



News from APPEC

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Partikeldagarna 2026

What is APPEC

AstroParticle Physics
European Consortium
appec.org



... is a consortium of funding agencies, national government institutions, and institutes from 18 European countries, responsible for **coordinating and funding national research efforts in astroparticle physics**.

Gravitational
waves

Matter-antimatter
asymmetry

High-energy
neutrino sources

Multi-messenger
astronomy

Earliest phases
of the Universe

Dark
Matter

Dark
Energy

Proton
decay

Cosmic
ray origin

Neutrino
properties

APPEC Consortium



CAMK Nicolaus Copernicus Astronomical Center of the Polish Academy of Sciences, **Poland**

CEA Commissariat à l'énergie atomique et aux énergies alternatives, **France**

CNRS Centre National de la Recherche Scientifique, **France**

DESY Deutsches Elektronen-Synchrotron, **Germany**

FRS-FNRS Fonds de la Recherche Scientifique – FNRS, **Belgium**

FWO Fonds Wetenschappelijk Onderzoek, **Belgium**

FCT Fundação para a Ciência e a Tecnologia, **Portugal**

HIP Helsinki Institute of Physics, **Finland**

IEAP-CTU Institute of Experimental and Applied Physics, **Czech Republic**

IFIN-HH Horia Hulubei National Institute of Physics & Nuclear Engineering, **Romania**

INFN Istituto Nazionale di Fisica Nucleare, **Italy**

KIT Karlsruher Institut für Technologie, **Germany**

LSC Laboratorio Subterráneo de Canfranc, **Spain**

NASU National Academy of Sciences of Ukraine, **Ukraine**

NOA National Observatory of Athens, **Greece**

NWO The Netherlands Organisation for Scientific Research, **Netherlands**

ÖAW Austrian Academy of Sciences, **Austria**

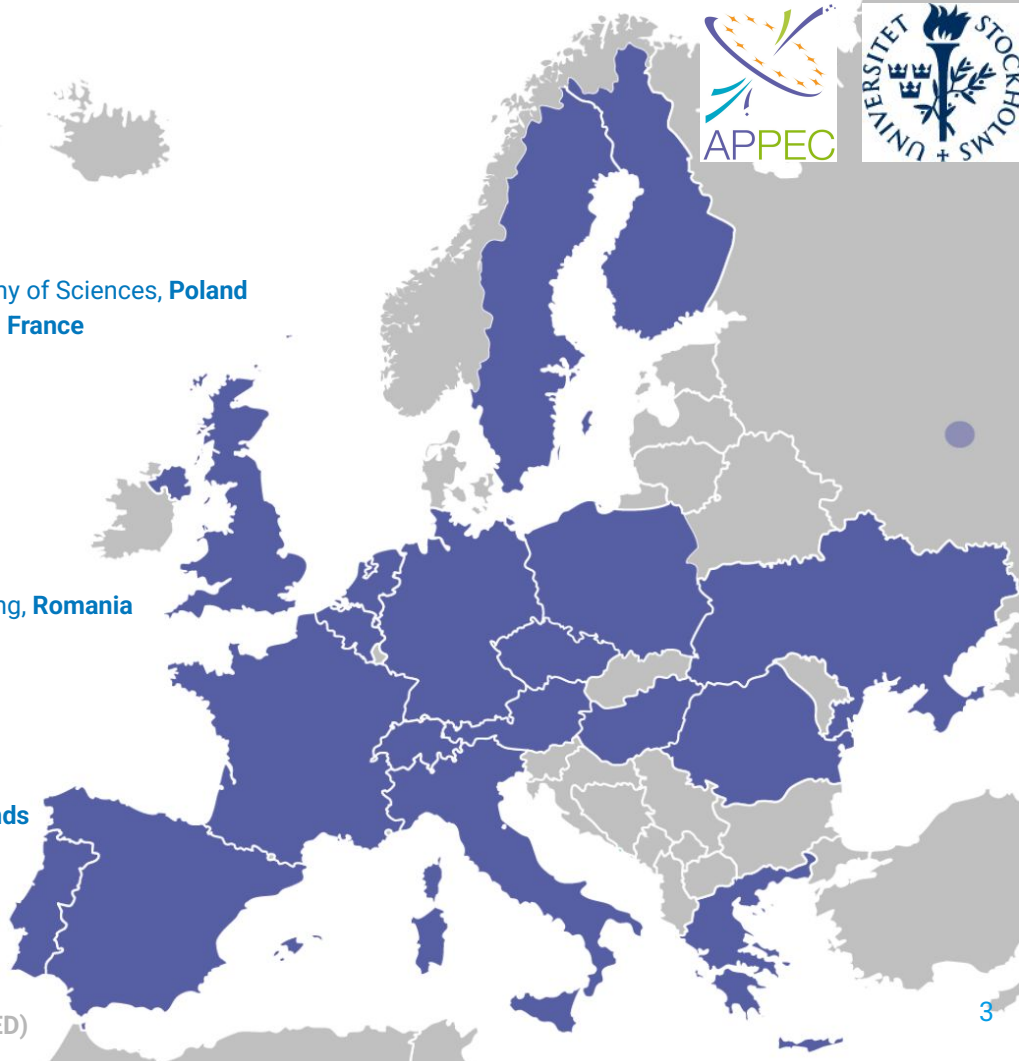
SNF Schweizerische Nationalfonds, **Switzerland**

STFC Science & Technology Facilities Council, **United Kingdom**

VR Vetenskapsrådet Swedish Research Council, **Sweden**

Wigner RCP Wigner Research Center for Physics, **Hungary**

JINR Joint Institute for Nuclear Research, Dubna, **Russia (SUSPENDED)**

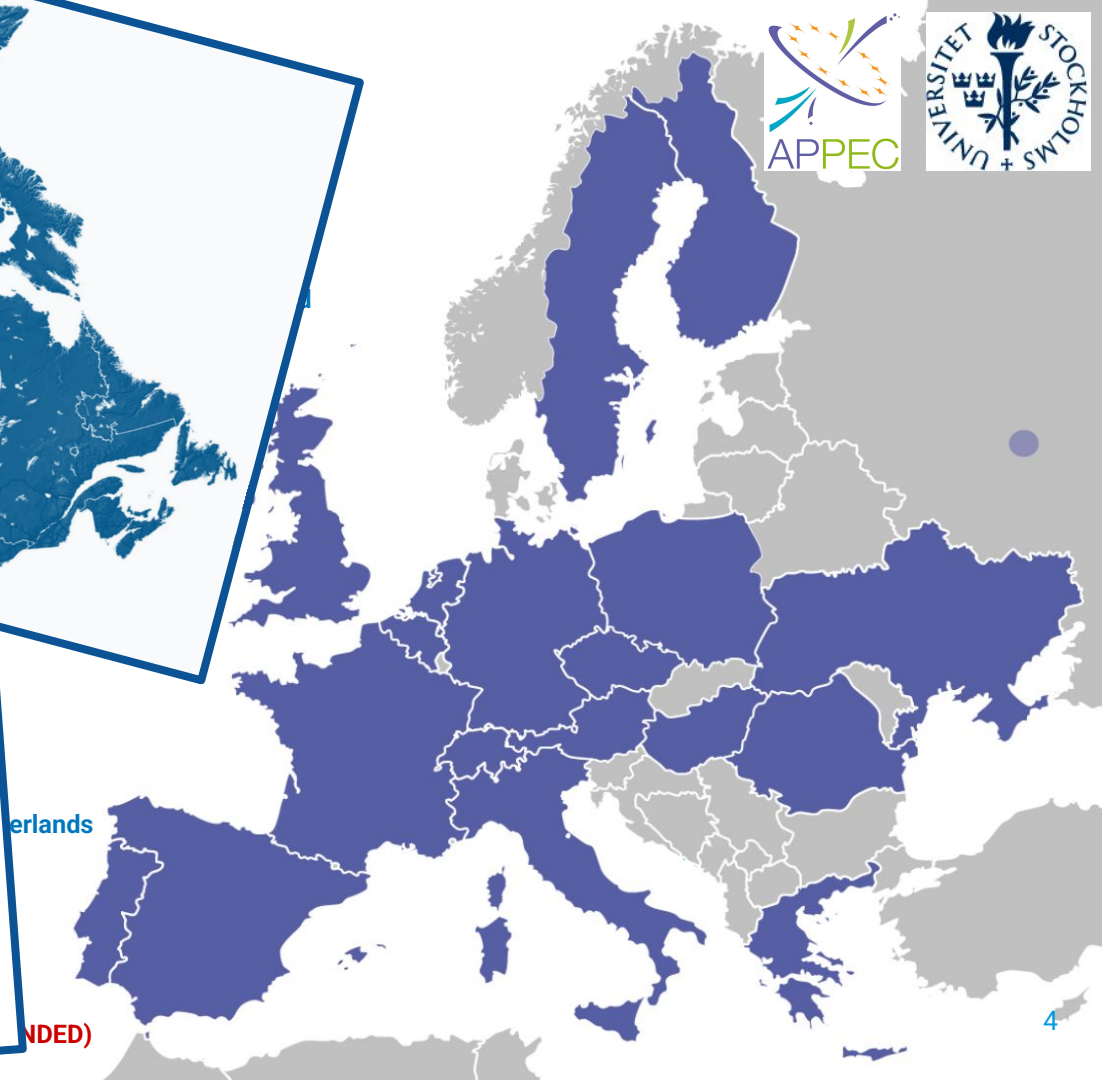


APPEC

CAMK	Nicolaus Copernicus Astronomical Center
CEA	Commissariat à l'Énergie Atomique
CNRS	Centre National de la Recherche Scientifique
DESY	Deutsches Elektronen-Synchrotron
FRS-FNRS	Fonds de la recherche en physique et en astronomie
FWO	Fonds National de la Recherche Scientifique
FCT	Fundação de Amparo à Pesquisa do Estado de São Paulo
HIP	Helsinki Institute of Physics, University of Helsinki
IEAP-CTU	Institute of Experimental and Applied Physics, University of Wrocław



By joining the APPEC Consortium, the Canadian funding agencies reaffirm their commitment to **advancing our collective vision on European astroparticle research activities and priorities.** Their participation signals a **clear intention to prioritize the execution** of the shared ambitions expressed in the upcoming European Astroparticle Physics Strategy 2027-2036, strengthening cooperation and accelerating progress across all joint initiatives.



APPEC Structure

General assembly

Strategic, supervisory, steering organ

Sweden/VR: AB (SU)

GA-meet. at VR
in Stockholm,
Dec '25

Joint secretariat

Executive body six functional centres

APC, DESY, INFN-LNGS, KIT, LSC, Nikhef

Scientific advisory committee

Scientific expert organ

24 members (elected ad-personam)

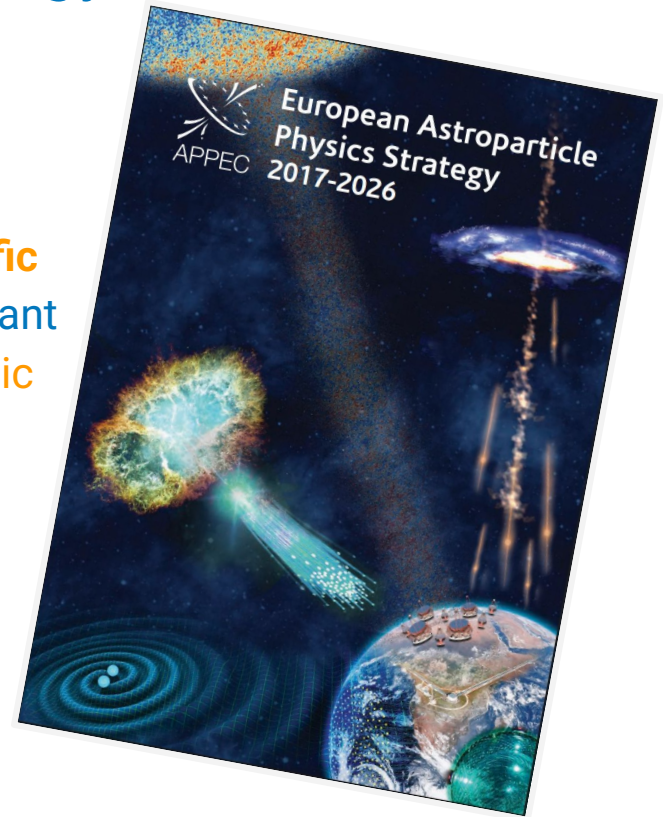
Swedish member: Chad Finley (SU)

European Astroparticle Physics Strategy 2017–2026

21 recommendations endorsed by the astroparticle community, and resource & funding aware — recommendations addressing, in addition to the **scientific issues**, crucial **organisational aspects** as well as important **societal issues** such as gender balance, education, public outreach and relations with industry.

Approved: Nov 2016

appec.org/european-astroparticle-physics-strategy-2017-2026



Mid-term update to: European Astroparticle Physics Strategy 2017–2026



High-impact events:

- Multimessenger observation of neutron star merger
- Maturing of European gravitational wave telescope
- Global pandemic

Not fully repeat 2017-2026 strategy, but discuss relevant developments since 2017 and provide an **updated set of recommendations.**

Approved: summer 2023

appec.org/mid-term-review



European Astroparticle Physics Strategy 2027–2036

GA Mandate

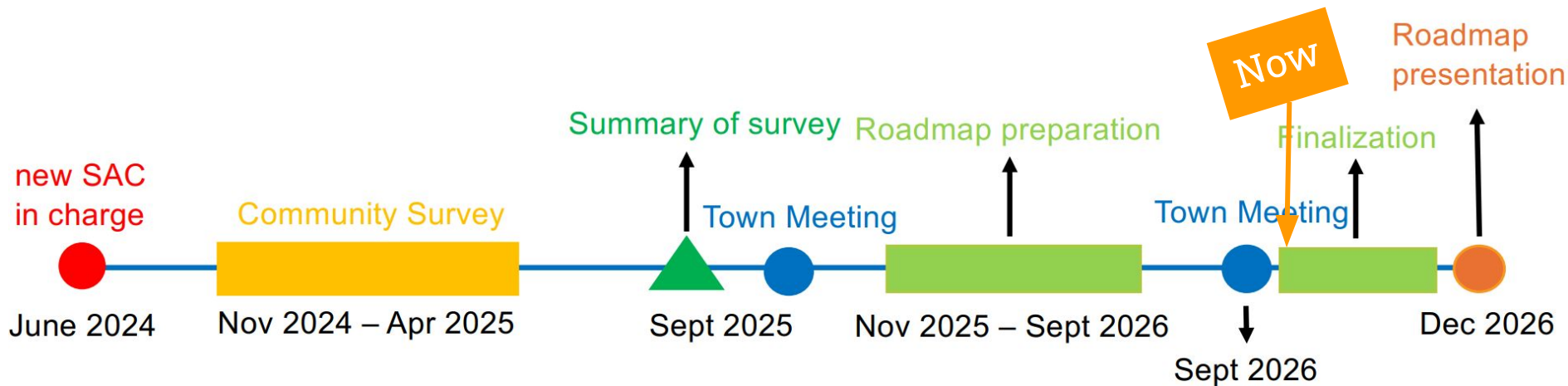
- APPEC General Assembly's mandate to define priorities in the roadmap:
 - **Completion** of experiments and instruments **currently in construction**.
 - **Coordinated strategy** (timeline, ...) of instruments to optimize sky coverage and **multi-messenger data**.
 - Highlight **missing** experiments and instruments in the short and long term.
 - Extensive **R&D** efforts in **key technologies** (extended DRDs).
 - Plan for **computing & software** technologies development (JENA Computing Initiative).
- **R&D&I is central** in the roadmap.
- **Science** subjects are organized **in three blocks**:
 - Multi-messenger & Underground & Universe
- **Theory**: priorities focused on **key developments**.

European Astroparticle Physics Strategy 2027–2036

Written: (extended) SAC

Approval: GA

Product: (1) roadmap document with overall European astroparticle direction
(2) extended document detailing European strategies



APPEC other activities

Sponsoring conferences (particularly ECR participation)

- ISAPP 2026, VLBI 2026, COSMO 2026, ISCRA 2026

Supporting European inter-collaboration

- ACME: Astrophysics Centre for Multi-messenger studies in Europe
- EAF: European Astrosciences Forum

Organising forum

- APPEC tech forum: vacuum technology and cryogenics

Conclusion

APPEC is working towards the future of astroparticle physics research in Europe

Main focus in 2026:

European Astroparticle Physics Strategy 2027–2036

And subscribe to the newsletter:

appec.org/latest-news/newsletters

Thank you!