Overview

- History and purpose
- Mission and activities
- Organization
- Recent activities of ECFA
History and purpose of ECFA

ECFA (European Committee for Future Accelerators): founded in Jan. 1963

Initiative of Victor Weisskopf, Director General of CERN, and Cecil Frank Powell, Chair of Scientific Policy Committee

ECFA is advisory to CERN Management, CERN Council and its Committees, and to other organizations, national or international. Guidelines on the work of ECFA have been worked out in 1976, and amended in 1981, 1997 and 2008.

Note:
ICFA, the International Committee for Future Accelerators, was founded in 1976. It is not exactly the equivalent to ECFA on international scale.
Mission of ECFA

Long-range planning of high energy facilities
- accelerators, large-scale facilities
- matched to resources and size of community
- encouragement of international collaboration

Equilibrium
- between roles of national and international laboratories and institutes
- close relation between research and education

Adequate conditions
- including equitable sharing of facilities between physicists irrespective of nationality or origin
Chairperson and secretary

Plenary ECFA (P-ECFA)

Restricted ECFA (R-ECFA)

Permanent or ad-hoc working groups
Activities of ECFA

Regular meetings of P-ECFA and R-ECFA

Ad-hoc symposia and conferences sponsored or organized by ECFA

Study groups, set up by ECFA, or jointly with other organizations

Regular demographic studies of the high-energy physics community and resources in the ECFA countries

Monitoring of the ongoing implementation of the European Strategy for Particle Physics in the CERN member states (last update 2013, next one about 2018) and presentation of corresponding status reports to the European Strategy Session of Council
Chairperson

Duration of mandate: 3 years (non-renewable)
Elected by R-ECFA, appointed by P-ECFA
Current chairperson: Manfred Krammer (Austria)

Call for nominations of new chairperson 2015-2017 -> suggestions to R-ECFA representatives, election in Nov. 2014

Secretary

Nominated by Chairperson, endorsed by P-ECFA
Current secretary: Calin Alexa (Romania)
Activities

- decides on all ECFA activities
- appoints Chairperson and Secretary, and members (2 x 3 years max., appointed as individuals though should be able to represent views of their communities)
- approves final reports of working groups and terminates activities
- decides on admission of new countries and observers
- Makes recommendations

Meetings

- normally two per year
- meetings are public unless otherwise decided
Membership of P-ECFA

Physicists from member countries of CERN, including CERN itself

On request: physicists from other countries

Ex-officio members and observers:
- Representatives of national or international laboratories or organizations of importance to ECFA’s activities
- Representatives of countries that wish to follow work of ECFA or contribute views
- Former ECFA Chairpersons
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<td><strong>Total</strong></td>
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Observers and former ECFA chairpersons

President of Council: Agnieszka Zalewska
SPC Chairperson: Tatsuya Nakada
Finance Committee Chairperson: Charlotte Jamieson
NuPECC Chairperson: Angela Bracco
EPS-HEPP Board Chairperson: Thomas Lohse
ApPEC Chairperson: Stavros Katsanevas

Russian Federation / JINR: Victor Matveev
USA: Ritchie Patterson
EPS: David Wark
ESF (European Science Foundation): Hans Karow

Former ECFA Chairpersons: 12

Total: 22
Activities

R-ECFA assists and advises the Chairman and Secretary in the running of ECFA

R-ECFA acts as the communication channel to each participating country, its physics community and national institutes and authorities - regular country visits, with feedback and recommendations

Meetings

2 per year with P-ECFA, plus 3 to 4 country visits per year

Membership

One member per country, appointed for maximum of two 3-year periods
One-day open session

Reports on scientific activities
Research planning, structure and funding
Human resources, education and outreach
Students’ point of view
-> initial feedback to community

Half-day closed session

Conclusions from visit
Report from CERN, DESY, Frascati, FAIR, etc.
Reports from working groups
Planning future HEP activities

Follow-up

Letter with assessment and recommendations to official bodies
Recent meetings

R-ECFA country visits

Denmark: May 2013
- recommendation on restructuring funding systems

Hungary: October 2013

Israel: April 2014
- First visit, CERN member state since Jan. 2014

Germany: May 2014
- addition of LHC phase II upgrade to national roadmap

P-ECFA + R-ECFA

CERN, November 2013
DESY, July 2014
Selection of recent P-ECFA topics

Reports from CERN, DESY, Frascati, Belle II and Super-KEK, Fermilab, SESAME, IPPOG etc.

Prolongation of ECFA Study for Linear Collider Physics and Detectors till 2016

ECFA review panel for detector R&D (Chair: Yannis Karyotakis)
- receive R&D proposals and make recommendations
- evaluate and monitor progress of R&D programs on request
- help to create coherent global R&D effort
- overview the European effort for detector R&D
- hosted by DESY, see http://ecfa-dp.desy.de

Midterm reports from countries
- Bulgaria, Norway, Switzerland, Belgium, Finland
ICFA discussions
Roadmaps for particle physics in Europe, Asia, Americas
Future large accelerator facilities: HL-LHC, ILC, CLIC, FCC, CEPC/CppC

ICFA statement on global planning for particle physics
ICFA endorses the particle physics strategic plans produced in Europe, Asia and the United States and the globally aligned priorities contained therein. Here, ICFA reaffirms its support of the ILC, which is in a mature state of technical development and offers unprecedented opportunities for precision studies of the newly discovered Higgs boson.
In addition, ICFA continues to encourage international studies of circular colliders, with an ultimate goal of proton-proton collisions at energies much higher than those of the LHC.

New ICFA chairperson from Europe
Joachim Mnich
Organization of joint ECFA - EPS-HEPP session at EPS2015 in Vienna
25 July 2015

- “Connecting scales: bridging the infinities”

Short document on how to evaluate achievements of physicists from our field

- Small editorial board set up
ECFA workshops


-> CERN Council approved inclusion of HL-LHC construction in medium-term plan!

FCC study kick-off meeting, Geneva, Feb. 2014
## Proposal for FCC Study Time Line

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- **4 large FCC Workshops distributed over participating regions**
- **Report**
P-ECFA approved Manfred Krammer as the representative of ECFA in the FCC Steering Committee.
Instrumentation School in Novi Sad, Serbia
8-13 Sep. 2014

- initiated during RECFA country visit in Oct. 2012

- jointly organized by ECFA, ICFA Instrumentation Panel and CERN
More information, documents:

https://ecfa.web.cern.ch/

Thank you!