

Particular attention should be given to impact, dissemination strategy and the appropriate management of the IPR of the involved research infrastructures as well as to the cost efficiency and transparency of project administration. Proposals should enable the best conditions for the full exploitation by industrial partners of the innovation potential of research infrastructures and support technology and innovation transfer and joint development of high-tech products.

Proposals should include clear indicators to monitor and assess the progress towards the action objectives.

Expected Impact: This activity will:

- establish a co-innovation platform to transparently promote the use of research infrastructure technologies for industrial applications across Europe
- increase the capacity to generate, absorb and use new technologies in Europe;
- enhance the innovation capability of European Research Infrastructures;
- raise the awareness of industry (including SMEs) regarding opportunities offered by research infrastructure to improve their products, e.g. as experimental test facilities, innovation hubs, knowledge-based centres;
- support the integration of research infrastructures into local, regional and global innovation systems;
- when applicable, the socio-economic impact of past investments in research infrastructures from the European Structural and Investment Funds is enhanced.

Scope: Funding will be provided to research infrastructure networks to kick-start the implementation of a common strategy/roadmap for technological developments required for improving their services through partnership with industry. Proposals should then involve research infrastructures, industry and SMEs to promote innovation and knowledge sharing through co-creation of needed technical solutions and make use, when appropriate, of large-scale platforms combining R&D (Research and Development), integration and validation for the technological developments.

Proposals should address:

- if not already done, the identification of key techniques and trends which are crucial for future construction and upgrade of the involved Research Infrastructures and the definition of roadmaps and/or strategic agendas for their development, in close partnership with the industrial partners, especially with innovative SMEs;
- the development of the identified fundamental technologies or techniques underpinning and arising from the efficient and joint use of the involved research infrastructures, taking into due account resource efficiency and environmental (including climate-related) impacts.
- the prototyping of higher performance methodologies, protocols, and instrumentation, including the testing of components, subsystems, materials, and dedicated software, needed to upgrade the involved research infrastructures, construct their next generation, or develop new advanced applications.

As the grant will not cover the full implementation of the common strategy/roadmap for technological developments, proposals should define a sustainability plan for its further implementation. Proposals should contribute to fostering the potential for innovation of

research infrastructures by reinforcing the partnership with industry, through e.g. transfer of knowledge and other dissemination activities, activities to promote the use of research infrastructures by industrial researchers, involvement of industrial associations in consortia or in advisory bodies.

This topic targets 'Advanced Communities' which have reached a high level of integration and can focus on joint research developments. On the basis of a multiannual plan drafted taking also into account the assessment and the timing of previous grants, this work programme invites proposals addressing the following three domains:

- Innovation in light source technologies
- Innovation in detector technologies for accelerators
- Innovation in accelerator technologies

Expected Impact: This activity will:

- Enhance the scientific competitiveness of European Research Infrastructures in the long-term and the further development of innovative companies;
- Facilitate the creation of both large and viable markets and structuring industrial partners in a critical mass to enable European industry to respond to demands from international Research Infrastructures;
- Support the integration of research infrastructures into local, regional and global innovation systems.