Astroparticle Physics for Europe

Astroparticle Physics European Consortium

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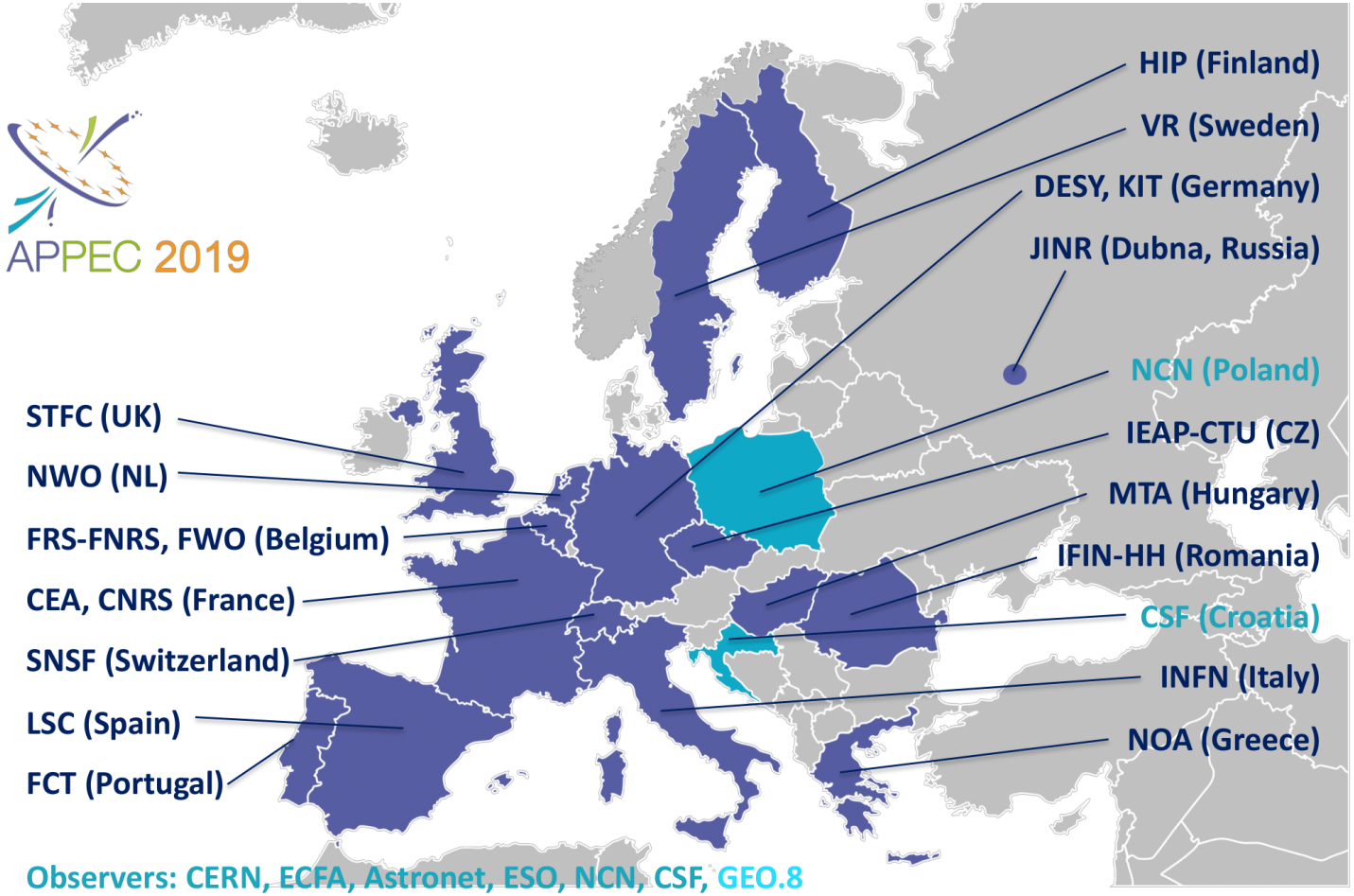
Communication & Outreach

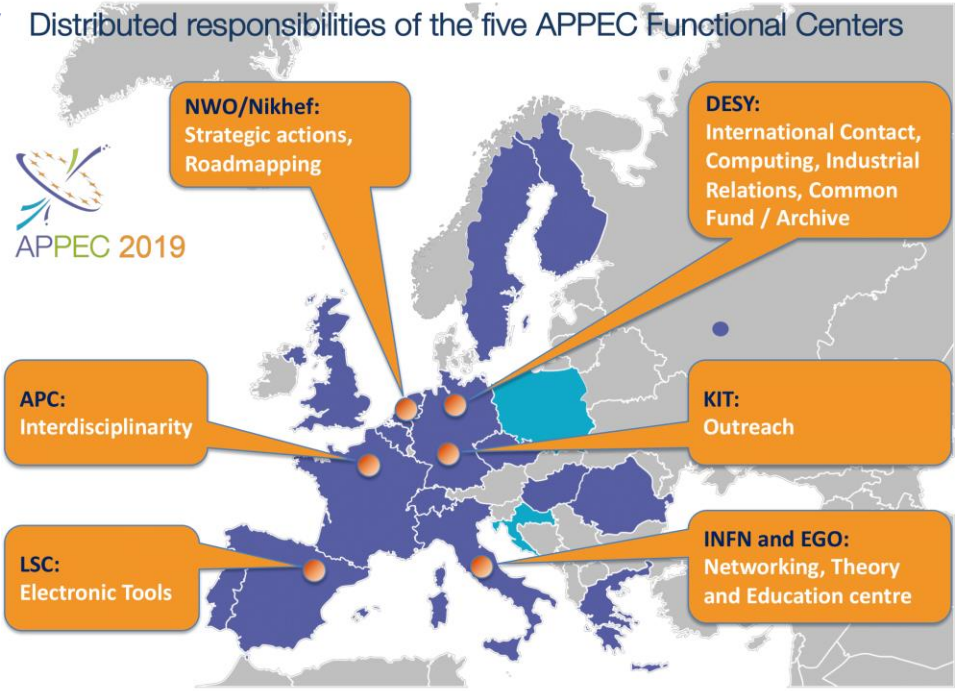
Astroparticle Physics European Consortium

The APPEC Consortium is based on an informal MoU between funding agencies and organisations.



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**
  - Chair: L. Baudis (UniZurich)
  - vice-Chair: J. Monroe (UniLondon)
- The **Joint Secretariat** running the functional centres
  - General Secretary: Job De Kleuver (NWO)



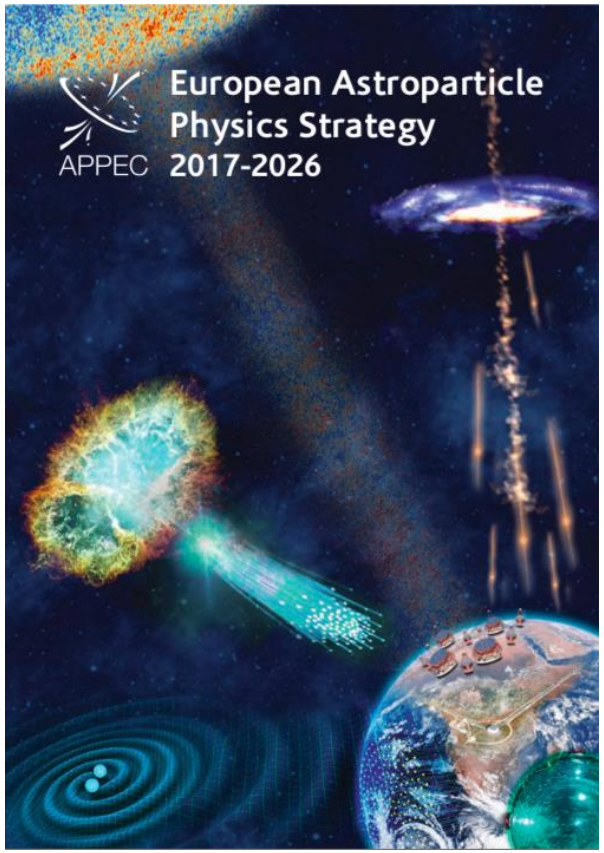
Coordination of European Astroparticle Physics

→ Development of a Roadmap

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**.



Tasks of Communication & Outreach Office

Communication

- Website with News and Events section - **www.appec.org**
- Newsletter, including News, Events, Interviews
- Twitter **@astroparticle**
- Re-establish Communication Network
- Represent APPEC in the EPPCN

Outreach

- European Astroparticle Physics Outreach Network

Victoria Tokareva

Astroparticle physics outreach by KIT

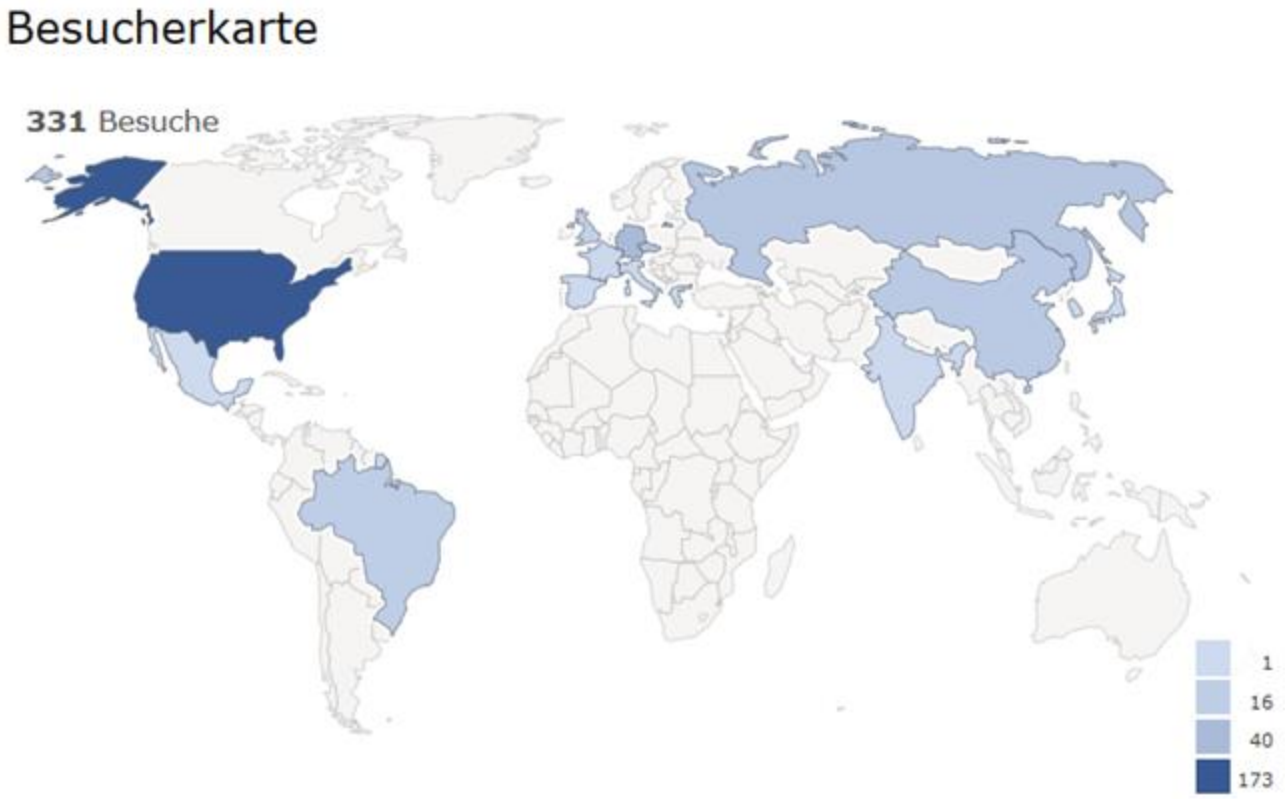
KASCADE **C**osmic-ray **D**ata **C**enter

- Established in 2013
- Domen: kcdc.ikp.kit.edu
- Open access to almost all the cosmic-ray data collected by KASCADE experiment, including 433 million air showers
- Published CR spectra from various experiments (KASCADE, Ice-Top, AUGER, TUNKA, etc.)
- Tutorials and manuals
- 202 registered users

- Only modern high-performant open source software

KASCADE Cosmic-ray Data Center

- Data for 5366 days of observation (08/051998 - 15/01/2013);
- Broad users geography



Astpoparticle.Online

- Established in 2018 in the frame of the project German-Russian Astroparticle Data Life Cycle Initiative;
- Participants: Karlsruhe Institute for Technology (KIT), Moscow State University(MSU), Irkutsk State Univerity (ISU), KASCADE, TAIGA and Baikal-GVD experiments;
- Aim: to provide access to cosmic-ray data collected by different experiments in a framework of a global cosmic-ray center.

Astpoparticle.Online

- Outreach materials on astroparticle physics;
- Sample experimental data;
- Labs on data processing, analysis and simulations;
- Materials of the portal are used in a course “Introduction in experimental astroparticle physics” by ISU (around 20 listerers/year) and in tutorials at the Baikal Summer School on Physics of Elementary Particles and Astrophysics 2019.
- ≅ 100 participants from 11 countries (i.e. Russia, Germany, Italy, Spain, India, etc.)

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Thanks!

For further details, please, visit:
kcdc. ikp.kit.edu
astropartilce.online