



International Particle
Physics Outreach Group

IPPOG Contribution to the European Strategy Update

17th IPPOG CB Meeting



Process & Timescales

Timeline for the update of the European Strategy for Particle Physics



We all received the same basic information: <https://europeanstrategyupdate.web.cern.ch/process-0>

Last time, IPPOG produced a document that it so complete, well written and “ever green” that is could be re-submitted today

==> I contacted some of the top organisers to ask them what they expect ?



2018-2020 Exercise

• Reports by Working Groups

- [WG1: Social and career aspects for the next generation](#)
- WG2: Organisational structure for European participation in global projects
- [WG3: Relations with external bodies and fields of physics](#)
- [WG4: Knowledge and Technology Transfer](#)
- [WG5: Public Engagement, Education and Communication](#)
- [WG6: Sustainability and Environmental impact](#)

Future Challenges in Particle Physics Education and Outreach

IPPOG Collaboration

IPPOG, the International Particle Physics Outreach Group, is a collaboration comprising 27 signing member-organizations (countries, laboratories, experiments) whose goal is to maximize the impact of education and outreach efforts related to particle physics.

IPPOG members from:

Australia, Austria, Belgium, Brazil, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Sweden, Switzerland, USA; and CERN, ALICE, ATLAS, Belle II, LHCb

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Submitted: 18 December 2018

Abstract

This document is meant to serve as input from the IPPOG Collaboration for the open call for the European Particle Physics Strategy Update 2020. It emphasises the strategic relevance of concerted, global outreach activities in particle physics today and beyond when envisaging new large-scale projects.

<https://cds.cern.ch/record/2748197>

2024-2026 Exercise

We know the “why”... We need ideas & projects on “how”

Deadline for answers to this question: 31 March 2025. Working Groups will start from this, out of which 3 may benefit from what IPPOG has to say ...

1. Interplay with Neighbouring Fields

Where are we with APPEC and NuPec ? What about other angles / fields of expertise ?

2. Communicating the Importance of Particle Physics

Please note that the wording changed a lot compared to the previous exercise, we are more talking about short and medium term public engagement (although longer term goals and education should not be forgotten, of course)

3. Careers Prospects and ECR Leadership

Came back several time in the discussion: how can outreach and all the (soft?) skills that come with it be better recognised ? How can the general level be improved, e.g. by training ? How can the leaders of each country learn what others do and share projects at a larger (and more visible) scale ?



Building on the IPPOG know-how ?

Some (very preliminary) ideas to start with...

- Highlight methodology / tools specific to IPPOG
 - Open network, where actors from different experiments/projects can mix
 - Success stories & parallel sessions talks are a gold mine for the whole community
 - Reach out to places/publics that do not have contact with HEP
- Introduce our will/plans (and request for support) to expand on a few items
 - Training
 - Multilingual resources portal
- Would an questionnaire make sense and be doable ?
 - Ask the “young outreachers” requests/views on their careers, ask the “older generation” how things could be better organised, based on their management experience. Start with the Forum & success stories authors, then open.
 - If so March would be a kick off. Open analysis should culminate, in Fall 2025, in a workshop (Italy)



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Discussion Time !

