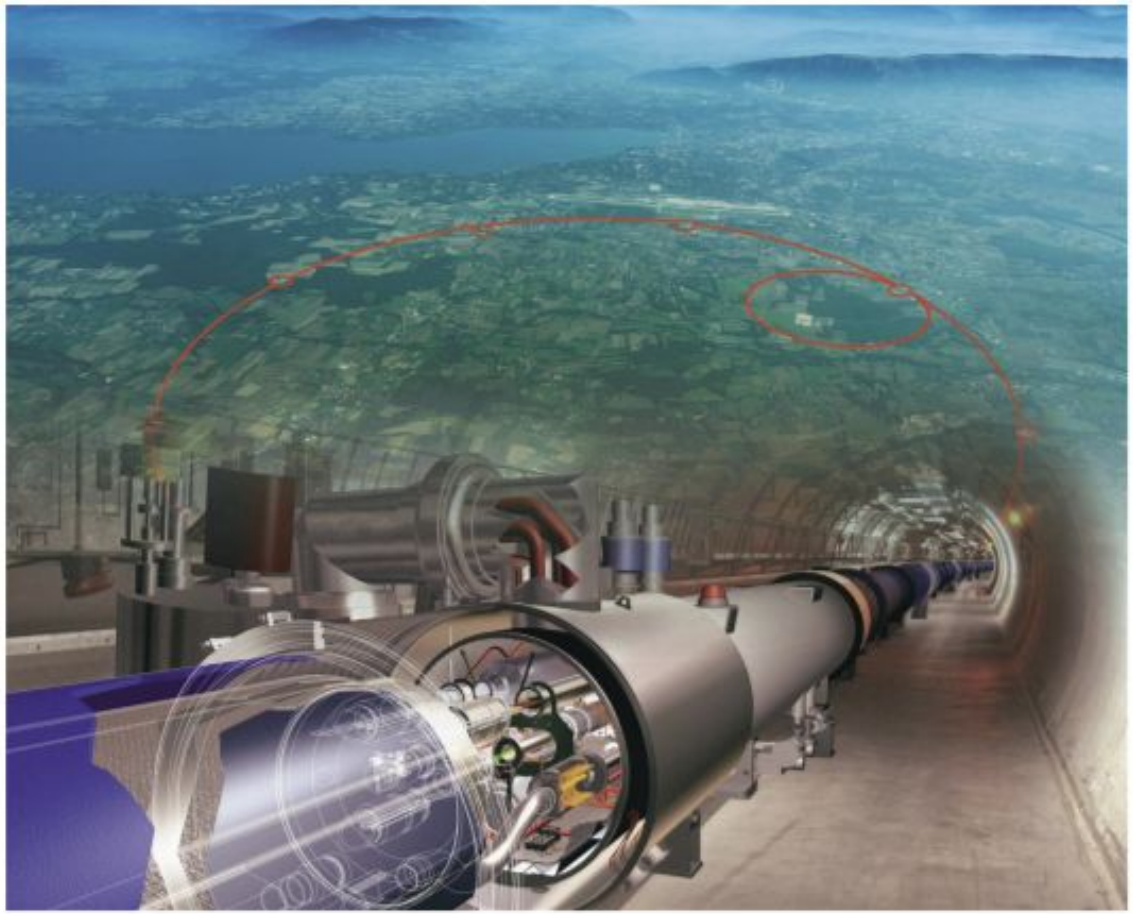
ECFA

European Committee for Future Accelerators



ECFA: A. Ferrari, R. Pasechnik

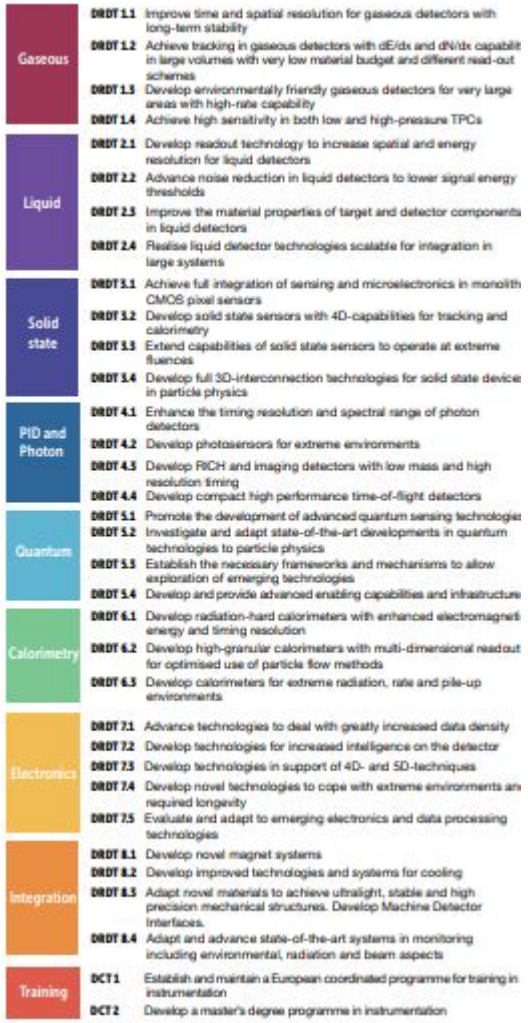
RECFA: D: Milstead. CERN Council: K. Jon-And, R. Brenner

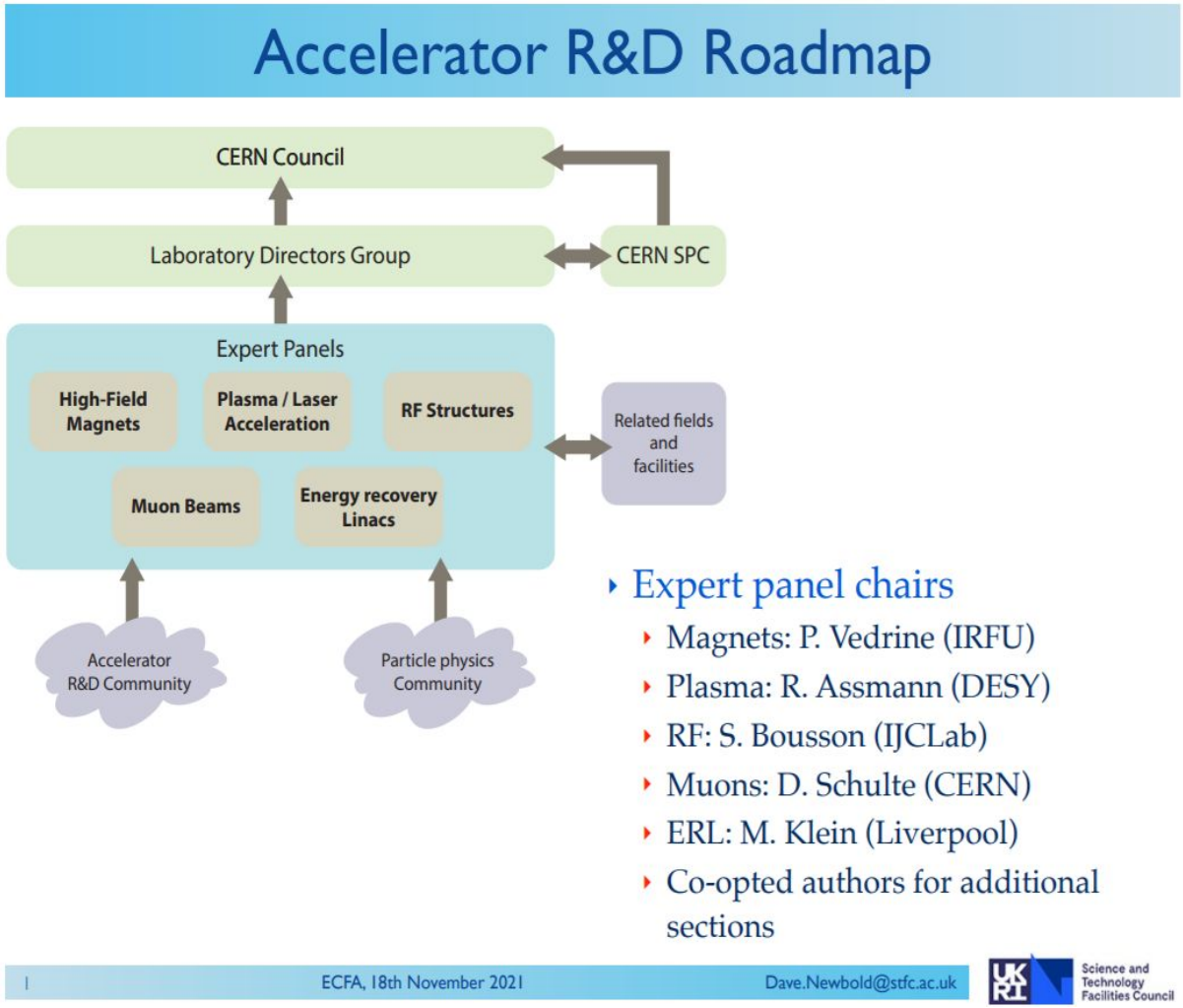
European Committee for Future Accelerators

- Plenary ECFA, Restricted ECFA
- Primary aim is the planning of the high-energy facilities including accelerators, large-scale experiments, technologies and equipment necessary for particle physics research by the community of participating European countries
- Activities
  - Study groups set up by ECFA or with other organisations to address special challenges
  - Collecting/sharing/implementing/monitoring of views/trends across Europe
  - Symposia/seminars/conferences sponsored/organized by ECFA
  - (RECFA) visits to individual countries
  - Regular meetings

Implementation of the ECFA Detector R&D Roadmap

- Establish detector R&D collaborations for focus areas
- Collaborations anchored at CERN
- Community driven
- Aim for regular funding, e.g. rolling grants





- Presented to CERN and Lab Directors' Group
- Final approval in June
- Coordination structure to be appointed

Working groups

- Recognition in large collaborations
  - Community-wide survey
  - Follow-up with APPEC-ECFA-nuPECC (cross-disciplinary issue)
  - Invite reps from large collaborations for discussion

- Early career researchers
  - Community-wide survey
    - Events bringing together senior and early career researchers
    - Bring in electron-ion collider community
    - Focus on diversity in physics

ECFA

https://indico.cern.ch/event/1040535/

- Status of Joint Activities
- Poster session (targeting Young Researchers)
- Discussion with Funding Agency (Thursday)

Topics:
- Present the Science Case, Big Questions
- Detector R&D, Computing;
  Discussion on (additional, common) funding for these activities;
- Governance models for large facilities

Joint Activities: http://www.nupecc.org/jenaa/?display=eois

1. Dark Matter - iDMEu (https://indico.cern.ch/event/869195/overview)
2. Gravitational Waves for fundamental physics (https://agenda.infn.it/event/22947/overview)
3. Machine-Learning Optimized Design of Experiments - MODE (https://userswww.pd.infn.it/~dc
4. Nuclear Physics at the LHC (https://indico.ph.tum.de/event/4492/)
5. Storage Rings for the Search of Charged-Particle Electric Dipole Moments (EDM) (https://indic
6. Synergies between the Electron-Ion Collider and the Large Hadron Collider experiments ( )

Kickoff meeting for EoI 6 (EIC-LHC) has been fixed for 21/22 June at CERN

2022 ECFA e^+e^- Workshop in Hamburg 5 – 7 October 2022

- Workshop Committees (LOC, PC, IAC) have been defined

  - Regular meetings with LOC
    * Very competent LOC team
    * Great support from DESY (administrative and financial) e.g. in-kind support for ECRs (DESY hostel), support for Ukrainian physicists
    * Web page under dev.
    * Poster under dev.

- Important meeting between PC and IAC on Monday 4th April

  → first programme discussion; further discussion on Public Event

RECFA visits

- Italy 4/5 March
- Germany: 1/2 April
- ~~Ukraine 13-14 May~~
- Denmark 12/13 May

- Hungary 23/24 September
- Israel 3/4 November

Plenary ECFA

- 21/22 July (CERN)
- 17/18 Nov (CERN)

Measures taken by CERN council concerning the invasion of Ukraine by the Russian Federation

In an extra Council meeting on 8 March 2022 a resolution was adopted,
https://cds.cern.ch/record/2803319/files/c-e-3626_Resolution_re_Russia%20.pdf,
where Council:

- **STRONGLY CONDEMNS**
  The military invasion of Ukraine by the Russian Federation, in violation of Article 2 (4) of the Charter of the United Nations;
- **STRONGLY SUPPORTS**
  The people of Ukraine as well as the independence, sovereignty and territorial integrity of Ukraine;
- **DEPLORES**
  The resulting loss of life and humanitarian impact;
  The involvement of Belarus in this unlawful use of force against Ukraine;
- **DECIDES THAT**
  CERN will promote initiatives to support Ukrainian collaborators and Ukrainian scientific activity in the field of high-energy physics;
- The Observer status of the Russian Federation is suspended until further notice;
- CERN will not engage in new collaborations with the Russian Federation and its institutions until further notice;
- The situation will continue to be monitored carefully and the Council is ready to take any further measures as appropriate.

In the Council meeting on 25 March 2022 two resolutions were adopted.

One resolution concerning The Russian Federation and Belarus, https://council.web.cern.ch/sites/default/files/c-e-3637Corr_Council%20resolution_%20RU_BY.pdf, where Council:

- **STRONGLY CONDEMNS**
  The statements by those Russian institutes that have expressed support for the illegal invasion of Ukraine;
- **COMMENDS**
  The measures taken by the Management both before and following the Extraordinary Session of the Council on 8 March 2022, including compliance with all applicable international sanctions and the effective suspension of all exchanges of funds, materials and personnel in both directions with Russia and Belarus which were appropriate and timely;
- **DECIDES THAT**
  1): Such measures will be further enhanced, until further notice, by
  - suspension of the participation of CERN scientists in all scientific committees of institutions located in the Russian Federation and the Republic of Belarus, and vice versa,
  - suspension or, that failing, cancellation of all events jointly arranged between CERN and institutions located in the Russian Federation and the Republic of Belarus,
  - suspension of granting of contracts of association as associated members of the CERN personnel to any new individuals affiliated to home institutions in Russia and Belarus;

  2): In the perspective of making a decision at its Session in June 2022 on the suspension of the International Cooperation Agreements and the related Protocols and Addenda as well as any other agreements, including *mutatis mutandis* experiment Memoranda of Understanding, allowing for the participation of the Russian Federation and the Republic of Belarus and their national institutes in the CERN scientific programme, the Council will consider additional information and an action plan, and will further analyse the full consequences of such a decision.

One resolution concerning the JINR,
https://council.web.cern.ch/sites/default/files/c-e-3638Corr_Council%20Resolution_JINR.pdf, where Council:

COMMENDS
The measures taken by the Management both before and following the Extraordinary Session of the Council on 8 March 2022, including compliance with all applicable international sanctions and the effective suspension of all exchanges of funds, materials and personnel in both directions with JINR, which were appropriate and timely;
DECIDES THAT
1) Such measures will be further enhanced, until further notice, by
- suspension of the participation of CERN scientists in all JINR scientific committees, and *vice versa*,
- suspension or, that failing, cancellation of all events jointly arranged between CERN and JINR,

2) CERN will not engage in new collaborations with JINR until further notice;
3) Until further notice, the Observer status of JINR at the Council is suspended and CERN will not exercise the rights resulting from its Observer status at JINR;
4) In the perspective of making a decision at its Session in June 2022 on the suspension of the International Cooperation Agreements and the related Protocols and Addenda as well as any other agreements, including *mutatis mutandis* experiment Memoranda of Understanding, allowing for the participation of JINR in the CERN scientific programme, the Council will consider additional information and an action plan, and will further analyse the full consequences of such a decision.

The issues of International Cooperation Agreements with The Russian Federation, Belarus and JINR will be discussed in a Council meeting on 16 June 2022

Summary

- RECFA country visits are resuming as the covid era ends
- Detector and accelerator roadmaps are being implemented.
- Recognition and early career initiatives
- CERN has taken steps wrt Ukraine war