

# News from CERN

**34<sup>th</sup> EPPCN Meeting**

**Ana Godinho**

**16.11.2023**

# Science Gateway inauguration – 7 October

## CERN inaugurates Science Gateway, its new outreach centre for science education

CERN has inaugurated its new emblematic centre for science education and outreach targeting a public of all ages. The building was designed by world-renowned architect Renzo Piano and funded by external donations.

7 OCTOBER, 2023



President of the CERN Council, Eliezer Rabinovici, President of the Swiss Confederation, Alain Berset, CERN Director-General, Fabiola Gianotti, Chair of Stellantis, John Elkann, and architect Renzo Piano, right after cutting the ribbon of Science Gateway, officially declaring the project open.

Geneva, 7 October 2023. Today, CERN inaugurated its new state-of-the-art facility for science education and outreach. In a day-long inauguration event, CERN debuted [Science Gateway](#) to the President of the Swiss Confederation, ministers and other high-level authorities from CERN's Member and Associate Member States, the project's donors and partners in CERN's research, education and outreach. Designed by world-renowned [Renzo Piano Building Workshop](#), the new facility is open to visitors from around the world, from the age of five and upwards. It will allow CERN to significantly expand its portfolio of educational and outreach activities. CERN Science Gateway will be open to the public as of tomorrow, [8 October 2023](#).

<https://home.cern/news/news/cern/cern-inaugurates-science-gateway-its-new-outreach-centre-science-education>



Science Gateway inauguration speech : John Elkann



Science Gateway inauguration speech : Alain Berset



Science Gateway inauguration speech : Fabiola Gianotti



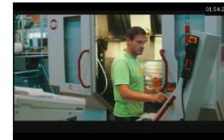
Science Gateway inauguration speech : Eliezer Rabinovici



Science Gateway inauguration speech : Renzo Piano



Science Gateway messages from international teachers



Science Gateway round table



footage de la visite de Renzo Piano avec Fabiola Gianotti da [...]



Science Gateway : the making of a dream



Coupure de Ruban du Portail de la Science



footage of Kids visiting Science Gateway



Video News Release: Inauguration Science Gateway



Social media clip Science Gateway ceremony of inauguration

<https://videos.cern.ch/search?page=1&size=21&q=sgw2023>

## Media interest and coverage

### Several media visits pre-inauguration

- Local, national and international
- Science, travel, lifestyle

### On the day

- >80 journalists
- 58 media outlets (local, national, international, science, lifestyle)
- >2000 media clippings

# Science Gateway open to the public – as of 8 October

## CERN Science Gateway: highlights from the first opening weeks

See photo highlights from the inauguration and the first visitors to CERN's brand new centre for education and outreach

20 OCTOBER, 2023 | By Naomi Dinmore

On Saturday, 7 October, CERN [inaugurated](#) its brand new centre for education and outreach, CERN Science Gateway. From Sunday, 8 October onwards, CERN Science Gateway welcomed its first visitors, who explored the exhibitions and state-of-the-art lab facilities, enjoyed science shows and the sunshine on the piazza and took a break in the Big Bang Café.

"It's nice to see concepts we're familiar with being applied to particle physics, a field we don't know," said two computer science students from Canada, who visited Science Gateway as part of their tour of Switzerland.

"I really like all the games I can try out!" said a seven-year-old from Switzerland, visiting with his family. His father added, "The exhibitions are really well-made and definitely worth visiting."

"I don't really know anything about physics – I'm a pre-law student," said a student from Canada, visiting Science Gateway with her mother. "But we'd heard about CERN and wanted to check it out while we were in Geneva. It's really interesting to learn about it and I like how interactive it is."



Visitors on Sunday, 8 October explore the "Quantum World" exhibition. Various interactive games demonstrate the bizarre behaviours of particles at the quantum level. (Image: CERN)



Visitors in the "Discover CERN: Collide" exhibition explore a tactile mock-up of one of the LHC detectors. (Image: CERN)



Dark Matter Day 2023, with Michel Mayor

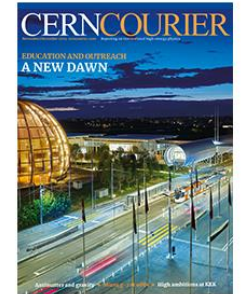
<https://home.cern/news/news/cern/cern-science-gateway-highlights-first-opening-weeks>

# CERN Courier special issue on communications and outreach

## MAGAZINE

Welcome to the latest issue of CERN Courier

CERN Science Gateway – a vision articulated by CERN Director-General Fabiola Gianotti in January 2017, entirely funded through external donations, and now open to the public just three years after Geneva authorities gave the green light for construction – offers up to half a million people per year a chance to be infused with physics. This special issue goes behind the scenes of Science Gateway’s content and explores broader aspects of education, communication and outreach in particle physics – including the vital role of physicists.



Nov/Dec 2023

## SCIENCE GATEWAY



EDUCATION AND OUTREACH | OPINION

**Empowering children to aspire to science**



EDUCATION AND OUTREACH | FEATURE

**Interactive exhibits: theory and practice**



EDUCATION AND OUTREACH | FEATURE

**Hands on, minds on, goggles on!**

# Closing Ceremony

HOME / EVENT / CLOSING CEREMONY



The closing ceremony of the International Year of Basic Sciences for Sustainable Development will be held at the new Science Gateway building at CERN, Geneva, Switzerland, and online.

To facilitate the organization, for in person participation, please register [through the Indico page of the event](#).

Do not register if you plan to follow online.

8:30 – Welcoming of participants

9:00 – Introduction – Master of ceremony: Anna Cook, CERN

## DATE

15 Dec 2023

## TIME

09:00 - 18:00

## LOCAL TIME

Timezone: Europe/Zurich

Date: 15 Dec 2023

Time: 09:00 - 18:00

## CATEGORY

Conference

## SHARE THIS EVENT

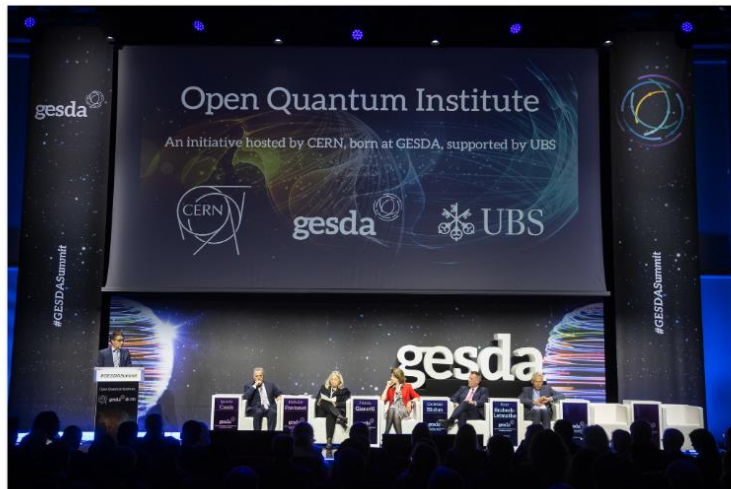


# Open Quantum Institute (OQI) – 3-year pilot phase @CERN

## Bringing quantum computing to society

A new, three-year CERN-based programme called the Open Quantum Institute seeks to make quantum computing resources and technical expertise widely available

16 OCTOBER, 2023 | By Antonella Del Rosso



Announcement of the launch of the Open Quantum Institute on 13 October at the GESDA summit. (Image: GESDA/von Loebell)

A new, three-year CERN-based programme will make quantum computing resources and technical expertise available to projects designed to support the UN's Sustainable Development Goals (SDGs).

The new programme is called the [Open Quantum Institute \(OQI\)](#). Hosted by CERN, the OQI has been designed by the Geneva Science and Diplomacy Anticipator ([GESDA](#)) in collaboration with some 130 experts and will be funded by UBS as lead impact partner. The announcement of the three-year pilot phase was made on 13 October during the [2023 GESDA summit](#) and the programme will be fully embedded into CERN's wider [Quantum Technology Initiative \(QTI\)](#) as of 1 March 2024.

The OQI will be, de facto, the societal arm of the QTI, which was established at CERN in 2018 and is managed by the IT department. Today, the QTI involves several researchers from the CERN departments and experiments that are working on four main domains and applications: quantum computing and algorithms, quantum simulation and information processing, quantum sensing, metrology and materials, and quantum communication and networks.

Lead by IT on the CERN side

Operational handover from GESDA to CERN

Communications for launch in **March 2024**

- New website
- Event in SGW - TBC
- Other comms - TBD

# 2025 – Intl. Year of Quantum Science and Technology

## ABOUT

### Let's work together towards recognizing 2025 as the International Year of Quantum Science and Technology

The **International Year of Quantum Science and Technology** is a global initiative that aims to strengthen national capacities in the basic sciences and science education. This initiative will highlight the contribution of quantum science to our increased knowledge and understanding of the physical universe, as well as the critical role of quantum science and technology in developing sustainable solutions in energy, education, communications, and human health.



#### HEALTH & WELL-BEING

Quantum photonics is advancing medical imaging and diagnosis. Quantum chemistry is supporting the development of new vaccines and drugs.



#### REDUCED INEQUALITIES

Open science and gender equity in education and research will ensure that quantum solutions are accessible to all.



#### INDUSTRY & INFRASTRUCTURE

Quantum science is essential for developing new materials that drive technological innovation.



#### ECONOMIC GROWTH

Quantum science and technologies are integral to many industries; future economic and financial infrastructures will be secured by quantum information.



#### CLIMATE ACTION

Quantum physics will inform next-generation sensors for environmental monitoring; quantum computers will improve the accuracy of long-term climate models.

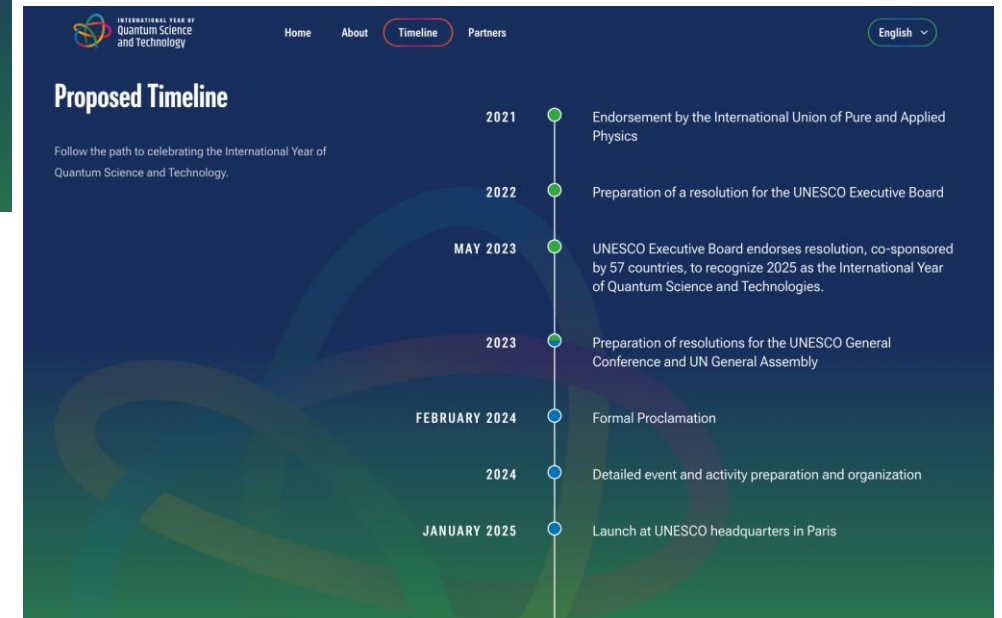


#### CLEAN ENERGY

Quantum engineering is leading to more energy efficient and affordable solar cells and low emission LED light sources.

## CERN ideas:

- 3rd edition of Sparks! – Future Quantum, in early 2025
- Embed OQI in the Intl. Year
- *More? TBD in 2024*



# International Relations (IR) as of Jan 2023

