

STRONG-2020



Annual Meeting

Governing Board Meeting

Barbara Erazmus (CNRS, Subatech)

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- **Preparation of the last Annual Meeting and Workshop
“Present and future perspectives in Hadron Physics”**
 - **Hadron Physics in Horizon Europe**

Upcoming events

Workshop “Present and future perspectives in Hadron Physics”

- Will be organized on 17-19 June 2024 in Frascati, Italy
- Executive and Dissemination Boards as organizing Committee
- Local organizing Committee headed by Catalina Curceanu
- The idea is to gather a broad Hadron Physics Community actors, especially external speakers
- Possibility of introducing events like Public lectures organized by DISCO (can be consulted on the STRONG-2020 web page [here](#))
- List of speakers and detailed scientific program are under construction: will be provided soon

Upcoming events

Last Annual Meeting of STRONG-2020

- Will be organized on 20-21 June 2014 in Frascati, Italy
- Classic Annual Meeting format with a review of the activities of all WPs during the whole project
- Preparation of the last report: discussion of details
- Discussion of the Consortium future and possible perspectives of another project in the frame of Horizon Europe

Future Perspectives: Horizon Europe

Pillar 1 Excellent Science

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures
EUR 2,4 bn

Pillar 2 Global Challenges and European Industrial Competitiveness

- Clusters
- Health
 - Culture, Creativity and Inclusive Society
 - Civil Security for Society
 - Digital, Industry and Space
 - Climate, Energy and Mobility
 - Food, Bioeconomy, Natural Resources, Agriculture and Environment
- Joint Research Centre

Pillar 3 Innovative Europe

European Innovation Council

European innovation
ecosystems

European Institute of Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

Future Perspectives: RIs Work Programmes

Work Programme 2021-2022

- Number of calls: 29
- Number of selected projects: 68
- Total budget for selected projects (EUR million): 425.56

Work Programme 2023-2024

- Number of calls: 30
- Number of selected projects: not available yet
- Total budget for selected projects (EUR million): 569 (TBC)

• Context

- Research Infrastructures (RIs) are key players in the generation of fundamental knowledge and drivers of scientific excellence in Europe, enabling the advancement of frontier knowledge in areas complementary to those addressed through a challenge driven approach

Future Perspectives: RIs calls destinations

INFRADEV

Developing, consolidating and optimizing European RIs landscape, maintaining global leadership

INFRA SERV

RI services to support health research, accelerate the green and digital transformation, and advance frontier knowledge

INFRA TECH

Next generation of scientific instrumentation, tools and methods and advanced digital solutions

INFRAEOSC

Enabling an operational, open and FAIR EOSC ecosystem

INFRA NET

Network connectivity enabler for collaboration without boundaries

Future Perspectives: RIs in Horizon Europe

Research infrastructure services advancing frontier knowledge (INFRASERV)


- This topic aims at providing trans-national access (on-site or remote) and/or virtual access to integrated and customised RI services for curiosity-driven research in wide scientific domains, offered by a wide range of complementary and interdisciplinary top level research infrastructures.
- This includes ad hoc users' training and scientific and technical support; limited development of new services; data management, interoperability, EOSC, global standards...
- The scientific domains called under this topic are defined for each Work Programme
- Work Programme 2025-2027: the programme is still under construction and scientific areas to be included will be known in spring/summer 2024 (TBC)

More details about the Research Infrastructures in Horizon Europe can be found [here](#)

INFRASERV Framework

- **Transnational Access** (ESFRI and emerging infrastructures)
- **Virtual Access**
- **Scientific services :**
 - ✓ Enable joint research activities improving RI services
(to a larger extent compared to 2021-2024 WP)
 - ✓ Further evolve and improve networks and network services interconnecting researchers, data and computing resources
 - ✓ Support in data analysis and curation
 - ✓ Encourage innovation, collaboration with industry and applications
 - ✓ Reinforce support for young researchers and attract talents in Europe

Hadron Physics in Horizon Europe



The research in the field of hadron physics addresses fundamental questions, such as the nature of confinement, the origin of exotic hadronic states and the properties of hot and dense nuclear matter. Those studies have a deep impact on the searches beyond the standard model, in astrophysics and strongly coupled systems as well as in particle and condensed matter physics.

The hadron physics community is leading, in the frame of the STRONG-2020 project (H2020-INFRAIA), a coherent effort of theoretical and experimental groups complemented with challenging high-technology developments in instrumentation and industrial applications.

The Consortium, involving 2000 scientists from 16 European countries, plans to build a new infrastructure initiative taking benefit from the Horizon Europe framework. We propose to extend the scope of the network, beyond the successful results already obtained, and to further federate leading hadron physics groups carrying out new challenging fundamental, instrumentation and applied research studies through accelerator collisions.

The objective is to support transnational access to major world-class European facilities: two ESFRI landmarks (FAIR and CERN), emerging infrastructures (MAMI and MESA from the excellence cluster in Germany) and LNF Frascati and ECT* in Italy.

Virtual open-access to state-of-the-art computer codes will be provided for the high-precision studies of hadron physics.

Hadron Physics in Horizon Europe

Topic submitted to the EU Programme Committee by the French Ministry with strong support of IN2P3, CEA, NuPECC, Germany, Italy and Spain.

Involvement of other members of the Consortium is welcome.

If approved and included in the Work Programme 2025-2027

- discussions with EU and preparation of a new project
by **Steering Committee**