

Horizon Europe Programme

Horizon Europe will be the EU's next Framework Programme for Research and Innovation that will replace Horizon 2020. It will run from 2021 to 2027 with a proposed budget of €100 billion. Set to launch in 2021, Horizon Europe will build on the achievements and success of Horizon 2020, bridging the past and the future of research and innovation in Europe.

It has a slightly different structure than its predecessor and a larger budget (the European Commission is proposing a total budget of €100 billion for 2021-2027). In keeping with the design of its predecessor, Horizon Europe is divided into three main pillars:

- Excellent Science;
- Global Challenges;
- European Industrial Competitiveness.

While Horizon 2020 was structured around seven main Societal Challenges, Horizon Europe identifies five overarching Global Challenges for action: Health, Inclusive and Secure Society, Digital and Industry, Climate, Energy, and Mobility and last but not least Food and Natural Resources. At the same time, Horizon Europe will continue to drive Europe's scientific excellence through the European Research Council (ERC) and the Marie Skłodowska-Curie fellowships and exchanges and draw on the scientific advice, technical support and dedicated research of the Joint Research Centre (JRC). It will also add a new level of ambition and boost the scientific, economic and societal impact of EU funding.

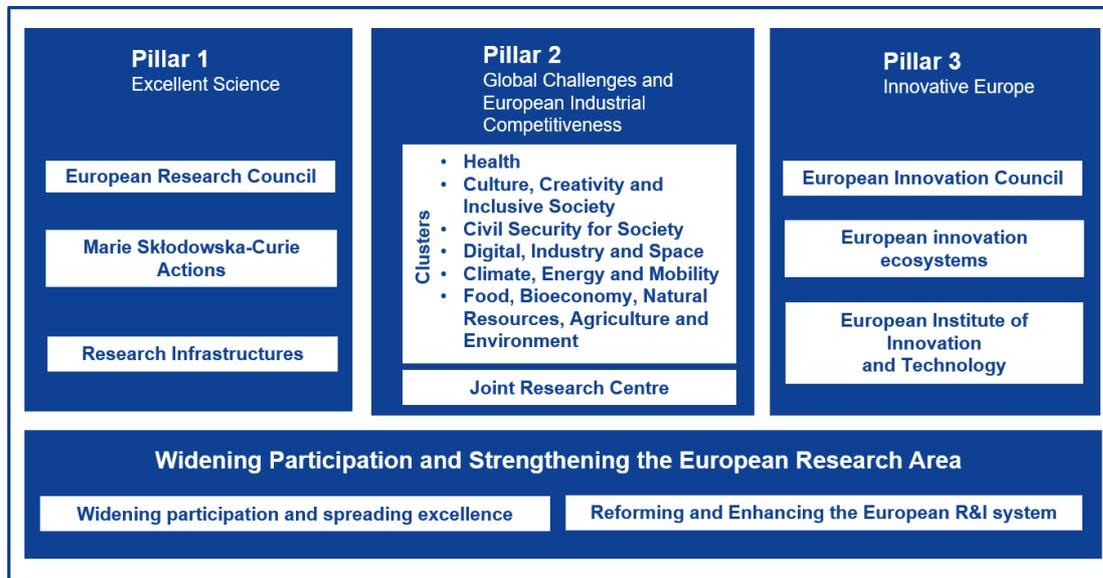
Horizon Europe will also introduce several new main features:

- A European Innovation Council (EIC) to help the EU become a frontrunner in market-creating innovation;
- New EU-wide research and innovation missions focusing on societal challenges and industrial competitiveness;
- Maximising the innovation potential across the EU;
- The principle of 'open science' that will require open access to publications and data;
- A new generation of European Partnerships and increased collaboration with other EU programmes.

The 2021-2027 programme will also have five mission areas: adaptation to climate change including societal transformation, cancer, climate-neutral and smart cities, healthy oceans, seas, coastal and inland waters, soil health and food. Each mission will have a dedicated mission board and assembly.

Horizon Europe also aims at creating a new generation of European Partnerships and increasing their effectiveness and impact, by regrouping the current landscape into three new types of partnerships (co-funded, coprogrammed, institutionalised) and rationalising the overall number of initiatives.

Horizon Europe Programme



(The preliminary structure of Horizon Europe, https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme_en)

GEOHERMAL ENERGY PROJECTS

Horizon 2020 supports 24 geothermal energy projects, corresponding to the financial contribution of a total of €173 million: 12 are Research and Innovation Action (RIA) focused, 9 of them are focused on the Innovation and Action (IA) and 3 projects are fitted under Coordination and Support Action (CSA). Out of 24 projects, 17 are ongoing (of which 3 new ones), and 7 are finished.

Geothermal energy projects are also be eligible to call for projects that are not directly related to the energy field. For example, the “Leadership in enabling and industrial technologies” WP or in the “nanotechnology” one. The current Horizon 2020 awards support in the form of grants through competitive bids for tenders for each project.