



APPEC GA meeting 2022  
24th of May 2022, remote

Attendees: Stan Bentvelsen, Giacomo Bruno, Julie Epas, Peter Forgacs, Carlos Peña Garay, Berrie Giebels, Andreas Haungs, Katharina Henjes-Kunst, Pilar Hernandez, Katri Huïtu, Karl Jakobs (ECFA), Sijbrand de Jong, Stavros Katsanevas, Ulrich Katz, Job de Kleuver, Antoine Kouchner, Sylvie Leray, Marek Lewitowicz (NuPECC), Christos Markou, Josef Pradler, Marco Pallavicini, Leszek Roszkowski, Colin Vincent (Astronet), Krijn de Vries, Andrew Williams (ESO), Xin Wu

Andreas Haungs, GA Chair

- Agenda of the GA adopted
- Minutes from the last GA – uploaded a bit late, if you want changes please send an email to Andreas Haungs, Katharina Henjes-Kunst or Julie Epas

### Update by the GA chair

#### Changes of the GA membership – Andreas Haungs

- Observer EPS-HEPP: Ramon Miquel is the representative of the new observer EPS-HEPP
- Belgium (FWO): Krijn de Vries has replaced Catherine DeClercq (since Jan 2022)
- Austria: Now approved, the Austrian Academy of Sciences (Jochen Schieck) is member of APPEC. Josef Pradler is the representative in the GA.
- Ukraine: The National Academy of Sciences of Ukraine has requested membership of APPEC, Fedor Danevich (Institute for Nuclear Research of NASU) is contact person.
- Denmark: First discussions with the Danish astroparticle physics community via Jason Koskinen (Niels Bohr Institute, University of Copenhagen).
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#### JENA Seminar - Andreas Haungs

- 2<sup>nd</sup> JENA Symposium: 3-6 May 2022 in Madrid, Spain <https://indico.cern.ch/event/1040535/>: 164 participants, all talks available on YouTube <https://www.youtube.com/c/CSICEventos>
- Closed session with the funding agencies, with the following topics for discussion:
  - Recognition of our efforts also on funding agency level
  - Evaluate whether appropriate funding schemes can be established to exploit better the synergies and thereby allow for a more effective use of resources.
  - Priority topics/questions for this meeting in 2022 → How we can coordinate synergies in detector R&D? Organization of future computing for our RIs in federated infrastructures? Are there coordinated funding possibilities to support the EoIs?
  - Advise on topics to be particular focused by JENA
  - Do we miss important topics which should be included in future JENA Activities?
- Feedback in presence of APPEC, ECFA, NuPECC chairs (J. Mnich)
  - General comment to the style of the JENAS meeting → Excellent talks. Suggest for the next meeting: more space to young people, competition with other disciplines, Carbon footprint of the field should be addressed

- How we should coordinate the activities in the various fields? → Different communities. Coordination in the various fields, among the fields. Coordination among funding agencies (JENAS is a first step in the right direction). Improve collaboration between local and large international infrastructure (flagship experiments), ESFRI is a way to facilitate this coordination. Mechanism for European calls dedicated / required to address more than one community?
- Coordinated approach for computing → Should FAs require that new RIs have a coordinated approach for the computing?
- Question: what JENAS could provide on top of what is already existing → see no issue if proposals (EoI) that go beyond the boundaries. Encourage to support topics which risks to fall in between the areas. Highlight socio-economic benefits. Technology transfer: present projects involving collaboration with the private sector. International year of fundamental physics and sustainability: Does JENAS want to contribute to them?

Next steps:

- Future actions within JENA Activities:
  - Working groups: Diversity and Recognition → Results presented at JENAS : we have to evaluate if continuation is needed and how we (APPEC) are involved in that. New Working Groups with different topics (e.g. Training & Outreach, Knowledge Transfer, Sustainability, ...)?
  - JENAS in 2.5-3 years → Better preparation of the funding agencies session with clear questions. Taking into account the feedback of JENAS 2022. Maybe shorter?
  - Dedicated Workshop for Computing on European Level ?

#### **APPEC Flagship Research Infrastructures** (dynamic list) – Andreas Haungs

- HE Neutrinos: construction KM3NeT (2020-2026, ESFRI)
- HE Cosmic Rays: construction AugerPrime (2019-2023)
- HE Gamma Rays: construction CTA (2021-, ESFRI)
- GW: construction ET (2026-, ESFRI)
- Neutrino properties: construction LEGEND-1000 (2023-)
- Dark Matter: construction DARWIN (2024-)

#### **APPEC and EU Framework Programs** – Andreas Haungs

- APPEC was created in 2001 as coordination instrument of the European agencies funding Astroparticle Physics
- Boost by EU funding of the ERANET ASPERA, for 6 years (2006- 2012)
- launch of successful community driven EU proposals (ILIAS-I3 and ET-DS)
- Cooperation with ESCAPE, member of advisory board
- Participation in current calls (e.g. INFRA-TECH, APOGEIA, M2TECH)

Next steps:

- For Horizon Europe Work Programme 2023-2024 INFRA-SERV: In 2023, the scientific domains called under this topic are: ... Astronomy and Astroparticle physics • May 2022: for HORIZON-INFRA-2023-SERV-01-02: contacted Andy Williams and Colin Vincent to start process.
- Andreas to the GA : Together with Astronomy, we should have a working group (if ready, send an email to Katharina)

### **APPEC Town Meeting preparation – Sijbrand de Jong**

- Timetable: <https://indico.desy.de/event/25372/timetable/#20220609>
- The first day is a day of round tables: 9 scientific topics, 4 community topics and 1 topic for the underground labs
- A maximum of 8 people at a round table, table hosts, 30 minutes duration
- The second day will be a summary for each topic of the discussions of the round table, with a conclusion towards the strategy update of the Roadmap.

Next steps: define precise questions for the main topics and assign table hosts

### **APPEC Tech Forum – Katharina Henjes-Kunst**

- Registration: <https://indico.utef.cvut.cz/event/20/registrations/6/>
- The presentations will mix scientific talks and companies presentations

Next steps: The speakers and companies invitations are ongoing

### **AOB – Katharina Henjes-Kunst**

- Next GA: 18-19<sup>th</sup> of July in person, in Vienna (Austria)
- The website redesign: to be discussed after the Town Meeting