

Accelerator Innovation Pilot Project

Proposal Form

***Short title of proposed action:***

***Type of action (Strategy / Development / Prototype):***

***Name and Affiliation of main proposer:***

***E-mail of main proposer:***

***Requested EC contribution (in k€):***

**Please send your proposal to** [**Accelerator.Innovation@cern.ch**](mailto:Accelerator.Innovation@cern.ch) **before August 31, 2019**

1. **General Information**

**Type of action proposed** *(Strategy/Development/Prototype)*

**Duration** *(must be between 12 and 48 months)*

**Short title / Acronym**

**Title**

*(max. 80 characters)*

**Abstract**

*(max. 600 characters including spaces)*

**Main proposer (contact person for the action)**

*(Name, affiliation, and e-mail address for communications)*

**Participating institutions and contact persons** *(complete the Table below)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Name | Short  name | Country | Contact Person | Institution Type\* |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| … |  |  |  |  |  |

\*: Laboratory (or Research Center), University, Industry/SME

**Theme**

*Indicate to which of the following R&D themes your action belongs:*

\_\_\_ Accelerator designs and new concepts

\_\_\_ New techniques for high-gradient acceleration

\_\_\_ Societal applications of accelerators

\_\_\_ Advanced magnet technologies

\_\_\_ Radio-frequency technologies (acceleration and sources)

\_\_\_ Particle Sources

\_\_\_ Diagnostics, instrumentation and control

\_\_\_ Sustainability of accelerator and technology infrastructure

\_\_\_ Other (specify:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

1. **Scientific and technological excellence**

*Describe your proposed action, indicating in particular the problem or limitation that your action will address, how it will allow going beyond the present state of art, and (for developments/prototypes) the Technology Readiness Level resulting from your action.*

*(max. 3500 characters including spaces, corresponding to about 1 page)*

1. **Impact**

*Describe what will be the impact of your action on present or future accelerator-based Research Infrastructures and/or on society. Wherever possible, use measureable criteria.*

*(max. 1500 characters including spaces, ½ page)*

1. **Methodology**

*Describe how your action is going to be organised and implemented. Indicate what will be the role of the different partners, in particular for industry.*

*(max. 1000 characters including spaces)*

1. **Schedule and Deliverables**

*List in the Table below the main deliverable(s) of your action and the time required to achieve them from the start of the project. Suggested: one Deliverable for Developments, two or more for Prototypes and Strategies.*

|  |  |  |
| --- | --- | --- |
|  | Deliverable description | Month |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
|  |  |  |

1. **Potential risks and mitigations**

*Indicate the main potential risks related with the implementation of your action and the mitigations that you foresee (suggested between 1 and 4 risks) – please note that we understand that this is a high-risk R&D programme and that some risks may have no mitigation within the project.*

|  |  |  |
| --- | --- | --- |
|  | Potential Risk | Mitigation |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |

1. **Continuity with previous EC-funded activities**

*In case your action is related to activities previously funded in the frame of European Scientific Programmes (Horizon2020, FP7, etc.), indicate the programme, the name of the project and the relation.*

1. **Tentative Budget**

*Indicate in the Table below an estimate of the budget required to execute the action (one column per participant), and calculate the corresponding funding rate (last line):*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | *(Partner 1 name)* | *Partner 2 name)* | *(Partner 3 name)* | *(Partner 4 name)* | *(Partner …name)* | **TOTALS** |
| A | Personnel and travel costs | k€ |  |  |  |  |  |  |
| B | Material and other costs | k€ |  |  |  |  |  |  |
| C | **Requested EC contribution** | k€ |  |  |  |  |  |  |
|  | | | | | | | | |
|  | **Funding rate** F=  C/(1.25\*(A+B)) |  |  |  |  |  |  |  |

*Notes to the budget Table:*

1. *The numbers in the Table have to be intended as* ***preliminary.*** *If the proposal is accepted, the proposers will be able in the final preparation phase to modify costs, budget share and number of participants within a reasonable range (i.e. without affecting the main features of the proposal). Modifications to the total EC contribution will not be allowed.*
2. *The* ***funding rate*** *F = EC\_contribution / (1.25\*(sum of columns A + B)) is the ratio between EC contribution and total cost of the action. The latter is calculated as sum of all costs with the flat 25% overhead of Horizon 2020. We expect the funding rate F to be of the order of 50% as in previous EU accelerator projects, although different ratios can be accepted, in particular for industrial partners. In the evaluation, some priority will be given to projects raising a high amount of matching funds from the partners.*
3. **Final remarks**

*Provide any additional information that might be useful in the evaluation of your action.*