



Report on ECFA activities

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ECFA in one slide

- ▶ **ECFA = European Committee for Future Accelerators**
- ▶ <https://ecfa.web.cern.ch/>
- ▶ **Plenary ECFA:**
 - ▶ Decides on all ECFA activities,
 - ▶ Appoints the Chair and Secretary,
 - ▶ Approves final reports of working groups and terminates their activities,
 - ▶ Decides on admission of new observers,
 - ▶ Makes recommendations to outside organisations,
 - ▶ Number of members commensurate with the country size (Sweden: 3),
 - ▶ Two (public) meetings and newsletters per year.
- ▶ **Restricted ECFA:**
 - ▶ Assists and advises the Chair and the Secretary in the running of ECFA,
 - ▶ Acts as the communication channel to each participating country, its physics community and national institutes and authorities,
 - ▶ Only one member per country (Sweden: A. Ferrari).

ECFA panels

- ▶ **ECFA Detector Panel:** <https://ecfa-dp.desy.de/>

- ▶ Monitors the implementation of the ECFA detector roadmap and assists with the reviews of the scientific progress of the 8 DRD collaborations.
- ▶ DRDs are expected to reflect the updated ESPP in their R&D programs
→ prioritise developments aiming at FCC-ee experiments.

- ▶ **ECFA Training Panel:**

- ▶ Main focus on strengthening the European instrumentation training to meet the high expectations of students and ECRs:
 - ▶ Enhance synergies between existing training programs and stimulate the creation of complementary ones where relevant;
 - ▶ New: **WISPP, 1-12 February 2027 at CERN** (application deadline: 15 October if no need for a visa).
- ▶ Promote the creation of a European master's degree program in HEP instrumentation.

- ▶ **ECFA Early-Career Researchers (ECR) Panel:**

- ▶ Discusses all aspects that contribute in a broad sense to the future of the research field of particle physics.
- ▶ Three Swedish members: Alexander Burgman & Axel Gallén (continuing), Magdalena Vande Voorde (outgoing, to be replaced).

ECFA composition

A new ECFA chair was recently elected among the following three nominated candidates:

- ▶ Daniela Bortoletto (Oxford, UK)
- ▶ Arnaud Ferrari (Uppsala, SE)
- ▶ **Roberto Tenchini (Pisa, IT)**

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The Swedish (R)ECFA members are:

- ▶ Arnaud Ferrari, appointed to RECFA in July 2023.
- ▶ Rebeca Gonzalez Suarez, appointed to ECFA in January 2024.
- ▶ Bernhard Meirose, appointed to ECFA in January 2024.

We are all eligible (and willing) to serve a second three-year term → hereby seeking endorsement from the Swedish community.

RECFA country visits

These are aimed at gathering reports from the funding bodies and from the high-energy physics community about their scientific activities... and their concerns.

In turn, this gives an opportunity to highlight to the funding agencies and science ministry what actions should be taken to support the community.

► **Country visits in 2026:**

- Spain: March 6
- Romania: June 5
- Netherlands: July 8 (followed by the plenary ECFA meeting on July 9-10)
- Austria: September 11
- Slovakia: October 23

► **Upcoming visits in 2027:**

- Slovenia: March 5
- Latvia: May 21 (very first visit)
- Denmark: September 10
- Cyprus: October 22

ECFA fund and awards

- ▶ As of 2026, ECFA is collecting a small annual contribution from its member countries (1000 CHF each) → Sweden (UU this year) is one of 12 countries who already sent their contribution.
- ▶ The ECFA fund exclusively supports ECRs:
 - ▶ ECFA ECR awards to recognise outstanding contributions to future accelerator-based experimental projects, in three sub-fields – winners will be announced soon:
 1. Physics prospect studies and analysis tools;
 2. Detector/instrumentation development;
 3. Accelerator physics at large.
 - ▶ ECR workshop/conference support related to the ECFA mandate, most likely towards the registration fee (no travel support). Five conferences will be supported in 2027.
- ▶ Sub-committees are now in place among RECFA members.

Conclusion

- ▶ ECFA plays an important role in shaping the future of accelerator-based high-energy physics research.
- ▶ Activities are now geared towards implementing the updated ESPP, in particular for the DRDs.
- ▶ New ECFA fund towards ECR awards and conference support.
- ▶ New ECFA chair for 2027-2029: Roberto Tenchini.
- ▶ We are seeking the endorsement of Sweden's three current ECFA members for a second mandate and we are looking for a new member in the ECR Panel to replace Magda.