and the IUBMB- IUPAC Joint Commission on Biochemical Nomenclature (JCBN).

Divisional and Committee rules

For Decision: voting by show of hands

Richard Hartshorn

[Division V \(Analytical Chemistry\) has submitted changes to their rules](#). The details can be found in the CMD.

Motion: Council approves the suggested changes in rules for Division V.

Approval of Elected Officers of Division Committees

For Decision by Delegations, or by simple majority (Bylaws B 2.2.3 and B 3.15)

Richard Hartshorn

Elected Officers of Division Committees 2024-2025

Division I	Position	Term	Country
Frances Separovic	President	2024-2025	Australia
Pierangelo Metrangolo	Past-President	2024-2025	Italy
Joaquim Faria	Secretary	2024-2027	Portugal
Jeremy G. Frey	Vice President	2024-2025	United Kingdom
Division II ¹	Position	Term	Country
Lidia Armelao	President	2022-2025	Italy
Jorge Colón	Secretary	2024-2027	Puerto Rico
Robin Macaluso	Vice President	2024-2027	USA
Division III ²	Position	Term	Country
Einar Uggerud	President	2024-2025	Norway
Amelia Rauter	Past-President	2024-2025	Portugal
Ari Koskinen	Vice-President	2024-2025	Belgium
Cristina Nativi	Secretary	2022-2025	Italy
Division IV	Position	Term	Country
Igor Lacik	President	2024-2027	Slovakia
Christine Luscombe	Past-President	2024-2027	Japan
Paul Topham	Secretary	2024-2027	UK

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Peter Mallon	Vice President	2024-2027	South Africa
Division V³	Position	Term	Country
Derek Craston	President	2024-2027	UK
David Shaw	Past-President	2024-2025	USA
Luisa Torsi	Secretary	2024-2025	Italy
Division VI	Position	Term	Country
Annemieke Farenhorst	President	2024-2025	Canada
Roberto Terzano	Past-President	2024-2025	Italy
Diane Purchase	Secretary	2024-2027	United Kingdom
Fani Sakellariadou	Vice President	2024-2025	Greece
Division VII⁴	Position	Term	Country
Vladimir Gubala	President	2024-2025	United Kingdom
Helle Møller Johannessen	Past-President	2024-2025	Denmark
Linda Johnston	Secretary	2024-2027	Canada
Division VIII⁵	Position	Term	Country
Michelle Rogers	President	2022-2025	United States
CCE	Position	Term	Country
Marietjie Potgieter	Chair	2022-2025	South Africa
Felix Ho	Secretary	2022-2025	Sweden
COCI	Position	Term	Country
Anna Makarova	Chair	2020-2027	Russia
Bipul Saha	Secretary	2022-2025	India
ChemRAWN⁶	Position	Term	Country
Francesca M. Kerton	Chair	2020-2027	Canada
ICGCSD	Position	Term	Country
Buxing Han	Chair	2022-2025	China/Beijing
Pietro Tundo	Secretary	2022-2025	Italy
CPCDS	Position	Term	Country
Leah McEwen	Chair	2024-2027	USA
Dana Vanderwall	Secretary	2024-2027	USA
ICTNS	Position	Term	Country
Jürgen Stohner	Chair	2022-2025	Switzerland
D. Brynn Hibbert	Secretary	2022-2025	Australia

¹ Division II's President has a four-year term and there is no Past-President.

² Division III's Secretary and Vice President will be named from the 8 TMs.

³ Division V elected no Vice president, as they will switch to a four-year term for their President.

⁴ Division VII's Vice President will be named from the TMs.

⁵ Division VIII's President has a 4-year term and has no Past President. The Vice-President and Secretary will be named from the TMs.

⁶ ChemRAWN's Secretary will be named from the TMs.

Motion: Council approves the results from elections of Division Committee Officers.

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Elections for Divisional Titular Members have been completed, as well as the elections for the IUPAC Committee-elected Science Board members. The [proposed 2024-2025 Division Rosters](#) and the members of the Science Board established thus far are in the CMD. **This is the status on 27 July and the proposed rosters may be subject to change before the Council Meeting.**

Motion: Council receives the results from elections of Titular Members of the Division Committees and the thus far known members of the Science Board.

23. 14:20, 10 minutes: Composition and Terms of Reference of New Standing Committees

For Decision, voting by delegation

Richard Hartshorn

The Committee on Ethics, Diversity, Equity and Inclusion (CEDEI) proposes an addition to its Terms of Reference. The proposed Term of Reference would be:

“(vi) In line with the mission and core values of IUPAC, to make recommendations to the global chemistry community with respect to matters relating to ethics, diversity, equity and inclusion, and to encourage their adoption by chemistry organizations and practitioners of chemistry.”

[CEDEI’s complete Terms and References](#) are in the CMD.

Motion: Council approves the Composition and Terms of Reference of the Committee on Ethics, Diversity, Equity and Inclusion.

24. 14:30, 15 minutes: Presentation of IUPAC service awards

For Celebration!

Javier García Martínez

25. 14:45, 15 minutes: Plans for the 53rd General Assembly and 50th Congress in 2025 (Kuala Lumpur, Malaysia)

For Information

Soon Ting Kueh

Soon Ting Kueh will provide an update to the Council on the plans for IUPAC 2025.

26. 15:00, up to 60 minutes: Matters Referred to Council by Bureau at 52nd General Assembly, Not Covered by Items on Council Agenda

For Information and Discussion

Richard Hartshorn

The 111th Bureau meeting will have taken place on Tuesday 22 August 2023 in The Hague. Any matters arising from that meeting for Council will be addressed here.

27. 16:00, 10 minutes: Any Other Business

For Information and Discussion

Richard Hartshorn

28. 16:10, 5 minutes: Closing Remarks, Acknowledgements, Adjournment

Javier García Martínez
