

## EC&CC meeting, 27-30 October 2025

### Review of Day 2

The review of Day 1 was presented and the participants who had not been present the first day were introduced.

The first presentations of the day concerned **Commission** matters. The need to receive reports from Commissions and ACs on time was emphasized. A request was made to all **CCs** to send, **by mid November, brief paragraphs** describing how the themes of their Commissions are related to **themes of interest for CERN**. The aim of this request is to compile this information to share with CERN authorities in the understanding that it could help develop a new IUPAP-CERN relationship. Sunil Gupta will provide a template for CCs to use to this end. A brief comment was made on the **fund allocation for Commission Prizes other than ECSPs**. This usually comes from the funds that are allocated for the functioning of the Commissions or from external donors or sponsors. Other arrangements should be agreed upon with the officers before incurring in the accompanying expenses. The following point addressed the need to soon start the process to **identify the next CCs** (who will start their terms in January 2028) and the **members of the EC who will need to be replaced** after the next in-person GA. The [current balance](#) of CCs and of EC members was shared. A Resolution was passed in 2024 to elect these new CCs and new EC members as Chairs or EC members “designate” at the 2026 GA. Although this seems feasible in the case of CCs, it looks difficult to implement in the case of the EC. To this end, a [revision](#) of the 2024 Resolution was presented. The **revised resolution** maintains the need to **elect the designated CCs at the 2026 GA**. The officers will liaise with the CCs to advance in this regard. The **agreement with Frontiers in Physics** was addressed again. The plan is to produce a **Special Issue to be released in 2028** with mini-review contributions from ECSP recipients from, hopefully, all Commissions. To this end, it was agreed that Gabriella Marra, from the Secretariat in Trieste, will produce the list of most recent ECSP recipients, as well as a list of the areas in which new awardees are expected to be defined by the end of 2027. A strategy will then be devised to decide who of these awardees will be invited to submit their contributions trying to keep a balance among Commissions. The possibility of **liaising with Frontiers in Physics and the Frontiers Planet Prize** for the organization of the **2027 GA and associated ICP** was described. The Chair of Commission **C2 on Symbols, Units, Nomenclature, Atomic Masses and Fundamental Constants**, Daniel Varela Magalhães, gave a presentation about the current activities of C2, showing that it has resumed most of the activities that had stopped advancing with in recent years (ECSPs, SUNAMCO medal, Red Book). He described the liaisons of C2 with other IUPAP structures and with BIPM. The **future looks very promising** and it seems that C2 should stay as a Commission. This presentation was followed by another by Christian Rothleitner, who will be hopefully be appointed Chair of **WG13 on the Newtonian Constant of Gravitation** on Friday. Christian explained the plans and challenges to advance with the measurement of this constant, highlighting that the decision to **extend the existence of WG13 through the end of 2027** is correct.

The [proposal](#) elaborated by the **Rejuvenation Task Group**, and a [description of the steps followed](#) in this regard, were then presented with relative detail. Some of [the associated resolutions](#) were briefly overviewed and a comment was made that there are still some discussions related to DEI issues and WG5 on Women in Physics. The possibility of **constructing a database** of physicists from the list of attendants of IUPAP Conferences and various options to **increase revenue** were very briefly discussed as well.

After a brief break, the discussions on **WGs** were initiated. The Secretary of **WG21** on Physics for Climate Change Action and Sustainability, Igle Gledhill, and the Chair of **WG20** on Open Science, Alex Hansen, presented the advances of their groups. The actions of WG21 are closely intertwined with IUPAP activities that have been described the Review of Day 1. The presentation of Alex Hansen started with a description of the **UNESCO Recommendation on Open Science** which inspired the creation of WG20 and then introduced the list of WG20 members. It then addressed the issue of Open Access which raised several comments and discussions afterwards. The presentation then looked at Data preservation and sharing, the FAIR2 Open Specification and some of the initiatives of CODATA, the Commission on Data of the International Science Council. **CODATA** had its GA a week ago and Alex was IUPAP's representative in it. Cyrus Walther, on the other hand, was re-elected as member of the EC of CODATA. It is important that IUPAP establishes a clear strategy to liaise better with IUPAP. Alex and Cyrus can help in this regard.

The resolution to **dissolve WG19** on Quantum Science and Technology was briefly mentioned. Then, the [report](#) of the group that looked at the possibility of **creating** a Commission on QST recommending it be called **Commission on Quantum Technology** was briefly commented. This sparked some debate, starting with the reason for the name. Dropping the word Science (or Physics) from the name was motivated in the decision to reduce the overlap with existing Commissions with physicists who do basic research on the subject. The question of which would be the (physics) community associated with this Commission was then raised. The focus would be on people involved with applied physics. This could attempt with IUPAP's desire established in its Articles and Regulations of interlacing pure and applied physics within each Commission. The final decision on the creation, name, and preliminary composition will be made at the next IUPAP GA. There is still one year to discuss these issues.

The **creation** of other WGs, on **AI** and on the **creation of new SCs**, was briefly described.

Finally, the **financial situation** of the Union in recent years and the perspectives for 2025-2027 were presented by the Treasurer, Boris Sharkov. After some years with deficits, the future looks promising. IUPAP has a strong reserve and we are planning to use it to advance with various necessary changes, such as having a more efficient scheme for **communications**, revamping the **Nominations website** and set up a new interphase for the **submission of nominations for Prizes and applications for Conference Sponsorship** and Endorsement. IUPAP acted as the management/treasurer for the International Year of Basic Sciences for Sustainable Development (IYBSSD) and continued

to do so for the Earth Humanity Coalition, EHC, the structure that has been established to advance the goals of the International Decade of Sciences for Sustainable Development. The decision to stop acting in this capacity for ECH as of 2026 was presented.