

The European Green Deal Call

#EUGreenDeal

The European Green Deal

Climate change and environmental degradation present an existential threat to Europe and the world. To overcome this challenge, Europe has a new growth strategy that aims to transform the Union into a modern, resource-efficient and competitive economy.

The EU will:



Become climate-neutral by 2050



Protect human life, animals and plants, by cutting pollution



Help companies become world leaders in clean products and technologies



Help ensure a just and inclusive transition

Research and innovation will play a central role in accelerating and navigating the necessary transitions; deploying, demonstrating and de-risking solutions; engaging citizens in social innovation.

The European Green Deal call (submission deadline – 26 January 2021)

To respond to the urgency and ambition of the European Green Deal objectives, EU's Framework Programme for Research and Innovation Horizon 2020 will support additional Green Deal related research and innovation with a call worth close to €1 billion.



- ∅ The Green Deal call will mobilise research and innovation to foster a just and sustainable societal transition aiming at 'leaving nobody behind'.
- ∅ Projects are expected to deliver tangible and visible results relatively quickly and show how research and innovation can provide concrete solutions for the Green Deal main priorities.
- ∅ In addition to technological development and demonstration, the call encourages experimentation and social innovation for new ways to engage civil society and empower citizens.

In line with Horizon 2020 general openness principle, the call is open for participation to non-EU researchers

Several topics may be of particular interest to Russian researchers, such as:



Preventing and fighting extreme wildfires

Russia's forests account for ~25 per cent of the world's entire forest resources. They absorb around 36% of country's annual carbon emissions. Over 10 million hectares of forest in Russia were destroyed by wildfires in 2019.

Towards climate-neutral and socially innovative cities

The share of urban population in Russia is similar to that in the EU (~74.5%¹). Moscow has joined the C40 Alliance, a network of mega-cities committed to addressing the climate change problem.



Clean, affordable and secure energy

Russia aims to be among the leading hydrogen players thanks to large reserves of fresh water; excesses of power generation capacity and potential for building more; proximity to potential consumers (EU, Japan, China), as well as the availability of a functioning transportation infrastructure.

¹ In 2018, World Bank Development Indicators

Structure of the Green Deal call (with indicative budgets)

Area 1: Increasing Climate Ambition: Cross sectoral challenges

- ✓ Preventing and fighting extreme wildfires with the integration and demonstration of innovative means (€75mIn)
- ✓ Towards Climate-Neutral and Socially Innovative Cities (€53mIn)
- ✓ Climate-resilient Innovation Packages for EU regions (€45mIn)

Area 2: Clean, affordable and secure energy

- ✓ Innovative land-based and offshore renewable energy technologies and their integration into the energy system (€86mIn)
- ✓ Develop and demonstrate a 100 MW electrolyser upscaling the link between renewables and commercial/industrial applications (€60mIn)

Area 3: Industry for a clean and circular economy

- ✓ Closing the industrial carbon cycle to combat climate change - Industrial feasibility of catalytic routes for sustainable alternatives to fossil resources (€80mIn)
- ✓ Demonstration of systemic solutions for the territorial deployment of the circular economy (€60mIn)

Area 4: Energy and resource efficient buildings

- ✓ Building and renovating in an energy and resource efficient way (€60mIn)

Area 5: Sustainable and smart mobility

- ✓ Green airports and ports as multimodal hubs for sustainable and smart mobility (€100mIn)

Area 6: Farm to Fork

- ✓ Testing and demonstrating systemic innovations in support of the Farm-to-Fork Strategy (€74mIn)

Area 7: Biodiversity and ecosystem services

- ✓ Restoring biodiversity and ecosystem services (€80mIn)

Area 8: Zero-pollution, toxic free environment

- ✓ Innovative, systemic zero-pollution solutions to protect health, environment and natural resources from persistent and mobile chemicals (€40mIn)
- ✓ Fostering regulatory science to address combined exposures to industrial chemicals and pharmaceuticals: from science to evidence-based policies (€20mIn)

Area 9: Strengthening our knowledge in support of the EGD

- ✓ European Research Infrastructures capacities and services to address European Green Deal challenges (€28mIn)
- ✓ Developing end-user products and services for all stakeholders and citizens supporting climate adaptation and mitigation (€25mIn)
- ✓ Transparent & Accessible Seas and Oceans: Towards a Digital Twin of the Ocean (€12mIn)

Area 10: Empowering citizens for the transition towards a climate neutral, sustainable Europe

- ✓ European capacities for citizen deliberation and participation for the Green Deal (€10mIn)
- ✓ Behavioural, social and cultural change for the Green Deal (€10mIn)
- ✓ Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement (€25mIn)

Area 11: International cooperation

- ✓ Accelerating the green transition and energy access Partnership with Africa (€40mIn)