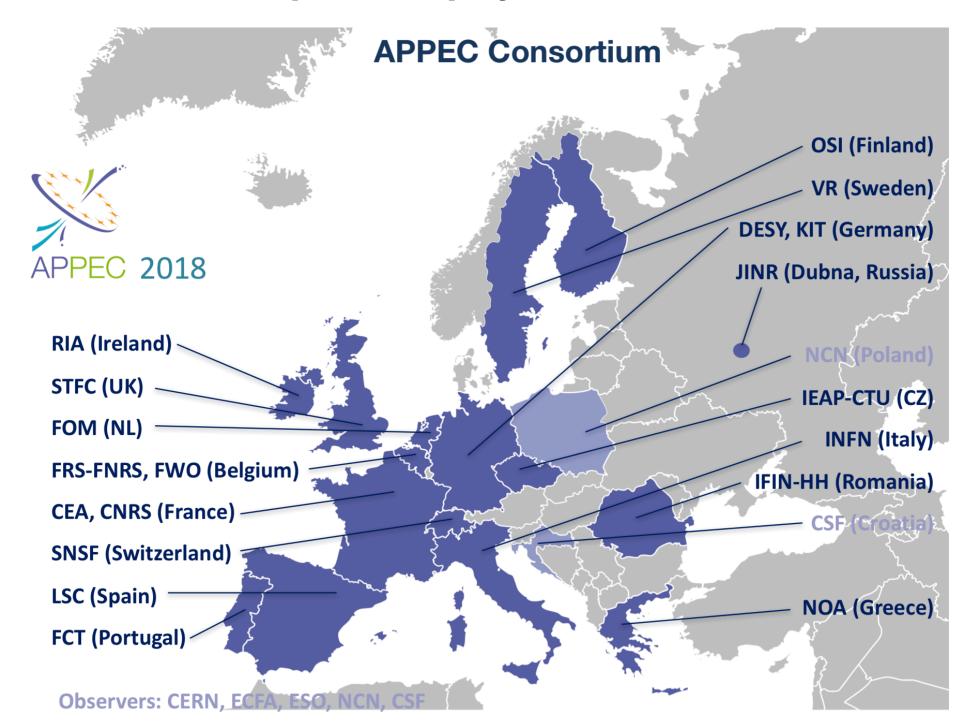
# **APPEC (Astroparticle physics Consortium)**



# Launch of the Roadmap event

https://indico.nikhef.nl/event/767/

 Plenary session: A. Masiero (APPEC Chair), RJ Smits, G. Rossi, J.van den Brand, Cordova (NSF), E. Elsen (CERN), Ivison (ESO)

#### **About APPEC:**

## Strategic objectives

- Coordination of European Astroparticle Physics
- Develop and update long term strategies (roadmap)
- Express collective views on APP in international fora

## Implementation objectives

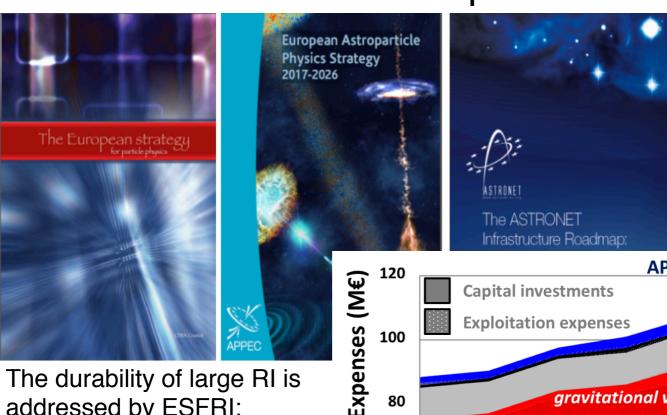
- Coordination between existing/developing national activities
- Convergence of future large scale projects/facilities
- Organisational advice for implementation of large facilities
- Launch common calls funded by a (virtual) common pot

Job de Kleuver

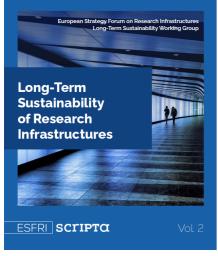
Public Roadmap (2017-2026:

http://www.appec.org/wp-content/uploads/2017/08/APPEC-Strategy-Book-Proof-23-Nov-2.pdf

## Resource aware roadmap in an Int. contest



The durability of large RI is addressed by ESFRI:



APPEC agencies invest ~80 Meuro/year in APP **CMB Exploitation expenses** dark energy 100 gravitational waves 80 60 γ-ray telescopes *v* telescopes 40 cosmic rays -properties 20 dark matter underground laboratories 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026

Year

#### **News**

General Assembly and Joint Secretariat Chair: A. Masiero (IT), vice Chair: TM, Secretary: J.

De Keluver (NL). Next GA: Moscow on May 17 (vacant for CH).

Interim Chair of SAC: L. Baudis (being also nominated as SAC Chair)

Future new members: Hungary and in a bit more time Poland.

**EU Strategy for Particle Physics**: the ApPEC chairperson is a standing invitee to the **European Strategy sessions of CERN Council** (both open and restricited sessions) And it is **invited to participate in the European Strategy Group (ESG)**, which will draft the next update of the European Strategy for Particle Physics; the PPG membership will include four members proposed by the Scientific Policy Committee (SPC) of CERN and four members proposed by ECFA. The PPG will collect input from community, to be discussed in open symposium in May 2019.

Input from ApPEC to the **Physics Briefing Book** is being now organized. The book will be presented Sep. 2019 to the ESG, who will produce a draft of the Strategy update for the Council in Jan 2020. Final version approved by Council in March 2020.

- APPEC established a Committee of experts on R&D for next generation ton-scale neutrino-less double beta decay detector to join the analogous committee fromed by DOE: A. Giuliani (CNRS/IN3P3, SAC member), E. Previtali (INFN, CUORE), JL Gomez Cadenas (IFIC, NEXT), S. Schoenert (TUM, GERDA, LEGEND), K. Schaeffner (COSINUS, CUPID, CRESST). The committee will coordinate with US one. Meeting with Tim Hallman and David Gross this week (LEGEND: from convergence of GERDA and MAJORANA)
- APPEC launched a call for the Astroparticle Physics Theory Centre: in addition to CERN, Univ. Pierre et Marie Curie and Paris Sorbonne, also the Pascal Institute at Paris-Saclay where order of 60 researchers will be invited for several weeks to months of thematic programs.
- Coming Meetings: Workshop on Coordination of CMB programme 20-21 Sep.
  Florence; Meeting with GEO-o Geophysicists, Oct 2018, APPEC Technology Forum 12-13 Nov, NL