



IChO 2023 Closing Ceremony at the Tonhalle Concert Hall; gold medalists fly their flags as all participants show their support.

IUPAC and the International Chemistry Olympiad have joined forces to promote new vocations in chemistry. The importance of this mission cannot be overstated. By promoting excellence and recognizing talented students, the IChO inspires the next generation of chemists to pursue careers in this vital scientific field. Encouraging young people to explore and embrace chemistry is paramount, as it lays the foundation for future discoveries and innovations that can address pressing global challenges ranging from sustainable energy solutions to environmental protection and medical breakthroughs. The combined efforts of IUPAC and IChO contribute significantly to the advancement of chemistry and its critical role in shaping a better and more sustainable world for generations to come. Let's meet again at the 56th International Chemistry Olympiad in Ryad, Saudi Arabia, in July 2024.

<https://www.icho2023.ch/>

Report prepared by Victor Sabanza <victor.sabanzagil@epfl.ch> a PhD candidate at the École Polytechnique Fédérale de Lausanne (EPFL) and a volunteer during the IChO 2023 in Zürich.

WorldFAIR month 12 deliverables

In June 2023 CODATA announced that all the WorldFAIR month 12 deliverables have been submitted to the EC HORIZON agency and are available in their Zenodo community:

- WorldFAIR Project (D3.1) Digital recommendations for Chemistry FAIR data policy and practice: <https://doi.org/10.5281/zenodo.7887283>
- This report reviews some of the critical and persistent issues around documentation of chemical information. These were identified through a series of webinar panels on the theme: "What is a chemical?", and through other conferences, workshops, and ongoing collaborative projects run as part of the WorldFAIR project and IUPAC (the lead organisation of WP03). See IUPAC Project 2022-012-1-024
- WorldFAIR Project (D4.1) Nanomaterials domain-specific FAIRification mapping: <https://doi.org/10.5281/zenodo.7887341>
- WorldFAIR Project (MS6) Geochemistry Scientific Content Component: <https://doi.org/10.5281/zenodo.7977116>
- WorldFAIR Project (D7.1) Population Health Data Implementation Guide: <https://doi.org/10.5281/zenodo.7887385>
- WorldFAIR Project (D8.1) Urban Health Data – Guidelines and Recommendations: <https://doi.org/10.5281/zenodo.7887523>
- WorldFAIR Project (D9.1) Data standard for sharing ecological and environmental monitoring data documented for community review: <https://doi.org/10.5281/zenodo.7849241>
- WorldFAIR Project (D12.1) Disaster Risk Reduction Case study report: <https://doi.org/10.5281/zenodo.7887557>



- WorldFAIR Project (D13.2) Cultural Heritage Image Sharing Recommendations Report: <https://doi.org/10.5281/zenodo.7897244>

This is a fantastic achievement and there is a lot of really important work described and communicated in these deliverables. The external reviewer commented on the quality and readability of the outputs. That reflects the efforts of the primary authors, but also of all the internal reviewers and the considerable editorial and proof-reading. The process is essential to ensuring the quality of the outputs and that they will be read and have impact. Congratulations to all involved and to the authors for their hard work and for helping the project stick to the deadlines.

WorldFAIR, a global initiative to advance implementation of the FAIR data principles within and across research domains, is funded by the EC HORIZON-WIDERA-2021-ERA-01-41 Coordination and Support Action under Grant Agreement No. 101058393. Visit WorldFAIR online at <http://worldfair-project.eu>

Actions Taken by IUPAC Council, The Hague, Netherlands, August 2023

On 23 and 24 August 2023, the 52nd IUPAC Council was held in The Hague Netherlands along with the IUPAC General Assembly and the 49th World Chemistry Congress, IUPACiCHAINS.

The Congress and General Assembly both were a huge success, and IUPAC thanks the Royal Netherlands Chemical Society for their hospitality throughout the event. Of the 13 motions presented, Council passed 11 in a productive meeting. The list of all the motions that were presented are below; the online version includes embedded links to access background information.

Motion 1: Minutes of the 51st Council Meeting, which was online only, are approved.

This motion was passed with a show of hands.

Motion 2: 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).

This motion was passed with a show of hands.

The corresponding minutes and list of decisions made are linked below.

Council Special Meeting: 4 June 2022, online

110th Bureau Meeting: 24 April 2023, online

109th Bureau Meeting: 4-6 November 2022, Frankfurt, hybrid

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

Motion 3: 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.

This motion was passed with a show of hands.

Motion 4 concerned the applications for IUPAC National Adhering Organisation membership for Honduras and Jordan. Each of these countries would enter IUPAC with a National Subscription of US\$1000 and with one vote at Council Meetings.

Motion 4a: Council approves the National Autonomous University of Honduras as a National Adhering Organization effective 1 January 2024.

This motion was passed with a show of hands.

Motion 4b: Council approves the Jordanian Chemical Society as a National Adhering Organization effective 1 January 2024.

This motion was passed with a show of hands.

Motion 5 concerned proposals for changes to the Statutes and Bylaws of the Union. These were voted on by delegation, *i.e.* by show of cards, and each needed a two-thirds majority of the total number