Climate Change Adaptation and Climate Services
An R&I Perspective

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Climate Change Adaptation

Your one-stop shop for urban climate data and services

About Climate-fit.city

Urban areas are very vulnerable to the impacts of climate change, because of the high concentration of people, infrastructure, and economic activity, but also because cities tend to exacerbate climate extremes such as heat waves and flash floods. Climate-fit.city will translate the best available
Horizon 2020 focus on Innovations and impact

- Reflection on exploitable outputs throughout the implementation
- Clear plan for dissemination and exploitation and ownership of results
- Open access publication and data
- Success stories
Horizon 2020 focus on Innovations and impact

- RTD D&E Support and advice services to increase impact and result exploitation
  - Common Dissemination and Exploitation booster, IPR helpdesk
  - Horizon Results platform and Innovation radar
  - Increased visibility at European level
  - Open access/research data support (e.g. OpenAire including Citizen Science, Zenodo)
Horizon 2020 focus on Innovations and impact

- Explore synergies with platforms at European and international level
  - Climate-ADAPT
  - JRC Knowledge centres
  - COPERNICUS – Climate Change Service
  - Global Framework for Climate Services
EuroGEO: Delivering on adaptation to climate change

- EuroGEO is the European component of GEO which implements the Global Earth Observation System of Systems (GEOSS).

- EuroGEO develops user-driven applications relevant to climate adaptation integrating resources from a broad range of European actors brought together through the GEO European Caucus (e.g. EU MS, ESA, ECMWF, etc...).

- Those applications build on the Copernicus data and services.

- Eight specific applications have been developed recently: agriculture, land degradation and forest fires, irrigation, migration, cities and human settlements, energy, pollution and disasters/flooding.
« Becoming the world’s first climate neutral continent is the greatest challenge and opportunity of our times. It involves taking decisive actions now. We will need to invest in innovation and research, redesign our economy and update out industrial policy. »

“To help us achieve our ambition, I will propose a European Green Deal in my first 100 days in office.”

« The existential threat posed by climate change requires enhanced ambition and increased climate action by the EU and at global level. »
The vision of Horizon Europe

- A sustainable, fair and prosperous future for people and planet based on European values.
  - Tackling climate change (35 % budgetary target)
  - Helping to achieve Sustainable Development Goals
  - Boosting the Union's competitiveness and growth
Lessons Learned from Horizon 2020 Interim Evaluation

- Support breakthrough innovation
- Create more impact through mission-orientation and citizens' involvement
- Strengthen international cooperation
- Reinforce openness
- Rationalise the funding landscape
- Encourage participation

Key Novelties in Horizon Europe

- European Innovation Council
- R&I Missions
- Extended association possibilities
- Open science policy
- New approach to Partnerships
- Spreading Excellence
Horizon Europe Missions

- Intended to achieve **ambitious** and **inspirational** goals
- With a **clear direction**: targeted, measurable and time-bound
- With **impact** for society and policy making
- **Engage citizens** in co-designing, co-creating, co-implementing and co-assessing missions

**Approach inspired by the recommendations from Lamy Report (2017) and Prof. Mazzucato’s work**

**Mission Area on Adaptation to Climate Change**

- Mission Board appointed (15 High level experts)
  - Chair: Connie Hedegaard, Former Climate Commissioner
- Early 2020: Scoping of the Mission in the Strategic Planning of Horizon Europe
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Horizon Europe Missions

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