

ACCU Activities 2024

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What is ACCU?

- Advisory Committee of CERN Users (ACCU)
- Forum for discussion between CERN Management and the representatives of the CERN Users community (Delegates)
 - to review the practical means taken by CERN for the work of Users
 - Website where you can read the mandate: <https://accu.web.cern.ch/>

What is ACCU?

- Each member State: 1 or 2 Delegates (depending on size)
- Each associate members: 1 Delegate
- Non-member states: 4 Delegates (organised in regions)
- CERN: 2 Delegates
- The Chairperson of ACCU is elected from among the Delegates.
 - In 2024 we got a new chair: Patrick Koppenburg (representing Netherlands)
- I am the Swedish 🇸🇪 delegate since Jan 2020
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ACCU Meetings

- ACCU meetings are held four times per year.
- The meetings are closed
 - agenda, minutes and uploaded presentations are open and are accessible by anyone (with exceptions)
 - <https://indico.cern.ch/category/1058/>
 - The meetings have public minutes, and you can check everything we discuss

What do we talk about in ACCU?

- Management gives news during every meeting
- Then the usual topics are:
 - Health care
 - Housing
 - Travel, Mobility, and Transport
 - Environment
 - CERN Restaurants
- <https://accu.web.cern.ch/node/27>



Up to you! If there is anything you think we should be discussing, or something you have questions for, let me know!



Hot topics since last time we talked

- Opening of Science Gateway:
 - October 2023
- CERN 70s anniversary events/celebrations:
 - Ongoing
- IT department:
 - Migration to Microsoft 365 service (started in 2022) for mail, calendaring and groupware
 - junk mails put in quarantine
 - 2-Factor Authentication (2FA)! Everybody's favorite!

Things the Swedish community brought up this year



Office space for theory will be investigated!

- **Trees:** We always want more trees
 - Answer: About hundred trees per year are planted.
 - Action item: I do not think we have enough trees anyway.
- **Airport shuttle:** we want it back (we are not alone)
 - Answer: No airport shuttle is foreseen in the future mainly for reasons of costs, and the existing public transport solution.
 - Action item: I will insist.
- **Bicycling safety:** I got a lot of feedback asking for more safety when biking.
 - This is an ongoing discussion, that will continue.
- **Visitors:** we would like to make it easier again to bring in visitors without so much paperwork.
 - Answer: The security policy requires users to be registered.

Things that the Swedish community helped with

- New bike shelters and bike racks are appearing (we asked for them)
- More electric options are also around
- Environmental issues taking center stage



**ISO 50001
Certificate**

CERN's strategy for environment & sustainability

ENERGY

1215 GWh

The Laboratory is committed to limiting rises in electricity consumption to 5% up to the end of Run 3 (baseline year: 2018), while delivering significantly increased performance of its facilities. It is also committed to increasing energy reuse.

In 2021 and 2022, CERN consumed 991 GWh and 1215 GWh of electricity respectively.

In addition, the Organization consumed 67 GWh (240 T.J) and 51 GWh (184 T.J) of energy generated from fossil fuels in the two years respectively.

EMISSIONS

184 173 tCO₂e

CERN's objective is to reduce direct emissions by 28% by the end of Run 3 (baseline year: 2018).

The scope 1 emissions in 2021 and 2022 were 123 174 and 184 173 tonnes of CO₂ equivalent (tCO₂e) respectively.

The total amount of scope 2 greenhouse gas emissions due to CERN's electricity consumption was 56 382 and 63 161 tCO₂e in 2021 and 2022 respectively.

Total scope 3 emissions arising from business travel, personnel commuting, catering, waste treatment and water purification amounted to 7813 and 8956 tCO₂e in 2021 and 2022 respectively.

Scope 3 emissions arising from procurement, which are reported for the first time, amounted to 98 030 tCO₂e and 104 974 tCO₂e in 2021 and 2022 respectively.

WATER AND EFFLUENTS

3234 ML

The Laboratory is committed to keeping the increase in its water consumption below 5% up to the end of Run 3 (baseline year: 2018), despite a growing demand for water cooling at the upgraded facilities.

In 2021 and 2022, CERN used 2661 and 3234 megalitres of water respectively.

IONISING RADIATION

< 0.01 mSv

The European annual dose limit for public exposure to artificial sources is 1 mSv. CERN is committed to keeping its contribution to no more than 0.3 mSv per year.

The actual dose received by any member of the public living near the Laboratory was less than 0.01 mSv in the reporting period, which is more than 100 times lower than the average annual dose received from medical exposure per person in Switzerland.

IN BRIEF 2021-2022

This reporting period saw the completion of the second long shutdown and the restart of the accelerator complex (Run 3) with a view to reaching the new collision energy of 13.6 TeV at the Large Hadron Collider (LHC). In some domains environmental indicators may be very different during shutdown years compared to operation years, so they are shown for both years to highlight this, where relevant. 2022 indicators are prominently shown for those domains where objectives have been defined, namely Energy, Emissions and Water and Effluents.

WASTE

69% recycled

CERN's aim has been to increase its recycling rate for non-hazardous waste. The recycling rate rose from 56% in 2018 to 69% in 2022.

In 2021 and 2022 respectively, CERN disposed of 5111 tonnes and 8812 tonnes of non-hazardous waste, and of 1544 tonnes and 1295 tonnes of hazardous waste, including 307 and 519 tonnes of radioactive waste.

NOISE

45 dBA at night

CERN is committed to restricting noise at its site perimeters to 70 dBA during the day and 60 dBA at night.

Over this reporting period, CERN implemented measures to improve its noise management, including the installation of an online real-time monitoring system at Point 2 of the LHC and Point 4 of the SPS. Average noise levels measured on the boundaries of CERN's sites are typically around 50 dBA during the day and 45 dBA at night.

BIODIVERSITY

18 species of orchids

Inventories of flora and fauna were conducted in 2022. A further two species of orchid were identified, bringing the total on the CERN sites to 18, as well as 62 species of Lepidoptera and 32 species of Orthoptera.

KNOWLEDGE TRANSFER

8 environmental projects

In 2022, CERN launched the Innovation Programme on Environmental Applications (CIPEA), which spans four focus areas where CERN's know-how can be of use, namely renewable and low-carbon energy; clean transportation and future mobility; climate change and pollution control; and sustainability and green science.

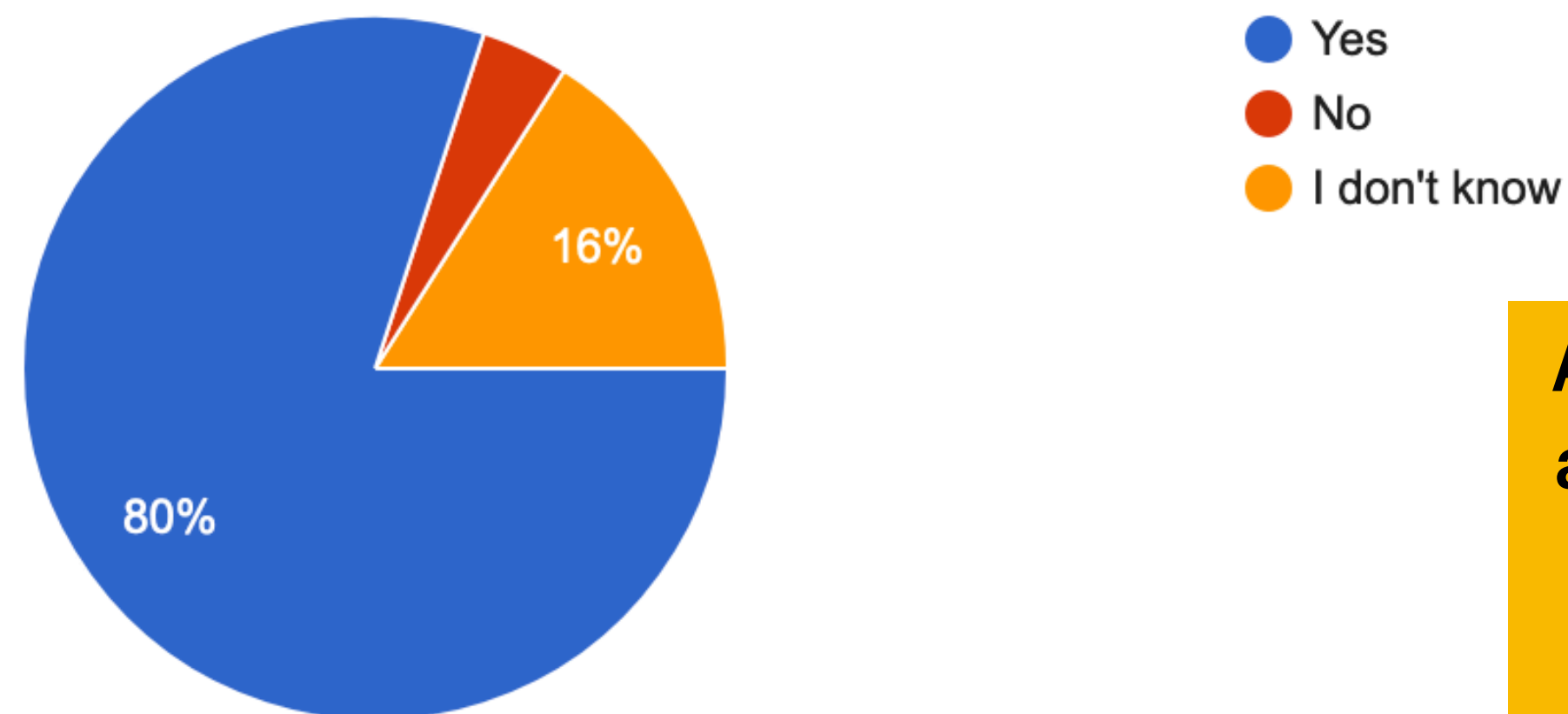
Eight projects were selected for implementation with the financial support of external partners or the Knowledge Transfer fund.

2023 Questionnaire

- I sent you a form to fill and 28 of you answered, thanks so much!
- As usual, I only came back to those leaving a explicit question/comment

Does your health insurance cover you at CERN?

25 responses



**As usual: 16% of you still are not sure about health insurance when you go to CERN (last year was 7%! What happened!?)
Do check before your next CERN trip!**

New survey!

- 2024 edition!
- <https://forms.gle/REEyZW5t731c1Mue6>

