

An aerial photograph of the CERN facility in Geneva, Switzerland. The image shows a large industrial and scientific complex with various buildings, parking lots, and a prominent dome-shaped structure. In the foreground, a long, white, curved structure, likely a tunnel entrance, stretches across the frame. The background features a range of mountains under a clear sky. The text "Report from CERN Council" is overlaid in a large, blue, sans-serif font on the left side of the image.

Report from CERN Council

Klaus Desch (University of Bonn)
KET Jahrestagung, Bad Honnef 18/11/2022

CERN's governance

<https://home.cern/about/who-we-are/our-governance>

The CERN Council is the highest authority of the Organization and has responsibility for all-important decisions. It controls CERN's activities in scientific, technical and administrative matters. It approves programmes of activity, adopts the budgets and reviews expenditure.

President of Council:



Eliezer Rabinovici (IL)
2022-

Vice presidents:



Costas Foudas (GR)
2022-

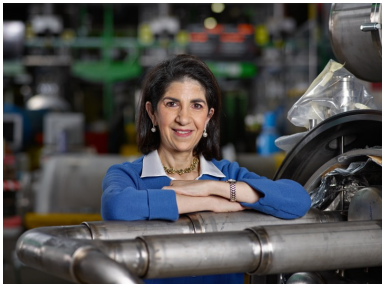


Eric Laenen (NL)
2022-

The Director-General, appointed by the Council, manages the CERN Laboratory.

The Director-General is assisted by a directorate and runs the Laboratory through a structure of departments.

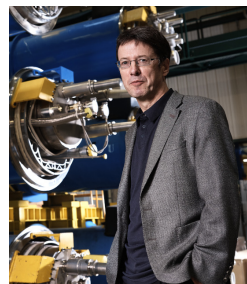
Directorate 2021-2025:



Fabiola Gianotti
Director General



Joachim Mnich
Research and Computing



Mike Lamont
Accelerators and Technology



Raphaël Bello
Finance and Human Resources



Charlotte Warakaulle
International Relations

CERN's member states

<https://home.cern/about/who-we-are/our-governance/member-states>

23 Member states

Austria
Belgium
Bulgaria
Czech Republic
Denmark
Finland
France
Germany
Greece
Hungary
Israel
Italy
Netherlands
Norway
Poland
Portugal

Romania
Serbia
Slovak Republic
Spain
Sweden
Switzerland
United Kingdom

Delegates:

Dr. Volkmar Dietz
K.D.

Finance Committee:

Dr. Friederike Trimmborn-
Witthaut

Associate Member states

the pre-stage to Membership:

Cyprus
Estonia
Slovenia

„Normal“ associate member states
(pay 10% of full fee)

Croatia
India
Latvia
Lithuania
Pakistan
Turkey
Ukraine

[Brazil \(awaiting ratification\)](#)

Observers

w.r.t. LHC:

Japan

[Russian Federation](#)

United States of America

w.r.t. HL-LHC:

United States of America

International organisations:

European Union

[JINR](#)

UNESCO

Russian aggression against Ukraine: consequences

Series of (cumulative) decisions and measures taken in three Council sessions (March 8, March 25, June 16)

In short:

- Council **strongly condemns the military invasion** of Ukraine by the Russian Federation
- Council **strongly supports the people of Ukraine**
- The **Observer status** of the Russian Federation and JINR is **suspended** until further notice;
- CERN will **not engage in new collaborations** with the Russian Federation and its institutions and JINR until further notice;
- Compliance with all applicable **international sanctions**
- Suspension **of the participation in all scientific committees**
- **No joint events** of CERN with institutions in Russia, Belarus, JINR
- Suspension of **granting of new contracts of association** to any individuals affiliated to home institutions in Russia and BLR
- Council **intends to terminate the International Cooperation Agreement** between CERN and the Russian Federation and Belarus effective **at its expiration date** (expiration of ICA: RUS: Dec 24 BLR: Jun 24)
- Council **intends to review** CERN's future participation under the International Cooperation Agreement concluded **between CERN and JINR** (expiration of ICA Jan 25)

Impact on CERN and experiments

- Russian scientists at CERN can contribute to running experiments
- Russian/JINR contributions to phase-2 upgrade of experiments
- Russian/JINR contribution to HL-LHC
- Publications...

And in consequence of war:

- Energy Crisis / energy costs
 - Inflation / materials shortage and cost increase
- Leads to very challenging budgetary situation.
- Short term measures
- Longer term package of measures to cope with sustained increase of energy costs and general inflation.
- Council asked to management to prepare a „package“ of measures
 - Measures should be (mostly) reversible (e.g. reduced accelerator operation, salary, ...)
 - Discussion about temporary increase of member state contributions started (as part of the package)
 - More in Joachim Mnichs talk

Short term measures of CERN management in reaction to energy crisis

- In response to the apparent shortage of (electrical) energy in Europe, and in particular in France, and as a mark of social responsibility CERN decided to
- Start the 2022 Year-End-Technical-Stop (YETS) 2 weeks earlier (November 28 rather than mid December)
- Prepare reduced power configurations for possible EDF load shedding scenarios
- Reduce the operation of the accelerator complex in 2023 by 20% (YETS 2023/24 will be extended from 15 to 19 weeks beam to beam)
- Measures to reduce energy consumption on the CERN campus are being implemented

Major (other) Topics on Council sessions Mar/Jun/Sep 22

Standing topics:

- ~~Covid-19~~ → however, delayed spending of resources, reallocated
 - Report on accelerator complex
 - Report on LHC experiments
 - Report on non-LHC experiments
 - Progress reports on HL-LHC and phase-2 upgrades
 - Reports from Council committees and working groups SPC, FC, AC, Pension Fund, [Governance](#)
 - Procurements
 - Geographical enlargement
 - Sustainability and Environment
 - [FCC feasibility study](#)
 - ECFA Detector R&D Roadmap + Accelerator R&D roadmap (→ F. Sefkow)
 - Site maintenance and renovation
 - Underrepresented Countries
- and more...

FCC feasibility study

European Strategy: Europe, together with its international partners, should investigate the **technical and financial feasibility of a future hadron collider at CERN with a centre-of-mass energy of at least 100 TeV and with an electron-positron Higgs and electroweak factory as a possible first stage.**

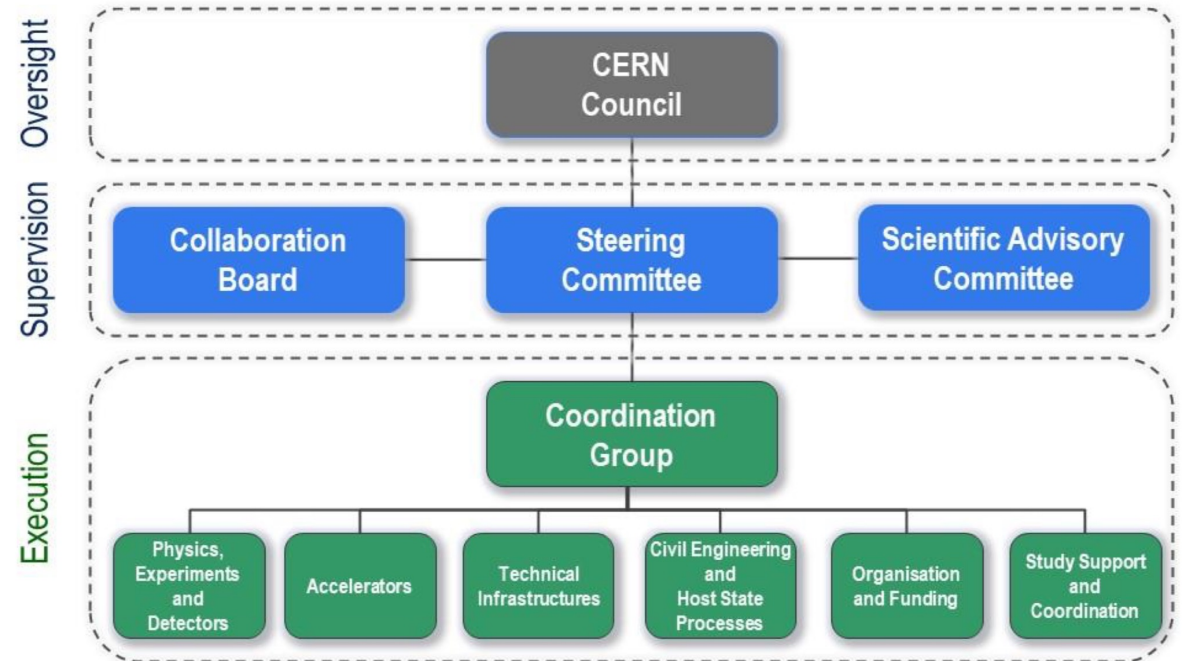
FCC feasibility study launched (budget 100 MCHF, 5 years)

Structure unanimously approved by CERN Council in June 2021

Ownership by CERN Council

Representatives of the worldwide FCC community

Participation of external stakeholders envisaging to make significant financial contributions to possible future project



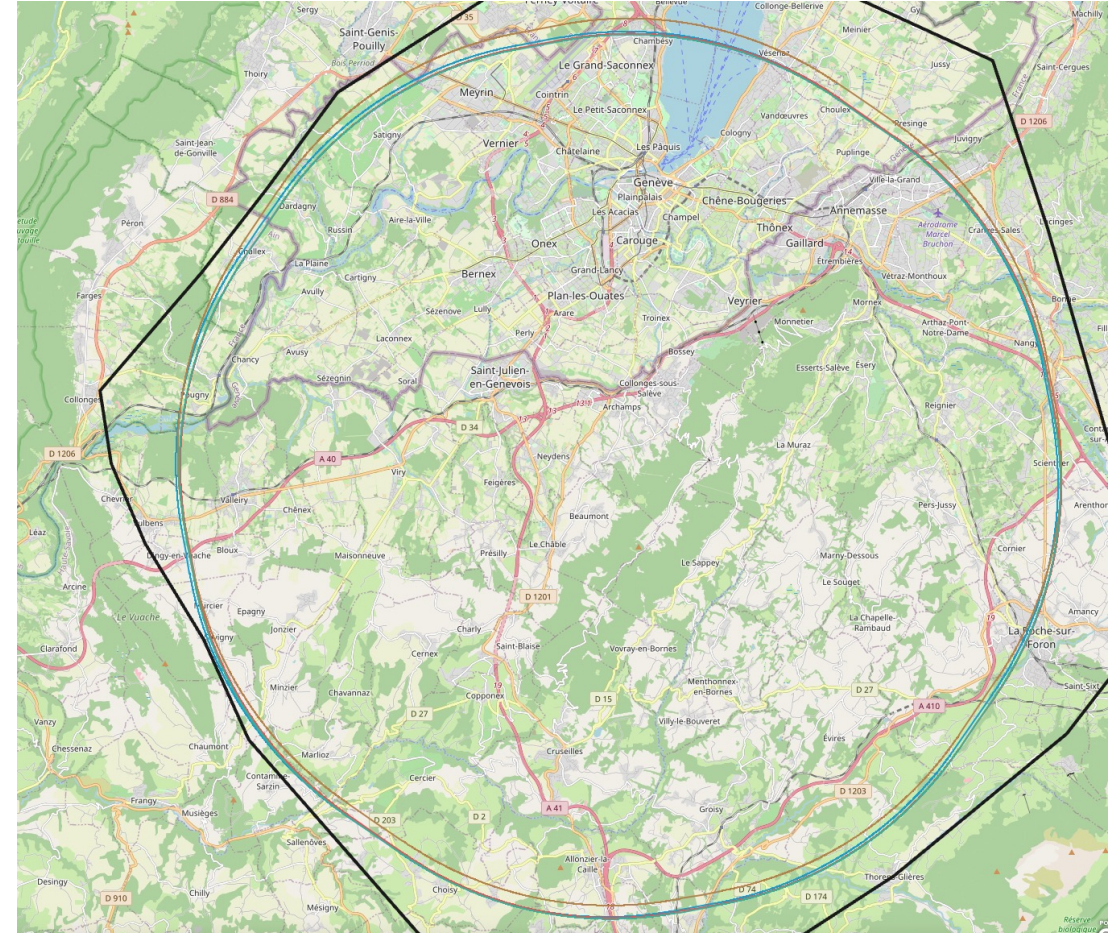
FCC feasibility study

Council carefully watching development of the feasibility study

Approved objectives for midterm review

Deliverables include:

- Infrastructure & placement
- Technical Infrastructure
- Accelerator design FCC-ee and FCC-hh
- Physics, experiments, detectors
- Organisation and **financing**
- Environmental impact and sustainability studies
- Socio-economic impact



Information sources

All Council Documents are kept on cds

<https://cds.cern.ch/search?cc=Council+and+Committee+of+Council&ln=de&jrec=11>

(many are public)

All Council Decisions

<https://council.web.cern.ch/en/decisions>

Summaries from directorate are useful:

<https://indico.cern.ch/category/8140/>