



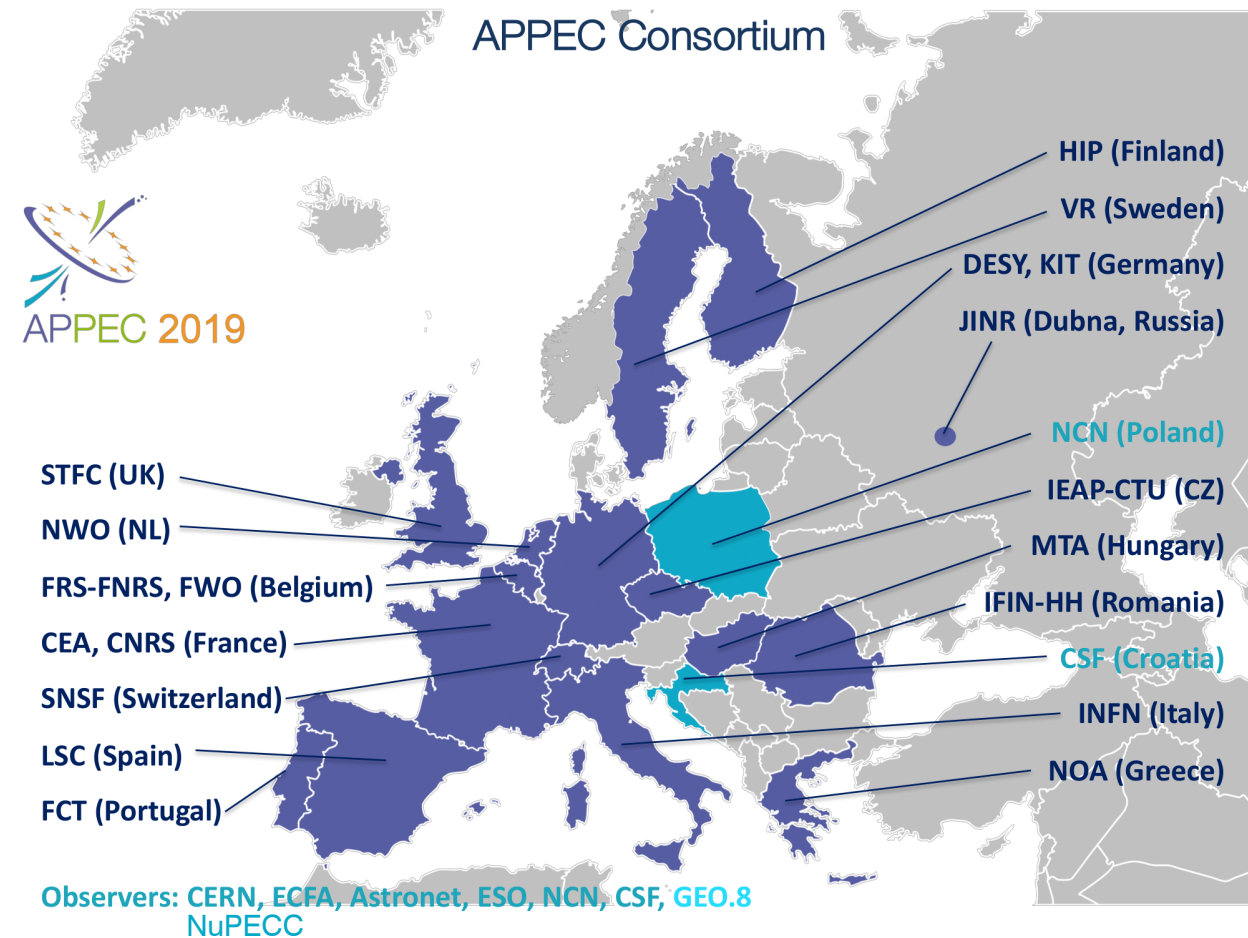
Astroparticle Physics European Consortium

Katrin Link, Karlsruhe Institute of Technology
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- Is the **A**stro**P**article **P**hysics **E**uropean **C**onsortium
- An international coordinating structure
- Founded in 2012
- Developed within the EU-funded projects ASPERA and ASPERA-2
- Is based on :
 - a Memorandum of Understanding (MoU)
 - a Financial Agreement with DESY (host of the APPEC Common Fund) by all partners
- Has at the moment :
 - 19 partners
 - 6 observers, including CERN, ESO, ECFA and NuPECC
 - a budget of 70k€/a

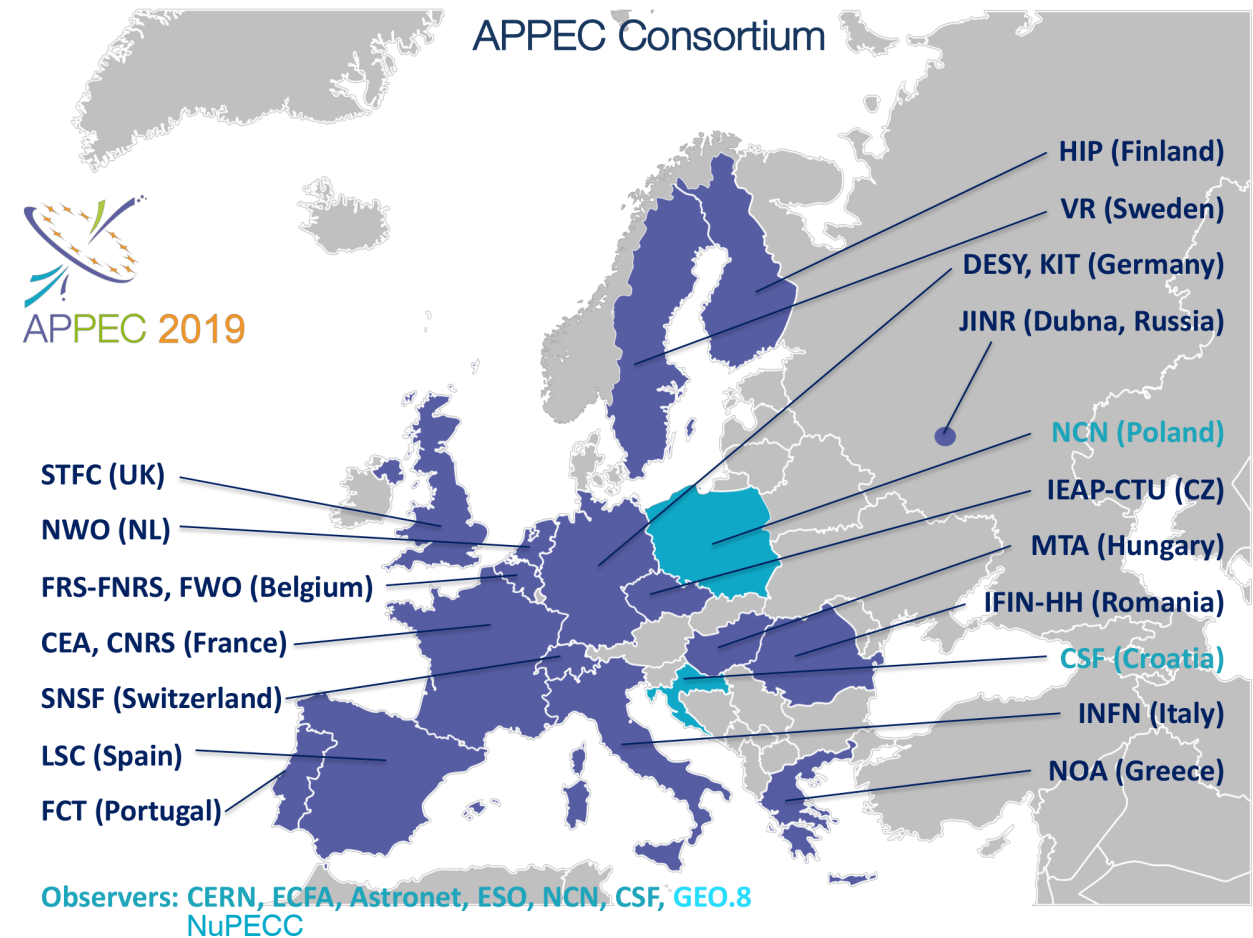
APPEC current scheme

- **The General Assembly**
 - strategic, decision making and supervisory body
 - Chair: T. Montaruli (UniGeneva), Deputy Chair: C. Stegmann (DESY)
- The Scientific Advisory Committee
- The Joint Secretariat running the functional centres

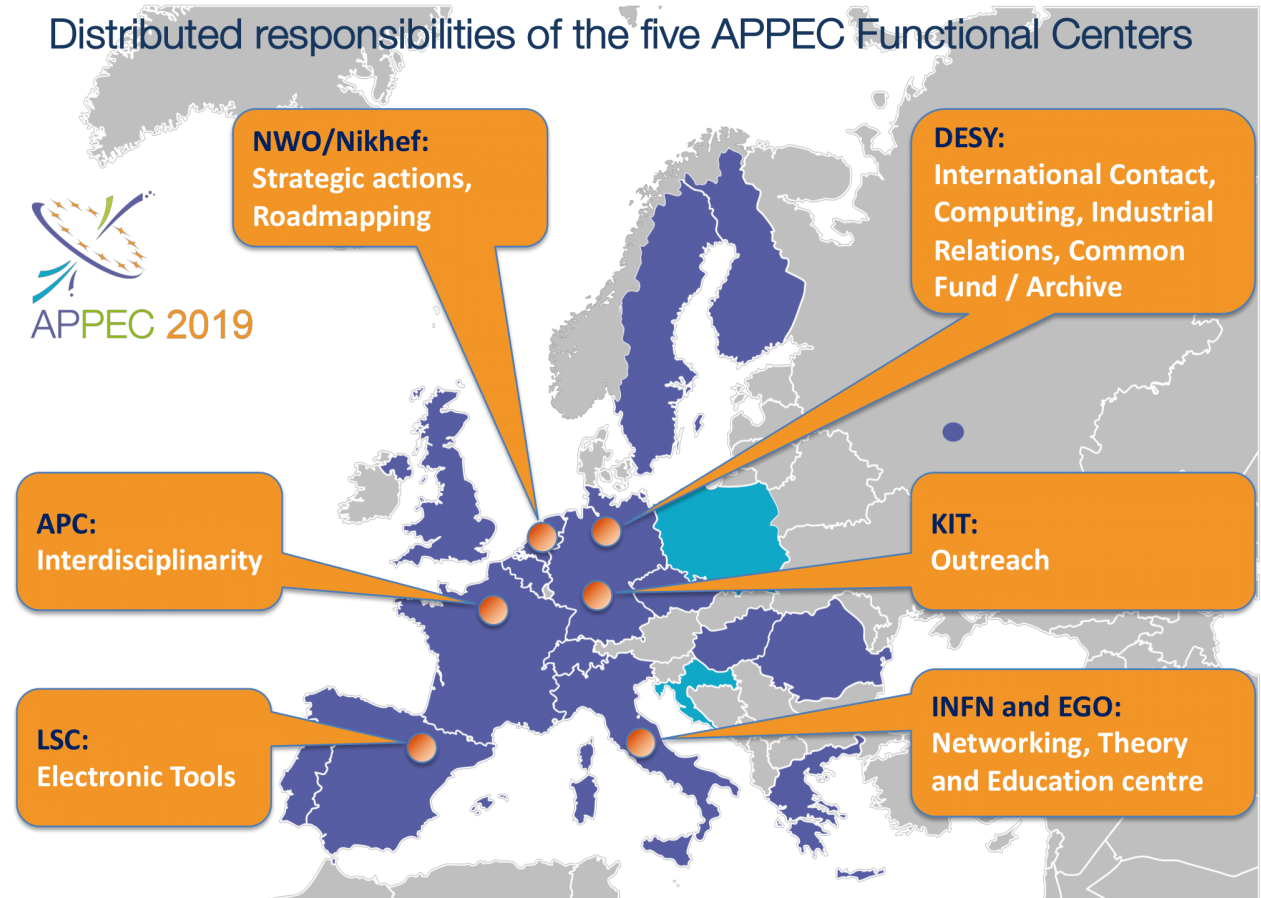


APPEC current scheme

- The General Assembly
- The Scientific Advisory Committee
 - Chair: L. Baudis (UniZurich)
vice-Chair: J. Monroe (UniLondon)
- The Joint Secretariat running the functional centres



- The General Assembly
- The Scientific Advisory Committee
- The Joint Secretariat running the functional centres
 - General Secretary: J. de Kleuver (NWO)
 - Outreach & Communication @ KIT



Guarantee **Coordination** of European Astroparticle Physics in Europe between **funding agencies** and **visibility** at Ministry level through:

- Structured **scientific advising** (SAC, dedicated panels to specific challenges)
- Development and update of **roadmaps** based on scientific strategies and financial considerations
- Establish **relations** with other bodies in **companion fields**
- Express **collective views** on APP in international fora
- Organise **Town meetings** (last one in April 2016, Paris)
- Support relevant **meetings/schools** of the community
- Organize **TechFora** and Open Calls
- Engagement with **society** (Outreach, Education,...)
- Contribute to **Working Groups** (R&D panel, Individual Recognition, Early Scientist career, Science WGs) and **Organisations** (EuCAPT...) to support the community

- High-energy gamma rays
 - High-energy neutrinos
 - High-energy cosmic rays
 - Gravitational waves
 - Dark Matter
 - Neutrino mass and nature
 - Neutrino mixing and mass hierarchy
 - Cosmic microwave background
 - Dark Energy
 - Astroparticle Theory
 - Detector R&D
- Computing and data policies
 - Unique infrastructures



20. Education and outreach

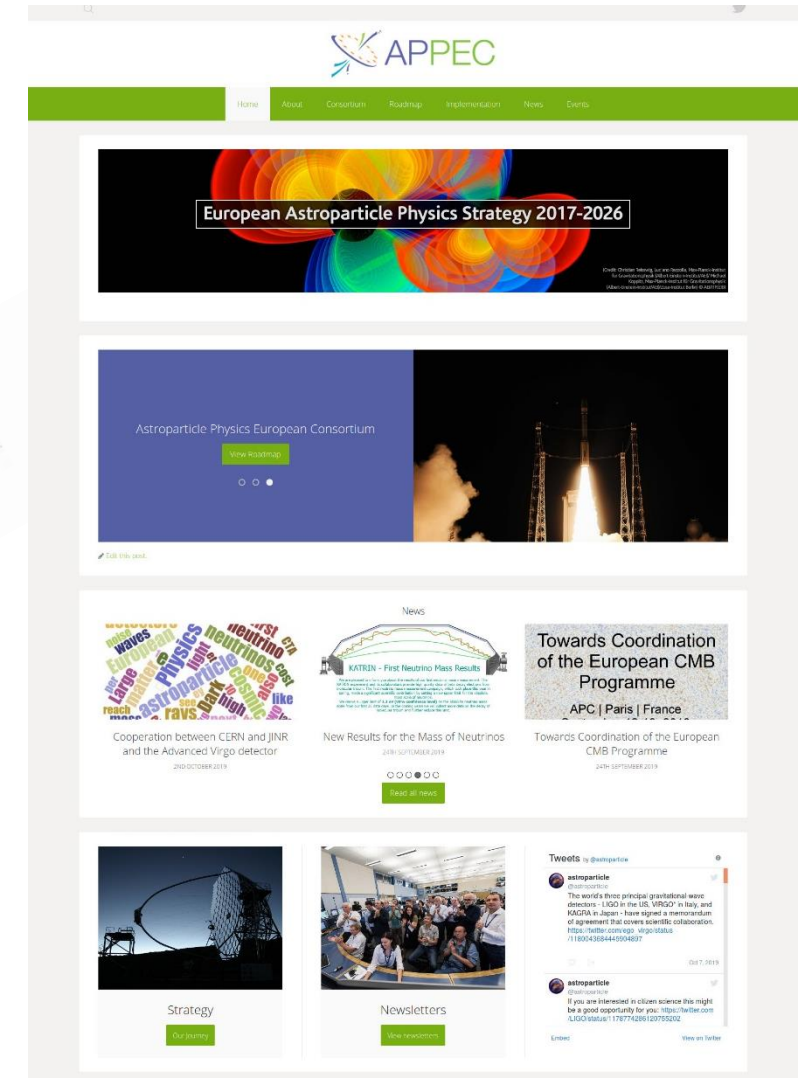
Astroparticle physics research attracts strong interest from students and the general public alike, as demonstrated recently by the huge publicity surrounding the discovery of gravitational waves.

Given the rapid expansion of the field of astroparticle physics, APPEC encourages (e.g. in cooperation with the IPPOG) the exchange of best practice in the sphere of outreach. At its frontier research facilities, APPEC will implement more structured organisation of dedicated astroparticle physics summer schools and studentships. APPEC will also enhance its presence on the web and social media.



Status

- Website www.appec.org with up-to-date information
- Regular Newsletter with interview, news, events
- Regular usage of Twitter @astroparticle



- Many experiments do outreach, e.g.
 - IceCube Masterclass, Auger Masterclass, CTA Physicists 'On-Call' ...
- Outreach on national level
 - Netzwerk Teilchenwelt (Germany), OCRA (INFN, Italy), COSMOS à l'École (France)...
- Outreach on international level
 - ICD, International Muon Week, Cosmic@Web



- Survey on APP outreach activities in Europe
- Add links and information on outreach activities to website
- APPEC can act as coordinating body
 - APP Outreach network?

Big overlap with Particle Physics in science, technology and outreach:

- Astroparticle input to EPPSU
- Joint ECFA-NuPECC-APPEC Seminar (<https://jenas-2019.lal.in2p3.fr/>)
- Already common outreach activities (national and international e.g. NTW, IPPOG-Global Cosmic Group)

APPEC is interested in a common outreach network

- APP experiments join IPPOG?
- Extend Global Cosmic Group?

- APPEC – Astroparticle Physics Consortium – is an international coordinating structure with General Assembly, Scientific Advisory Committee and Joint Secretariat
- Functional center for Outreach & Communication at KIT
 - Gather information about APP outreach
 - Provide information on website
- Interested in a common Outreach Network