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Research Infrastructures

[1]

Horizon 2020 will endow Europe with world-class research infrastructures that are accessible to all researchers in Europe and fully exploiting their potential for scientific advancement and innovation.

Developing the European infrastructures for 2020 and beyond

Three types of activity will be supported to enable excellent science in Europe.

- The first activities are targeted to the development of new world-class research infrastructures. Support will be provided for the implementation and operation of the research infrastructures listed on the ESFRI Roadmap. Support will cover the preparatory phase of new ESFRI projects, and the implementation and the operation phases of prioritised ESFRI projects. Further worldclass facilities will also be part of this action.

- The second set of activities aims at optimising the use of the national facilities by integrating them into networks and opening their doors to all European researchers. This is a continuity of the so-called Integrating Activities under FP7.

- The third action will support further deployment and development of ICT based e-infrastructures which are essential to enable access to distant resources, remote collaboration, and massive data processing in all scientific fields.

Fostering the innovation potential of the infrastructures

and their human resources

Research infrastructures are very often incubators of innovative technologies. The EU support will encourage them to stimulate innovation both in the infrastructures themselves and in their supplier and user industries.

Reinforcing European policy and international cooperation

The aims are to exploit synergies between national and Union initiatives by setting up partnerships between relevant policy makers and funding bodies or advisory groups such as ESFRI, e-Infrastructure Reflection Group (e-IRG), EIROforum organisations. This action will also facilitate the development of global research infrastructures and the cooperation of European infrastructures with their non-European counterparts, ensuring their global interoperability and access.

The total budget for this activity in Horizon 2020 is 2.488 million euros.

Search for funding opportunities related to research research infrastructures [2] in the Participant Portal.

Links:
European strategy on Research infrastructures [3]
Interactive map of research infrastructures [4]
ESFRI [5]
e-IRG [6]
e-infrastructures [7]
Related Horizon 2020 sections:
Excellent Science [8]
Research Infrastructures, including e-Infrastructures [9]

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[2] http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/search/search_topics.html#c,topics=topicFileName,callIdentifier,callTitle,identifier,title,description,tags,flags/s/Research%20infrastructures/1/1/0&+title/desc
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