Destination 1: Climate sciences and responses for the transformation towards climate neutrality

Tóth Orsolya
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Nemzeti Kutatási, Fejlesztési és Innovációs Hivatal
Climate sciences and responses for the transformation towards climate neutrality

- Support EU policies as well as international efforts for a global uptake of climate action in line with the Paris Agreement and the Sustainable Development Goals (SDGs), including biodiversity objectives.

- Advancing climate science and further broadening and deepening the knowledge base is essential to inform the societal transition towards a climate neutral and climate resilient society by 2050, as well as towards a more ambitious greenhouse gas reduction target by 2030.

- Enable the transition to a climate-neutral and resilient society and economy through improving the knowledge of the Earth system and the ability to predict and project its changes under different natural and socio-economic drivers.

- Contributes directly to the Strategic Plan’s Key Strategic Orientation D ”Making Europe the first digitally led circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems” and the impact area “Climate change mitigation and adaptation”.
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- The overall **expected impact** of this Destination is to contribute to the “Transition to a climate-neutral and resilient society and economy enabled through advanced climate science, pathways and responses to climate change (mitigation and adaptation) and behavioural transformations”

- **Coordination and synergies** between activities supported under Destination 1, as well as in other Destinations and Clusters, and in particular complementarities with **Cluster 4** and **Cluster 6** should be taken into account.

- Destination 1 concentrates on activities related to **climate science** and **modelling**, whereas Cluster 6 contributes to R&I on the implementation of climate change mitigation and adaptation solutions in the areas covered by Cluster.
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- **Indicative budget:**
  - 2021: 136 million EUR
  - 2022: 137 million EUR
  - Opening: 15 Apr 2021
  - Deadline(s): 07 Sep 2021

- 2022 two-stage:
  - Opening: 04 Nov 2021
  - Deadline(s): 15 Feb 2022 (First Stage), 07 Sep 2022 (Second Stage)
Climate sciences and responses for the transformation towards climate change

- Understanding of greenhouse gas fluxes; carbon dioxide technologies
- Circular economy for climate change mitigation
- Impact and synergy of European climate R&I
- Integrated assessment
- Interaction between climate change impacts and risks, mitigation and adaptation
- Standardising climate services
- Improved economic methods for decision-making
- Forest management
- Socio-economic risks of climate change
- Social science for land-use strategies
• Turn the urgent challenge of adapting to climate change into an opportunity to make Europe more climate resilient, prepared and just

• Much of the action to adapt to climate change will take place at the regional and local level

• Need to create a level playing field, and support regional and local authorities in preparing the ground to engage in climate resilience building

• Climate resilient Europe is understood to include three fundamental and interrelated dimensions and principles: resilience of environmental systems, resilience of social and economic systems, and resilience of political systems
Thank you for your attention!

orsolya.toth2@nkfih.gov.hu
+36 1 896 3744

Nemzeti Kutatási, Fejlesztési és Innovációs Hivatal
www.nkfih.gov.hu
http://www.h2020.gov.hu/