



Mission-oriented research & innovation in the European Union grant schemes

EU Mission: Climate change adaptation

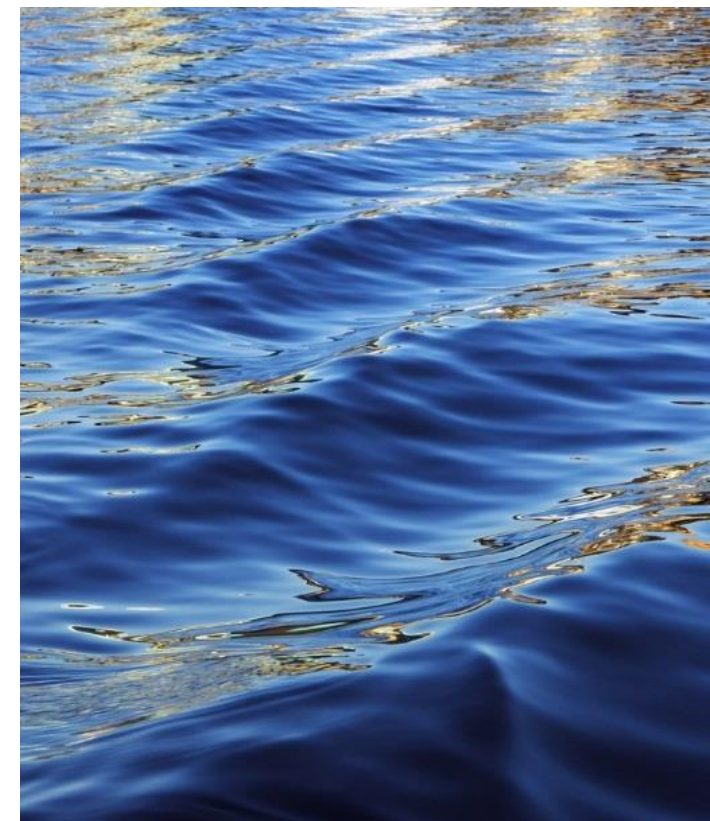
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Content

- The Missions of EU
- EU Adaptation Strategy to Climate Change
- EU Mission: Adaptation to Climate Change
- Funding opportunities: Climate Change Adaptation
- EU Mission: Climate-neutral and smart cities
- Funding opportunities: Climate-Neutral and Smart Cities

The Missions of EU



- EU Missions are a new way to bring concrete solutions to some of our greatest challenges. They have ambitious goals and **will deliver concrete results by 2030**.
- They will deliver impact by putting **research and innovation** into a new role, combined with new forms of governance and collaboration, as well as by engaging citizens.
- EU Missions are a novelty of the Horizon Europe research and innovation programme for the years **2021-2027**.

EU Adaptation Strategy to Climate Change

- The European Commission adopted its **new EU strategy on adaptation to climate change on 24 February 2021**.
- The new strategy sets out how the European Union can adapt to the unavoidable impacts of climate change and **become climate resilient by 2050**.
- The Strategy has **four principle objectives**: to make adaptation smarter, swifter and more systemic, and to step up international action on adaptation to climate change.

Smarter adaptation:

- To use of robust data and risk assessment tools that are available to all – from families building homes, businesses in coastal regions and farmers planning their crops.
- To gather more and better data on climate-related risks and losses, and enhance [Climate-ADAPT](#) as the European platform for adaptation knowledge.

EU Adaptation Strategy to Climate Change

Faster adaptation

- It is important to develop and to roll out adaptation solutions to help reduce climate-related risk, increase climate protection and safeguard the availability of fresh water.

More systemic adaptation

- It will support the further development and implementation of adaptation strategies and plans at all levels of governance with three cross-cutting priorities:
 - integrating adaptation into macro-fiscal policy
 - nature-based solutions for adaptation
 - Local adaptation in action.

Stepping up international action for climate resilience

- The EU will increase support for international climate resilience and preparedness through the provision of resources, by prioritising action and increasing effectiveness, through the **scaling up of international finance and through stronger global engagement and exchanges on adaptation.**

EU Mission: Adaptation to Climate Change

- The **main goal of the Mission Adaptation to Climate Change** is to support at least 150 European regions and communities towards climate resilience by 2030.
- The mission will foster the development of innovative solutions to adapt to climate change and encourage regions, cities and communities to lead the societal transformation.
- Because climate change affects different regions, sectors of the economy and members of society in distinctive ways, the **Mission will engage with the widest range of EU regional and local actors.**
- The participation of Member States, regions and cities will be crucial in the implementation of the Mission as they are key agents of change in **deploying new technologies, experimenting innovative solutions that address local needs, and in leading different stakeholders towards the green transition.** The Mission will also **engage with citizens** by funding projects facilitating their involvement.

Funding opportunities: Climate Change Adaptation

- Horizon Research and Innovation Actions
- Deadline model: single-stage
- Deadline date: 27 September 2022 17:00:00 Brussels time

- Call [HORIZON-MISS-2022-CLIMA-01-01](#): User driven applications and tools for regional and local authorities, and other end users focusing on climate impacts, data and knowledge (indicative budget €6 million)
- Call [HORIZON-MISS-2022-CLIMA-01-02](#): Unlocking of financial resources for investments into climate resilience (indicative budget €6 million)
- Call [HORIZON-MISS-2022-CLIMA-01-03](#): Best practices on and piloting insurance solutions for climate adaptation in EU regions and communities (indicative budget €6 million)

Funding opportunities: Climate Change Adaptation

- Horizon Research and Innovation Actions
- Deadline model: single-stage
- Deadline date: 27 September 2022 17:00:00 Brussels time

- Call [HORIZON-MISS-2022-CLIMA-01-04](#): Transformation of regional economic systems for climate resilience and sustainability (indicative budget €6 million)
- Call [HORIZON-MISS-2022-CLIMA-01-05](#): Boost the sponge function of landscape as a way to improve climate-resilience to water management challenges (indicative budget €3 million)
- Call [HORIZON-MISS-2022-CLIMA-01-06](#): Testing and demonstrating transformative solutions on climate resilience, mainstreaming nature based solutions in the systemic transformation (indicative budget €88.32 million)

Funding opportunities: Climate Change Adaptation

- The Mission aims to get a **wide range of regions and communities** on board and assist them, **alongside their national adaptation strategy**, on their specific journey, whether they are just starting out or are already taking steps towards adaptation to climate risks.
- Research and innovation support will be provided in different ways by:
 - helping European regions and communities better understand, prepare for and manage climate risks and opportunities
 - working with at least 150 European regions and communities to accelerate their transformation toward climate resilience
 - delivering at least 75 large-scale demonstrators of systemic transformations on the ground
- Regions and communities as well as other entities, such as **research institutions or businesses** may endorse the [Charter](#) to declare their support to the Mission.

Funding opportunities: Climate Change Adaptation

- Examples of themes to be addressed through systemic approaches: key community systems like **critical infrastructure, land use and food systems, water management, and health and wellbeing.**
- **Large-scale demonstrators** to be developed as part of the Mission through systemic approach are expected to be examples of breakthrough innovations implemented in real life such as **floodplain restoration, vertical farming, prototyping of insurance approaches, or a 'perfectly adapted' city ready to stand a storm or heatwave.**
- The **Mission will take an inclusive approach** by also involving citizens. Engagement with local stakeholders, such as the civil society, the business community, industry, research organisations, and citizens. To this end, the Mission will help regions organise **citizen assemblies to bring citizen views into the development of the adaptation policy from the outset.**



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EU Mission: Climate-Neutral and Smart Cities



EU Mission: Climate-Neutral and Smart Cities

The importance of climate-neutral and smart cities

- Cities play a pivotal role in **achieving climate neutrality by 2050, the goal of the European Green Deal**. They take up only 4% of the EU's land area, but they are home to 75% of EU citizens. Furthermore, cities consume over 65% of the world's energy and account for more than 70% of global **CO₂** emissions.
- Since **climate mitigation** is heavily dependent on urban action, we need to support cities in accelerating their green and digital transformation. In particular, **European cities** can substantially contribute to the Green Deal target of **reducing emissions by 55% by 2030** and, in more practical terms, to offer cleaner air, safer transport and less congestion and noise to their citizens.

EU Mission: Climate-Neutral and Smart Cities

Aims of the Mission

- The Cities Mission will involve local authorities, citizens, businesses, investors as well as regional and national authorities to
 - Deliver 100 climate-neutral and smart cities by 2030
 - Ensure that these cities act as experimentation and innovation hubs to enable all European cities to follow suit by 2050
- As foreseen in its implementation plan, the Cities Mission takes a cross-sectoral and demand-led approach, creating synergies between existing initiatives and basing its activities on the actual needs of cities.
- Selected [100 Climate Neutral and Smart Cities](#) by 2030.

Funding opportunities: Climate-Neutral and Smart Cities

Aims of the Mission

- Two calls launched so far that contribute to the implementation of the Climate-neutral and Smart Cities Mission by providing support to cities to achieve climate neutrality.
- Actions under these calls will cover a wide range of subjects such as **urban planning and design for climate-neutral cities, sustainable urban mobility, positive and clean energy districts.**
- The **first call** was open 11 January 2022 – 26 April 2022, with an overall indicative budget of EUR 117 million.
- The **second call** was open 28 April 2022 – 6 September 2022, with an indicative budget of EUR 42 million.

Thank you!

Climate resilience starts with equal. There are no completely safe places. There are only places of varying risks and vulnerabilities, and the people's capacity to prepare and adapt.

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