

Link to the call in the Funding & tender opportunities : [click here](#)

General information

Programme

Horizon Europe Framework Programme (HORIZON)

Call

[Next generation of scientific instrumentation, tools and methods \(2022\) \(HORIZON-INFRA-2022-TECH-01\)](#)

 See budget overview

Type of action

HORIZON-RIA HORIZON Research and Innovation Actions

Type of MGA

HORIZON Action Grant Budget-Based [HORIZON-AG]

Forthcoming

Deadline model

single-stage

Planned opening date

19 January 2022

Deadline date

20 April 2022 17:00:00 Brussels time

Next generation of scientific instrumentation, tools and methods (2022) (HORIZON-INFRA-2022-TECH-01)

AstroParticle Observatory and Geoscience Innovation Actions- APOGEIA

Key information

- Planning opening date: **19 January 2022**
- Deadline date: **20 April 2022**, 17:00 Brussels time
- Estimated EU contribution: between EUR 5.00 and **10.00** million
- Total indicative budget: **110.00 million (EUR)**
- Number of projects expected to be funded: **11**
- Type of action: Research and Innovation Action (**definition [here](#)**)
- Maximum funding rate: **100%**

Topic description

ExpectedOutcome:

Project results are expected to contribute to several of the following expected outcomes:

- enhanced scientific competitiveness of European research infrastructures
- foundations for the development of innovative companies;
- increase of the technological level of industries through the co-development of advanced technologies for research infrastructures and creation of potential new markets;
- integration of research infrastructures into local, regional and global innovation systems.

Scope:

The aim of this topic is to deliver innovative scientific instrumentation, tools and methods, which advance the state-of-art of European RIs, and show transformative potential in RIs operation. The related developments, which underpin the provision of improved and advanced services, should lead research infrastructures to support new areas of research and/or a wider community of users, including industrial users.

Cutting-edge technologies will also enhance the potential of RIs to contribute addressing EU policy objectives and socio-economic challenges.

Aspects to be addressed in the proposal

- Proposals should address **all** following aspects:
- Research and development of new scientific instrumentation, tools and methods for research infrastructures taking into due account resource efficiency (e.g. energy consumption) and environmental (including climate-related) impacts
- Their technology validation and prototyping
- Training of RI staff for the operation and use of these new solutions
- The innovative potential for industrial exploitation of the solutions and/or benefits of the society

Eligibility conditions

- The conditions are described in General Annex B [[link here](#)]
- **Additional eligibility criteria:** consortia must include at least 3 different research infrastructures, each of them being an European Strategy Forum on Research Infrastructures (ESFRI) (**definition and more here:** [link](#)) and/or a European Research Infrastructures Consortium- ERIC (**definition and more here:** [link](#)) or another research infrastructure of European interest (i.e. a research infrastructure which is able to attract users from EU or associated countries other than the country where the infrastructure is located)
- To be eligible legal entities from MS and AC must have a **gender equality plan**
- Eligible for funding are: legal entities established in MS of the EU or in other eligible non-EU countries (countries associated to Horizon Europe- for a provisional list*: [click here](#)); and low-and middle-income countries (listed [here](#), p. 13)

Admissibility conditions

- - applications must include a **plan for the exploitation and dissemination of results including communication activities**
- - page limits, and sections subject to limits, are clearly shown in the application template. However the limit for a full application is 45 pages.
 - The title, list of participants and sections 1, 2 and 3, together, should not be longer than 45 pages. All tables, figures, references and any other element pertaining to these sections must be included as an integral part of these sections and are thus counted against this page limit.

Award criteria

| Excellence | Impact | Quality and efficiency of the implementation |
|--|--|--|
| <p>Clarity and pertinence of the project's objectives, and the extent to which the proposed work is ambitious and goes beyond the state of the art.</p> <p>Soundness of the proposed methodology, including the underlying concepts, models, assumptions, interdisciplinary approaches, appropriate consideration of the gender dimension in research and innovation content, and the quality of open science practices including sharing and management of research outputs and engagement of citizens civil society and end-users where appropriate.</p> | <p>Credibility of the pathways to achieve the expected outcomes and impacts specified in the work programme, and the likely scale and significance of the contributions from the project.</p> <p>Suitability and quality of the measures to maximize expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities.</p> | <p>Quality and effectiveness of the work plan, assessment of risks, and appropriateness of the effort assigned to work packages, and the resources overall.</p> <p>Capacity and role of each participant, and the extent to which the consortium as a whole brings together the necessary expertise.</p> |

- Scores are awarded for the criteria not for the different aspects listed in the table above.
- Each criterion will be scored out of 5/threshold for individual criteria will be 3
- The overall threshold, applying to the sum of the three individual scores, will be 10

Will be considered for funding proposals that pass the individual threshold AND the overall threshold

Budget

- Budget categories include:
 - Actual costs (i.e. costs which are real and not estimated or budgeted) for:
 - Personnel costs
 - Subcontracting costs
 - Purchase costs
 - Flat rate for:
 - Indirect costs (25% flat rate of total eligible direct costs, excluding eligible direct costs for subcontracting)

R&I description

R&I are activities that aim primarily to establish new knowledge or to explore the feasibility of a new or improved technology, product, process, service or solution. This may include basic and applied research, technology development and integration, testing, demonstration and validation of a small-scale prototype in a laboratory or simulated environment .[\[back\]](#)