

Coronavirus Global Response

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May 2020

EUR 1 BILLION MOBILISED UNDER HORIZON 2020

KEY MESSAGES

To help reach the objectives of the Coronavirus Global Response, EUR 1 billion will be mobilised under the EU's flagship programme for research and innovation, Horizon 2020.

The EUR 1 billion from Horizon 2020 can be broken down in:

- **EUR 450 million** for developing scientific solutions for testing, treating and preventing against the coronavirus and developing health systems
- **EUR 400 million** EC guarantee of the European Investment Bank lending to finance pre-commercial stage investments in COVID-19 research and development (including scale up of production facilities)
- **EUR 150 million** for disruptive innovations on COVID-19 under the European Innovation Council's Accelerator

BACKGROUND

The Commission has been launching several specific Research and Innovation (R&I) actions through Horizon 2020 since the beginning of the current crisis. These actions address epidemiology, preparedness and response to outbreaks, the development of diagnostics, treatments and vaccines, as well as the infrastructures and resources that enable these R&I activities. In order to accelerate the development of vaccines, new treatments, diagnostic tests and reinforce medical systems in the fight against the coronavirus, it is important to further step up the mobilisation of funds under Horizon 2020 in order to contribute to the Global Response pledging marathon launched on 4 May 2020.

The table below gives a complete overview of all allocated and planned funding available under Horizon 2020 to contribute to the Coronavirus Global Response pledging marathon. In total, **EUR 1 billion** is pledged under Horizon 2020.



Since January 2020 a total of EUR 352 million has already been mobilised under Horizon 2020. These actions include:

- EUR 48.2 million for 18 new research projects to advance the understanding of the novel coronavirus epidemic, contribute to more efficient clinical management of patients infected with the virus, as well as public health preparedness and response. The projects, which involve 151 research teams from across Europe and beyond, have started working on developing diagnostic tests, treatments and vaccines, as well as improving preparedness and response.
- A contribution of EUR 50 million to the Coalition for Epidemic Preparedness Innovations (CEPI) during 2020 was already foreseen in the Horizon 2020 work programme 2018-2020, adopted in July 2019.
- Horizon 2020 is contributing EUR 25.25 million to the European and Developing Countries Clinical Trials Partnership (EDCTP), which brings together the EU, 16 African and 14 European countries to fund research to combat infectious diseases in sub-Saharan Africa.
- The Innovative Medicines Initiative (IMI), a public-private partnership between the EU and the pharmaceutical industry, received EUR 72 million to support research projects to develop treatments and diagnostics for COVID-19 and to increase preparedness for future possible outbreaks. The pharmaceutical industry, IMI Associated Partners and other organisations will provide €45 million, bringing the total investment to € 117 million.
- The Health Knowledge Innovation Community (KIC) of the European Institute of Innovation and Technology (EIT) mobilised EUR 6.99 million for COVID-19 actions.
- The European Innovation Council (EIC) Pilot's EIC Accelerator March cut-off, received an additional EUR 150 million, which will be allocated fully to COVID-19 related applications.



The key novel actions, in addition to the EUR 352 million already mobilised, include:

- An additional **EUR 400 million** under **Access to Risk Finance for InnovFin Infectious Diseases Financial Facility**, implemented by the European Investment Bank (EIB). This will enable the EIB to fund pre-commercial stage investments in the area of infectious diseases.
- Following the successful call for expression of interest for research and innovation to address the COVID-19 pandemic, an additional **EUR 172 million** will enable the extension of current COVID-19 related projects. These include clinical trials and funding of further research projects in areas not already covered such as: cohorts of patients to better understand why some people show symptoms and others not and why patients react differently to treatment; better preparedness of industry, in particular SMEs, to deliver crucial medical and protective equipment; mental health problems associated with the crisis situation and lockdown measures; or e-Health to tackle COVID-19.

- Furthermore, the budget for supporting the **Coalition for Epidemic Preparedness and Innovations** is proposed to increase by EUR 50 million (from EUR 50 million to EUR 100 million), to develop medical countermeasures (notably vaccines).
- An additional budget under Horizon 2020 of **EUR 32.5 million** for **Marie Skłodowska-Curie Actions** - Individual Fellowships will be dedicated to funding the mobility of researchers working on issues related to the coronavirus crisis.
- An additional **EUR 15.5 million** under Horizon 2020 will further strengthen **Research Infrastructures** for the COVID-19 public health emergency. This action will aim to set up a Population Health Information Research Infrastructure to collect and make available population health and relevant non-health data in Member States and at EU level that can support research and policy decisions regarding the COVID-19 public health crisis. It should form a cornerstone of the emerging European Health Data Space, properly connect with and contribute to the EU COVID-19 Data Platform, and build on the EU Member States Joint Action on Health Information (INFACT).
- Furthermore, an additional **EUR 3.5 million** will increase the budget of a project which is already underway for the deployment of **innovative robotics solutions in healthcare** under 'Leadership in Enabling and Industrial Technologies - ICT'. The specific focus of this action will be to award additional funding to the on-going project 'DIH-HERO: Digital Innovation Hubs in Healthcare Robotics'. The project will redistribute most of the additional funding through financial support to third parties (technology providers, integrators, healthcare stakeholders such as hospitals, care homes, healthcare professionals, and the necessary intermediaries), following open calls, to demonstrate various use-cases and solutions, showing how robotics can address the needs from the healthcare sector.
- Finally, the European Institute of Innovation and Technology (EIT) Health Knowledge Innovation Community (KIC) will mobilise an additional **EUR 1 million** for COVID-19 actions.



The additional EUR 675 million will be funded through internal budget redeployment within Horizon 2020 (using budget not yet allocated in the Horizon 2020 work programmes and reflows from financial instruments). They will be subject to a further amendment of the Horizon 2020 work programme to be adopted by the Commission by the end of May.



Horizon 2020 for the Coronavirus Global Response pledging event

EUR million

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| Innovative Medicines Initiative (IMI) Public-Private Partnership between the EU and the pharmaceutical industry | 72.00 |
| European and Developing Countries Clinical Trials (EDCTP) Public-Private Partnership focusing on infectious diseases research in sub-Saharan Africa | 25.25 |
| Contribution to CEPI | 100.00 |
| Marie Skłodowska-Curie Actions MSCA COVID-19 related applications | 32.50 |
| New Health-related Research & Innovation dedicated call of March 2020 - 18 projects | 48.20 |
| Reinforcement of <i>InnovFin Infection Diseases Financial Facility (IDFF)</i> EUR 400 million are composed of EUR 80 million already allocated (CureVac AG) + EUR 250 million of reflows + EUR 20 million of remaining available budget already committed under IDFF + an additional EUR 50.1 million from internal redeployment for the InnovFin IDFF | 400.10 |
| Societal Challenge 1 (Health) - Second call for Expression of Interests on innovative , rapid solutions to contain and mitigate the outbreak and a huge need to better care for patients, survivors, frontline (health) care staff and communities | 122.00 |
| Societal Challenge 1 (Health) Extension activities COVID-19 related projects including clinical trials | 50.00 |
| Infrastructure and Data sharing EU COVID-19 platform (top up and re-orientation of on-going grants) Public Health Information Research Infrastructure | 15.50 |
| Leadership in Enabling and Industrial Technologies - ICT Support for the deployment of innovative robotics solutions in healthcare | 3.50 |
| European Institute of Innovation and Technology (EIT) Health 2020 COVID-19 Rapid Response Call and Extension for Headstart Call with focus on Digital Health solutions with a minimum TRL of 8 and direct impact on the current crisis | 7.99 |
| European Innovation Council (EIC) Accelerator pilot Start-up companies and SMEs with relevant innovations had been alerted to the possibility of applying to the March bottom-up call for proposals. Additional budget of EUR 150 million (from internal redeployment) specifically allocated for the best COVID-19 related proposals | 150.00 |
| TOTAL HORIZON 2020 | 1 027.04 |