

ECFA

European Committee for Future Accelerators

ECFA-ECR panel meeting
26th January 2023

Overview of the ECFA ECR report

Introduction

- The ECR panel decided that it would be useful to summarise the first two years in a report
 - This report is now on arXiv, as circulated before the meeting, [arXiv:2212.11238](https://arxiv.org/abs/2212.11238)
- This presentation is a very brief overview of the report
 - For those who have not read it, hopefully this helps to understand what was done
 - For those who have read it, it's an opportunity to ask why things were done a given way
- Remember, this is an overview of what **was done**, not what **should be done**
 - We had reasons to make the choices we did, but they may no longer be relevant
 - It is up to the new panel to decide whether to continue like this, or to make changes

Outline

- **Executive Summary** [skipping this here]
- **Panel Structure**
 - ECR Panel Membership
 - ECR Observers to Plenary and Restricted ECFA (PECFA and RECFA)
 - ECR Organisation Committee
- **Panel Working Groups**
 - Detector R&D
 - Networking in Instrumentation
 - Career Prospects and Diversity in Physics Programme Joint Survey
 - Electron-Ion Colliders
- **Summary of Community Interactions**
- **Outlook** [skipping this here]

Panel Structure: ECR Panel Membership

- Each of the 28 ECFA member entities is allowed to have three representatives by default
 - This means each of the 27 countries, + CERN (which is an independent member)
 - Countries with national laboratories (defined by the “LDG”) get a fourth representative
 - In this case, one of the four representatives must be from that laboratory
- In December 2022, there were 75 members on the panel
 - The transition has not be completely smooth, thus we now have many fewer members
 - We expect more members to join following the next endorsement (PECFA in July)
- Nominations are for two years, renewable once
 - ECFA understands that ECRs may not complete a two-year mandate for various reasons
 - Representatives can therefore step down early, and PECFA can endorse replacements
 - Continuing panel members: if you wanted a one-year extension, step down after one year
- Panel members are expected to attend the three/four panel meetings per year
 - We understand it is not always possible, but please make an effort to do so

Panel Structure: Observers to PECFA/RECFA

- The ECR panel is an observer to both PECFA and RECFA
 - PECFA = Plenary ECFA, the main decision-making body, where members are endorsed
 - RECFA = Restricted ECFA, an advisory board for the ECFA chair + secretary
- The ECR panel has 5 PECFA observers, of which 1 is a RECFA observer
 - 3 of the 5 observers have extended their mandate (all but Gianluca and Pawel)
 - Assuming so, that means two PECFA observer positions should be filled
- In the past, we defined a selection committee to decide which candidates were appointed
 - Asked to balance country, gender, career stage, and physics research background
- The new panel should decide whether or not to follow this procedure for the replacement

Panel Structure: Organisation Committee

- The OC is tasked with coordinating the activities of the panel
 - Organising ECR panel meetings (such as this one), with input from the panel
 - Chairing and minute-taking for the meetings
 - Handling communication with the outside world
 - Arrange for public talk allocation aka “speakers committee” if needed
 - Coordinate the writing of panel reports
- The composition of the OC is mostly up to self-nominations
 - A vote indicated there should be between 5 and 9 members, but with a small majority - this should definitely be adapted to the views of the new panel and new OC
 - PECFA/RECFA observers can be on the OC if they want, but no requirement
 - In case of significant numbers of self-nominations, a selection committee could be formed

Working Groups: Overview

- The full panel meets 3 (or 4) times per year, to discuss general topics and summarise progress
 - This is not enough to make concrete progress on specific topics
- Targeted working groups are where the day-to-day activities take place
 - No formal barrier to creating working groups, just need to identify interested people
 - Similarly, working groups can cease to exist when no longer of sufficient interest
- In September 2022, decision that each working group should have a representative
 - Mostly to support communication between the working group and panel/OC
 - While this was agreed at the time, the exact implementation has not been defined

Working Groups: Summary

- **Detector R&D:** The first working group, formed in response to ECFA Detector R&D roadmap
 - Focused on the ECR experience on training in instrumentation
 - Organised a town hall event + survey, 473 replies
 - Published an arXiv report, [arXiv:2107.05739](https://arxiv.org/abs/2107.05739)
- **Networking in instrumentation:** follow-up to the feedback received in the above process
 - Concrete example of the panel working to react to ECR concerns/feedback
 - Organised “Careers in Instrumentation” event: [link](#)
- **Career prospects and diversity in physics programme joint survey:**
 - Following success of Detector R&D survey, multiple efforts to follow-up on other topics
 - Eventually, topics merged to a single survey, distributed in September 2022
 - Analysis of the 684 responses (+26 RECFA replies) ongoing, and a report is planned
- **Electron-ion collider (EIC):** the next major new facility to be built in the USA
 - Joined JENAA “Synergies between EIC and LHC” event, active role in subsequent kickoff

Summary of Community Interactions

- The panel exists to represent the ECR community, thus we need to interact with them!
- The Working Groups have released a report and two surveys so far, as well as hosting events
- Beyond this, the panel has also interacted with the community in the following ways:
 - Presented training in instrumentation report at 15th Pisa Meeting on Advanced Detectors
 - Released a statement on the budget allocated for frontier research in Horizon Europe
 - Provided summaries of activities in the [ECFA newsletter](#): for issues #8, #9, and #10
 - Sent ECR panel views on how to react to the war in Ukraine to PECFA+CERN Council
- Anyone interested in following panel interactions can register to the following mailing list:
ecfa-ecr-announcements@cern.ch

Conclusion

- This was a quick overview of the ECFA ECR report
 - More information is provided in the actual report
 - In case anything is unclear, please do not hesitate to ask
- We hope that this document helps to serve as a reference to what has been done so far
 - The new panel must decide which parts to adopt, and which parts to replace
- As an outgoing panel and OC member, I wish you the best for the year(s) ahead!