

**CERN Council
and the
Future Circular Collider**

FCC Week

Paris 30th May 2022

Eliezer Rabinovici, President of the CERN Council
Hebrew University, Jerusalem, Israel.





CERN's governance organs

CERN is governed by **two main organs** (Article IV, Convention)

- the **Council**
 - supreme decision-making authority
 - advised by specialised subordinate bodies, the Scientific Policy Committee, the Finance Committee, the Pension Fund Governing Board, the Audit Committee
- the **Director-General**, who is the Chief Executive Officer and legal representative of the Organization



Composition of the Council

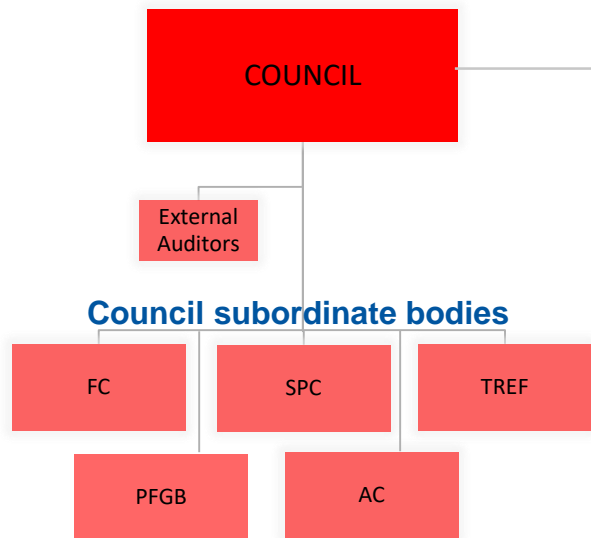
23 Member States : Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Israel, Italy, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Spain, Sweden, Switzerland, United Kingdom

- **3 Associate Members in the pre-stage to Membership:** Cyprus, Slovenia, Estonia
- **7 Associate Member States:** Croatia, India, Latvia, Lithuania, Pakistan, Turkey, Ukraine
- **4 Observers:** Japan, USA, EU, UNESCO (Observer status of Russian Federation and JINR suspended in March 2022)

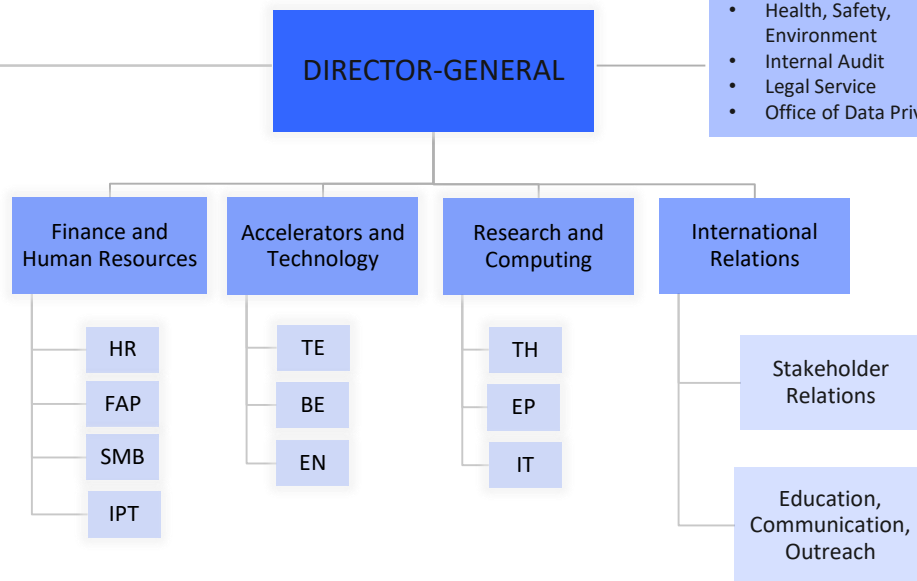


Organigram

Supreme Decision-Making Authority



Management structure



- DG services**
- Council Support
 - Health, Safety, Environment
 - Internal Audit
 - Legal Service
 - Office of Data Privacy

Genesis of the FCC Feasibility Study

European Strategy for Particle Physics(ESGPP)

- First adopted by the Council in 2006 – Non Brainer - bottom up Orsay-Zeuthen- Lisbon
- Adopted in 2013 Bottom Up Krakow- Erice- CERN
- HL-LHC , Future vision (fcc ilc clic and others)

- Updated 2020 –BOTTOM-UP – POINT-LINE-CIRCLE
- Granada-Bad Honnef -CERN(Budapest) HL LHC the rest Complex

- The update of the ESGPP by the Council in June 2020 called for:
“a 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. Such a feasibility study of the colliders and related infrastructure should be established as a global endeavour and be completed on the timescale of the next Strategy update”



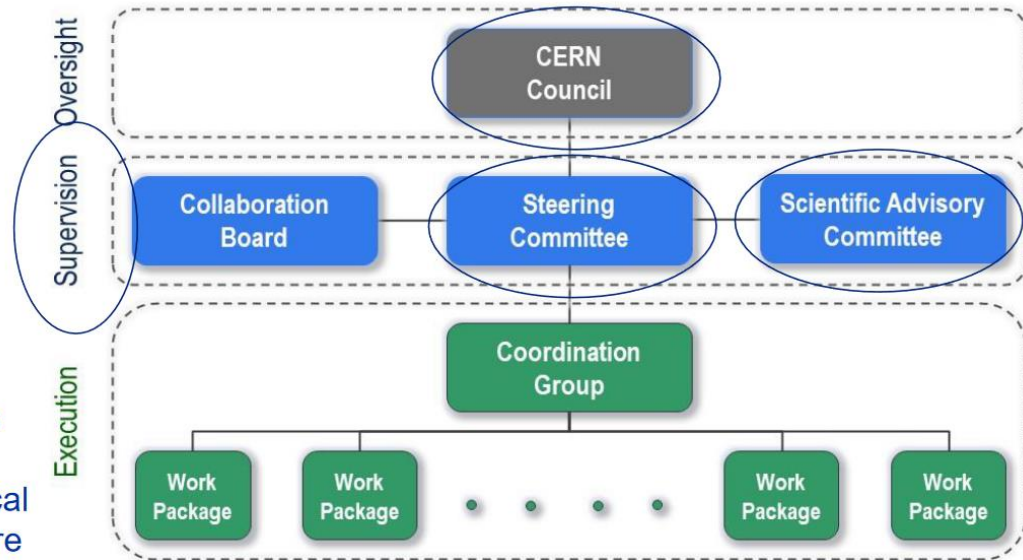
COMMON: MAINTAIN LEADERSHIP VIA A VISION

- WHAT VISION? CONSIDERATIONS AND CONCERNS
 - Scientific (Higgs and?)
 - Technological (HL and High Field Magnets)
 - Construction: Geology , Environment
 - Financial
 - Politics
- CERN IS THE LEADER. THE FUTURE REQUIRES SCIENTIFIC AND TECHNOLOGICAL VISION. EXCELLENCE IS EXTREMELY HARD TO ACHIEVE –SO EASY LOOSE.

Governance structure of the FCC FS

Governance structure proposed by the CERN MANAGEMENT and approved by the Council in June 2021: DG MAY ELABORATE

- **Ownership** of the Feasibility Study by the Council.
- Effective and timely **supervision**.
- Integration of scientific and technical **advice**.
- **Participation of stakeholders** that can potentially make significant financial and technical contributions to a possible future project.



THANK YOU FOR YOUR ATTENTION

