European Commission

EUROPEAN GREEN DEAL
RESEARCH & INNOVATION CALL

October 2021

€1 billion
to accelerate a just and sustainable transition

With the last call under Horizon 2020, the European Commission is investing in 73 projects that will contribute to accelerating a just and sustainable transition to a climate-neutral Europe by 2050.

Innovation bringing concrete solutions to Europeans

Research & Innovation can provide solutions to respond to the climate crisis, provide more protection to Europe's biodiversity and habitats under threat, and accelerate a sustainable socio-economic recovery, leaving no one behind. The projects selected for funding aim to deliver tangible results in the short- to medium-term. They focus on rapid scalability, dissemination and uptake to bring concrete benefits to Europeans in their daily life.

An enthusiastic response of the research community

The Horizon 2020 Green Deal Call, which opened on 17 September 2020 and closed on 27 January 2021, confirmed the readiness of the research community to take on the challenges at hand with an impact focussed approach.

1550 proposals submitted

28,000 participants from over 100 countries around the globe

> I'm grateful to the research community for their enthusiastic response to the Horizon 2020 European Green Deal call. I am excited to see how they are embarking on the road to invent concrete solutions for a transition to a climate-neutral society and a sustainable recovery. I'm looking forward to see what concrete benefits the projects selected for funding will bring into the everyday life of Europeans

Mariya Gabriel, EU Commissioner for Innovation, Research, Culture, Education and Youth

Research and Innovation

PROJECTS IN THE SPOTLIGHT

MERLIN

Coordinator

Consortium

Freshwaters ecosystems in Europe are under threat, as recent droughts and floods in Europe show. Their capacity to deliver ecosystem services shrinks as their biodiversity declines dramatically. The project looks at restoration actions, which can significantly help our mitigation and adaptation efforts, across Europe with the aim to replicate best practices elsewhere and to identify areas with high potential for freshwater restoration.

SchoolFood4Change

Coordinator

Consortium

This project looks at creating a shift towards more sustainable and healthier school meals by engaging with multiple stakeholders (incl. cooks, teachers, children) and addressing at the same time territorial, social and environmental resilience

STARGATE

Coordinator

Consortium

As travel resume, the project addresses a growing concern: how to make travel by air more sustainable. The project, led by Brussels Airport, aims to create green airports as multimodal hubs for sustainable and smart mobility, while strengthening the competitiveness of the European air transport sector.

REFHYNE II

Coordinator

Consortium

The project will install a 100MW PEM electrolyser at Rheinland refinery in Cologne, Germany, using renewable power to produce green hydrogen and oxygen, which will be fed into the existing refinery networks to decarbonise refinery operations. It will demonstrate the potential of 100MW electrolysers to decarbonise the operations of refineries and other industrial sites.

FIRE-RES

Coordinator

Consortium

Extreme wildfires are ravaging not only Southern Europe, but increasingly also Central, Eastern and Northern Europe. The population exposed to this threat increases as well as the severity of extreme wildfire events (EWE) as the climate becomes more and more conducive to such events. The aim of the project is to predict, fend off and manage EWE with innovative processes and technologies.

Top countries involved in projects selected for funding

EU countries: **Spain** and **Italy**, followed by **Germany**, **Netherlands**, **Belgium** and **France**.

EU-13 countries: **Poland**, **Romania** and **Estonia**.

Associated Countries: **Norway**, **Switzerland** and **Israel**.

Third countries: 55 participants from **African countries** plus 18 participants from another 13 countries.

Browse EU-funded research & innovation projects *on CORDIS*
Horizon 2020: European Green Deal Call factsheet

Publications Office
of the European Union