

Guidelines for submitting a proposal for a project within AIDAInnova

WP13

Prospective and Technology-driven Detector R&D

WP13 Prospective and Technology-driven Detector R&D Proposals – General Information

Background

WP13 of AIDAInnova aims at stimulating prospective and technology-driven ('blue sky') detector R&D by opening new lines of research and new technologies, which are essential to preparing for future particle physics experiments, as discussed in the 2020 European Strategy for Particle Physics Update.

AIDAInnova Funding will be provided to individual institutions or small consortia to investigate outstanding new ideas and concepts. Invited are applications from European research institutions (AIDAInnova members or not) as the lead beneficiary. Non-European partners and industrial partners can be members of small consortia.

Eligible activities

Proposals should contain activities aiming at developing new fundamental technologies or novel techniques that improve the performance of state-of-the-art detectors.

Call deadline and funding

Proposals must be submitted by **September 12, 2021**. A budget of 0.55 MEUR plus 25% overheads is available to support at least three (tentatively) 3-year projects.

Call for Proposals

Institutes and laboratories interested in participating in this call are invited to submit proposals using the following template.

Scope of the proposals

The proposals should cover activities aiming at:

- prospective R&D and emerging detector technologies for present and future accelerator-based projects that will result in significant technological breakthroughs.

The innovative elements of the proposed activities should be clearly outlined in the proposal.

Industry participation

The involvement of industry is possible. Companies may contribute to joint R&D activities, engineering runs, or ASIC/chip manufacturing. However, only in the first case the industrial participation may be considered as strengthening the innovation potential of the proposal.

Matching resources

Participants in the call are invited to contribute matching resources, and matching funds will be considered in the proposal evaluation.

Content of the proposal template

- **Title:** indicate the main topic with possibly some keywords
- **Participants** (min. 1, max. 4): list the participating institutes, laboratories, and industrial partners (if any)
- **Contacts:** Provide the name and e-mail of one proponent.
- **Description:** (max. 2-3 pages)
 - Brief description of the planned activity and the main expected results
 - Relevance to future accelerator-based HEP projects
 - Common interest and added value for the community
 - Role of each partner
 - Innovative aspects: *What is new compared to existing R&D programmes and projects? What is the progress beyond the activities proposed in AIDAinnova? What is the level of novelty w.r.t. to the State of the Art? Is it a new or an improvement of existing technologies? etc.*
 - Progress, through the proposed project, towards an improved assessment of the future potential of the technological approach
- **Deliverables:** list the expected deliverable(s) of the proposed activities
- **Budget estimate**
 - Man-power (total number of person-months which are needed to achieve the objectives)
 - Full cost, including personnel and other direct costs (materials, equipment, services), and specify the requested EC contribution

Proposal submission deadline: **September 12 2021**

Submissions should be sent to AIDAinnova-BlueSKY@cern.ch

The evaluation result will be communicated to proponents in October 2021, and successful projects will be funded from January 1, 2022.

Annex: proposal template (Word document)