



# Horizon 2020 European Green Deal Call

10.3 - Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement

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**10.3 - Enabling citizens to act on climate change, for sustainable development and environmental protection through education, citizen science, observation initiatives, and civic engagement**

# Specific challenge

- It is essential to directly involve citizens and communities in contributing to climate action and protecting the environment, thereby encouraging them to change their personal behaviour and their mindsets, reducing their carbon and environmental footprint and taking action at the individual and collective level.
- Changes in citizen's and consumer's behaviours towards more sustainable patterns can happen through education, awareness raising, citizen science, observation and monitoring of their environmental impacts, civic engagement and social innovation.
- A strong emphasis is placed on strengthening environmental awareness of the young generation through education and youth engagement.
- Citizen science is a powerful tool for climate action, sustainable development and environmental protection through civic engagement.

# Type of action and budget

- **Type of Action:** Innovation Action
- **Budget:** EUR 25 million
  - The Commission considers that proposals requesting a contribution from the European Union in the range of EUR 3 to 5 million would allow this specific challenge to be addressed appropriately.
  - Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.
- **Other:** Grants will be awarded to proposals according to the ranking list. However, in order to ensure a balanced portfolio of supported actions, at least the highest-ranking proposal per subtopic will be funded, provided it attains all thresholds.

# Scope - Subtopic 1: Enabling citizens to act on climate change and for sustainable development through education

- Build a multidisciplinary European competence framework based on the best available research and the Council Recommendation on Key Competences for lifelong learning.
- Areas of natural science, technology, mathematics, social, personal, entrepreneurial, citizenship and digital competences, etc.
- Participation of scientists (natural scientists, technology specialists, citizen science professionals and SSH researchers), and contributions from non-academic practitioners.
- Demonstration in schools, training institutions and universities, etc.
- Educational activities on nature-based solutions, marine and riverside litter, refurbishment of school buildings, etc.
- Sharing of the educational outcomes between projects.
- Balanced geographical representation of the demo sites.

# Expected impacts - Subtopic 1: Enabling citizens to act on climate change and for sustainable development through education (1)

- A multidisciplinary European competence framework within the context of lifelong learning that will serve as a reference tool for the Member States, the public and private sector, stakeholders, and NGOs to help citizens to become engaged actors.
- The ability to assess the knowledge, skills and attitudes of citizens and in particular young people on climate change, sustainable development and environmental protection.
- Specific educational programmes, school curricula, trainings, networking activities and exchange of good practices.
- The large participation of pupils and students, supported by scientists, educators and practitioners, in intergenerational dialogues.

# Expected impacts - Subtopic 1: Enabling citizens to act on climate change and for sustainable development through education (2)

- Enhanced engagement of the wider community, including with the use of digital media, by undertaking consultations, testing and implementation of this framework in schools, universities, training institutions, municipalities, public authorities in cooperation with the private sector, teachers, trainers, students, pupils, parents.
- The broad testing, dissemination and use of the European competence framework at concrete demonstration sites (e.g. in schools, universities and identified education communities) and in innovative activities (e.g. incubators for citizen participation, informal youth city councils, use of social media and digital tools...).

## **Scope** — Subtopic 2: Enabling citizens to act on climate change and for sustainable development through better monitoring and observing of the environment and their environmental impacts

- Raise awareness, engage and empower citizens and consumers with concrete tools to monitor their impacts on the environment.
- Collection of information by citizens enabling them to change their behaviour and to reduce their personal carbon and environmental footprint as user and consumer.
- Actions should include the development and/or improvement of devices including low-cost sensors (e.g. in wearables) and consumer apps (one of them with robust carbon footprint calculations).
- Projects should be conducted on a broad scale, i.e. in cooperation with existing initiatives and organisations to ensure broad outreach.
- Take into account the interoperability and exchange of future and existing data collected.



## **Expected impacts** – Subtopic 2: Enabling citizens to act on climate change and for sustainable development through better monitoring and observing of the environment and their environmental impacts

- The development or strengthening of citizen science initiatives to engage citizens in the active collection of environmental and socio-economic data through individual new or improved devices.
- The provision of personalized information to citizens and consumers about their environmental impact.
- A better monitoring of the environment (land, sea, air, etc) because of the ability/possibility to use better tools and to collect more (in-situ) data.
- Behavioural change processes on the part of citizens, consumers and communities towards more sustainable patterns in reducing their carbon and environmental footprint, changing their consumption and lifestyle choices to achieve goals of a climate-neutral, sustainable Europe through concrete and targeted advice.

# Thank you



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