



EUROPEAN UNION

#HorizonEU

HORIZON EUROPE

THE EU RESEARCH & INNOVATION
PROGRAMME 2021 - 2027

Infraestructuras de investigación

Webinario convocatorias extraordinarias COVID-19, 13.04.2021

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Summary

Programme Part	Name of the call	Total Budget	Project Size
HEALTH	Vaccines & therapeutic clinical trials to boost COVID-19 prevention and treatment	60 M€	3-10 M€
HEALTH	Cohorts united against COVID-19 variants of concern	30 M€	7-10 M€
RI	FAIR and open data sharing in support to European preparedness for COVID-19 and other infectious diseases	12 M€	12 M€
RI	Research infrastructure services for rapid research responses to COVID-19 and other infectious disease epidemics	21 M€	21 M€

Type of Action: Research and Innovation Action (RIA) - Single stage

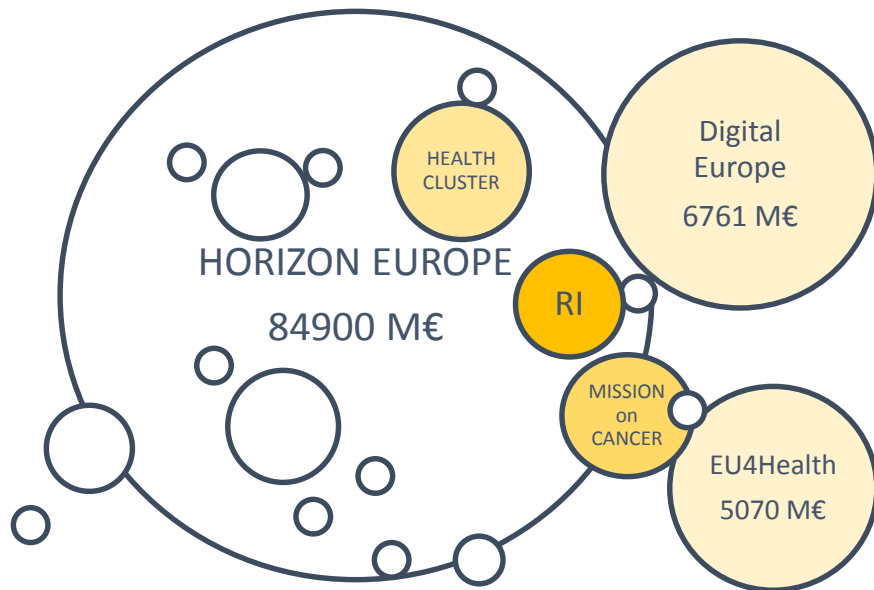
1 Project per topic to be funded

Open Date: 13th of April

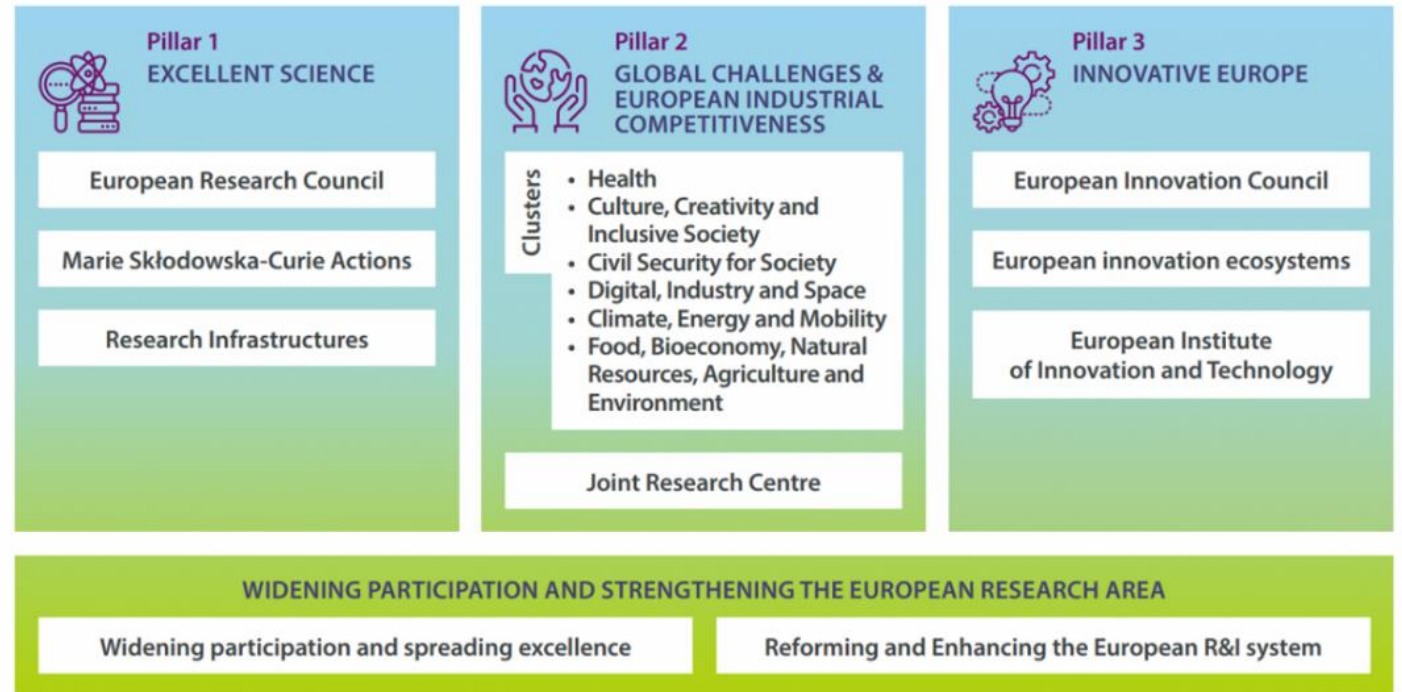
Deadline: 6th of May



Research Infrastructures within Horizon Europe



THREE PILLARS FOR IMPLEMENTATION



FAIR and open data sharing in support to European preparedness for COVID-19 and other infectious diseases

HORIZON-INFRA-2021-EMERGENCY-01

FAIR and open data sharing in support to European preparedness for COVID-19 and other infectious diseases

Scope/Expected Outcome

- Respond to the COVID-19 pandemic and prepare Europe for future pandemics
- Enable researchers, health care professionals and society at large to share, access, process and reuse research data and other digital objects across disciplines and national borders
- Integrate data and metadata on SARS-CoV-2 and COVID-19, through the European COVID-19 Data Platform, the Versatile Emerging infectious disease Observatory (VEO) and other relevant initiatives
- Emphasis is placed on identifying and tracking new SARS-CoV-2 variants and creating appropriate links with serology and other host data
- Expand scope to cover other relevant infectious diseases, and incorporate clinical epidemiological and socio-economic data, spanning from molecular biology to other disciplines, including social sciences and humanities
- Domain specific solutions from the project should feed into established international initiatives, paying attention to the harmonization and management of metadata and sample identifiers to ensure interoperability of national and regional efforts in the EOSC ecosystem

FAIR and open data sharing in support to European preparedness for COVID-19 and other infectious diseases

Expected impact (*one or several*)

- Catalyse and accelerate research advances to combat the COVID-19 pandemic and prepare for future outbreaks
- Enhanced pandemic and outbreak preparedness, including tracking genomic variations of SARS-CoV-2, linking genomic and clinical data to inform public health action
- Improved timeliness, better quality and better integration of research outputs and public health policy
- Improved trust in science through increased FAIRness, openness and quality of scientific research in Europe

Additional sub-criterion for *Impact*:

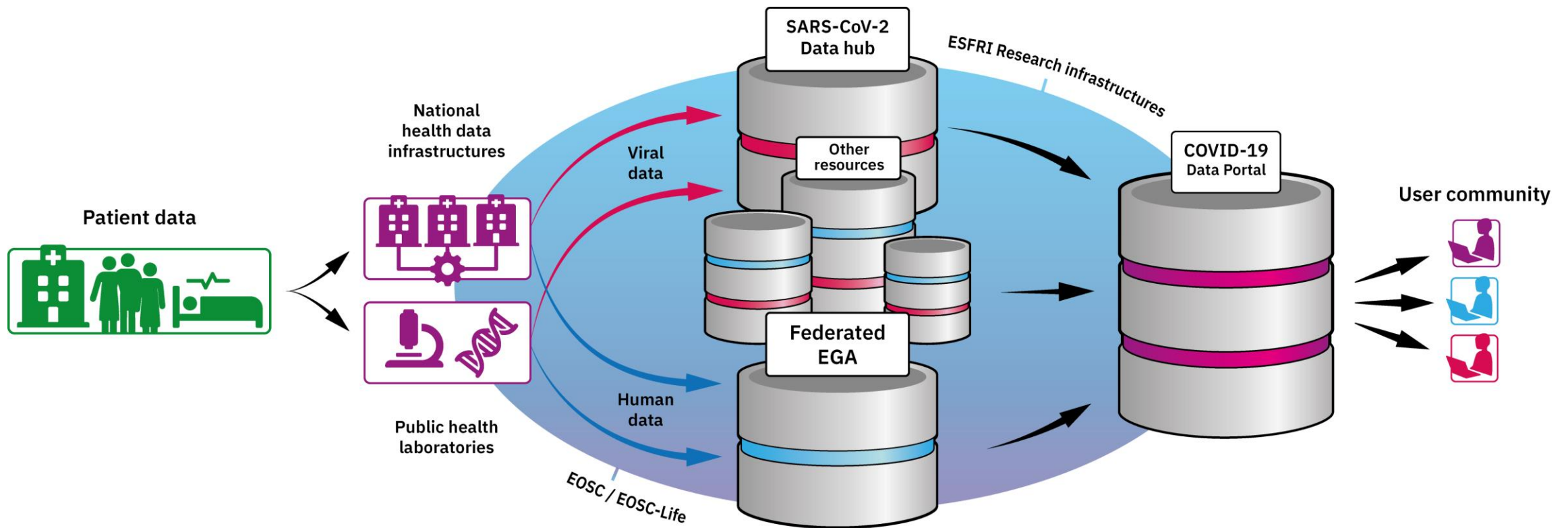
- The extent to which the proposed work incorporates the necessary resources and efforts to coordinate with other relevant projects and the EOSC governance structure in the context of the EOSC Partnership.

Additional guidance and conditions

- Coordination with other relevant projects and the EOSC governance structure in the context of the upcoming EOSC Partnership
- Establish synergies with the European Health Data Space as well as relevant initiatives under Digital Europe
- Build on the European COVID-19 Data Platform and support the creation of national and regional structures to further enhance genomic surveillance and rapid-response capabilities

The European COVID-19 Data Portal

<https://www.covid19dataportal.org/>



FAIR and open data sharing in support to European preparedness for COVID-19 and other infectious diseases

- All software developed under this action should be open source, licensed under a CC0 public domain dedication or under an open source license as recommended by the Free Software Foundation and the Open Source Initiative.
- This action seeks to address the challenges linked to the COVID-19 variants. As such, the granting authority hereby requests activation of the public emergency provisions, meaning that the beneficiaries must comply with the public emergency related provisions listed in the General Annexes concerning the project implementation under - Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5) for the duration of the pandemic; and under Communication, dissemination, open science and visibility (article 17 and Annex 5) during the entire duration of the action and for four years after the end of the action.

Research infrastructure services for rapid research responses to COVID-19 and other infectious disease epidemics

HORIZON-INFRA-2021-EMERGENCY-02

Research infrastructure services for rapid research responses to COVID-19 and other infectious disease epidemics

Scope / Outcomes

- Integrated portfolio of pertinent research infrastructure services to support research in response to infectious disease epidemics
- Immediate challenge: target new SARS-Cov-2 variants under current COVID-19 pandemic
- Access to support services towards new/adapted prevention and/or intervention tools and measures (diagnostic procedures, therapies, drugs, vaccines, disease management, vector control, and public health, socio-behavioural & socio-economic research)
- Priority on SARS-Cov2 virus variants but portfolio of relevant services to be available to understand and respond to infectious diseases epidemics in general
- Collaboration with epidemics risk assessment and/or management bodies like ECDC, WHO, others incl. EU-HERA
- Collaboration with relevant data infrastructures like EOSC, European COVID-19 data platform, PHIRI

Research infrastructure services for rapid research responses to COVID-19 and other infectious disease epidemics

Expected impacts

- enhance EU capacity to identify & characterise/mitigate effects of new SARS-Cov2 variants
- enhance EU capacity for fast research responses to tackle future infectious diseases epidemics
- reinforced EU research infrastructures to support excellent research on societal challenges
- access to the best research infrastructures to enable new discoveries and breakthroughs
- new generation of researchers trained to use advanced research tools and methodologies

Additional guidance and conditions

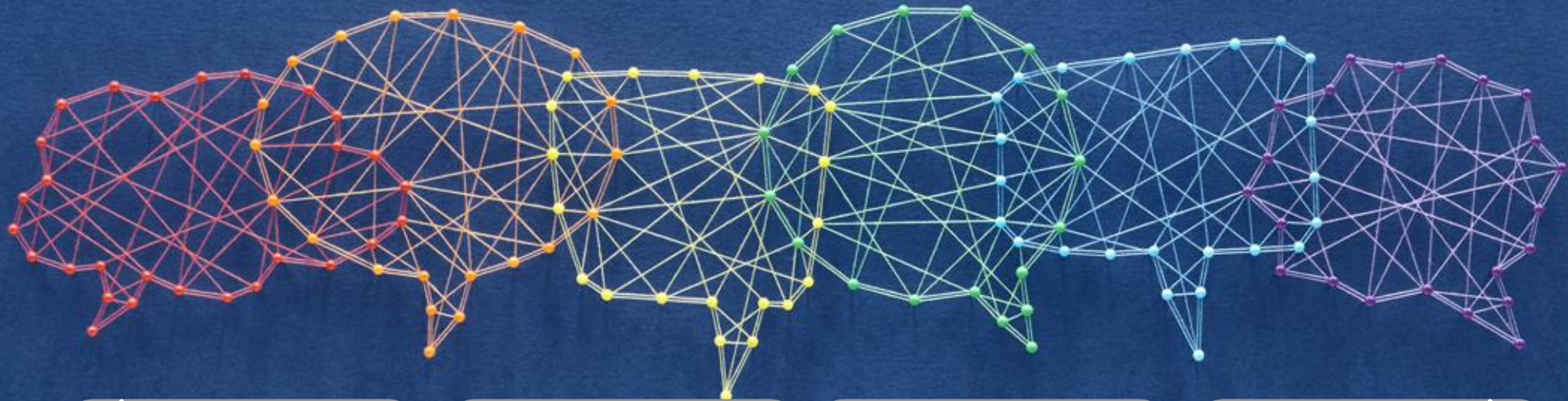
- Alignment with epidemics assessment/control bodies (ECDC, WHO, national bodies)
- One Health concept
- Integration with social sciences
- for specific provisions for access see “Specific features for Research Infrastructures”

Research infrastructure services for rapid research responses to COVID-19 and other infectious disease epidemics

- For the 'Excellence' criterion, in addition to its standard sub-criteria, the following aspects will also be taken into account:
 - The extent to which the access activities (trans-national and/or virtual access) will offer access to the state-of-the-art infrastructures of European interest in the field, high quality services, and will enable users to conduct excellent research.
 - The extent to which the project will contribute to facilitating and integrating the access procedures, to improve the services the infrastructures provide and to further develop their on-line services.

Final Message

- Comprehensive rapid answer to emerging variants. Lay the seed for a portfolio of services for future
- Results, publications and data. Need for OPEN SCIENCE
- RI have already offered critical services
- Build on the success of the COVID-19 Platform and prepare Europe for future epidemics.
- Expect of cooperation between the two topics.
- Best RI capabilities at the service of pandemics (& future)
- **NCPs to help and ask EC when needed**



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