



CLIMATE IN CLUSTER 5

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National information day – Life Sciences

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HORIZON EUROPE STRUCTURE

 PILLAR I EXCELLENT SCIENCE	 PILLAR II GLOBAL CHALLENGES & INDUSTRIAL COMPETITIVENESS	 PILLAR III INNOVATIVE EUROPE
European Research Council	Clusters <ul style="list-style-type: none"> ▪ Health ▪ Culture, Creativity & Inclusive Society ▪ Civil Security for Society ▪ Digital, Industry & Space ▪ Climate, Energy & Mobility ▪ Food, Bioeconomy, Natural Resources, Agriculture & Environment <div style="background-color: #e0e0e0; padding: 5px; text-align: center;">Joint Research Centre</div>	European Innovation Council
Marie Skłodowska-Curie		European Innovation Ecosystems
Research Infrastructures		European Institute of Innovation & Technology

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence | Reforming & Enhancing the European R&I system

CLUSTER 5

– CLIMATE, ENERGY, MOBILITY

Aim

- transformation of economy, industry and society with a view to achieving climate neutrality in Europe by 2050

6 destinations:

1. **Climate sciences and responses for the transformation towards climate neutrality**
2. Cross-sectoral solutions for the climate transition
3. Sustainable, secure and competitive energy supply
4. Efficient, sustainable and inclusive energy use
5. Clean and competitive solutions for all transport modes
6. Safe Resilient Transport and Smart Mobility services for passengers and goods



DESTINATION 1

Climate sciences and responses for the transformation towards climate neutrality

... fosters climate science and thus helps to identify effective and efficient pathways and responses to climate change

2stages topics for 2022

- **Carbon Dioxide Removal (CDR)** approaches
- **Socio-economic risks** of climate change in Europe
- Social science for **land-use strategies** in the context of climate change and biodiversity challenges

1stage topics for 2022

- Verification and reconciliation of **estimates of climate forcings**
- Development of high-resolution **Earth system models** for global and regional climate change projections
- Improvement of **Integrated Assessment Models** in support of climate policies
- Supporting the formulation of adaptation strategies through improved **climate predictions** in Europe and beyond
- Let nature help do the job: **Rewilding landscapes** for carbon sequestration, climate adaptation and biodiversity support

SECOND CALLS OF DESTINATION 1

- Opening: [12.10.2021](#)
- Deadline: [10.2.2022](#) (First Stage),
[27.9.2022](#) (Second Stage)
- Budget: [51 + 87 mil. eur](#)
- Instruments: 8x RIA

TABLES OF TOPICS

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Prepared by TC for clusters:

- [cluster 3](#)
- [cluster 4](#)
- [cluster 5](#)
- [cluster 6](#)



HORIZON EUROPE
Témata „CLUSTER 5“ (Climate, Energy and Mobility)
pro období 2021-2022

Climate sciences and responses for the transformation towards climate neutrality	Nástroj	Příspěvek EU na projekt (mil. €)	Rozpočet tématu (mil. €)	Odhad podpoř. projektů
Výzva HORIZON-CL5-2021-D1-01 Climate sciences and responses pro rok 2021, otevření 24.6.2021, uzávěrka 14. 9. 2021				
HORIZON-CL5-2021-D1-01-01: Improved understanding of greenhouse gas fluxes and radiative forcers, including carbon dioxide removal technologies	RIA	8	24	3
HORIZON-CL5-2021-D1-01-02: Modelling the role of the circular economy for climate change mitigation	RIA	5	15	3
HORIZON-CL5-2021-D1-01-03: Maximising the impact and synergy of European climate change research and innovation	CSA	2-5	7	2
HORIZON-CL5-2021-D1-01-04: Enhanced integrated assessment in pursuit of global climate goals	RIA	5	15	3
HORIZON-CL5-2021-D1-01-05: Better understanding of the interactions between climate change impacts and risks, mitigation and adaptation options	RIA	6-7	20	3
HORIZON-CL5-2021-D1-01-06: Supporting and standardising climate services	CSA	10	10	1
HORIZON-CL5-2021-D1-01-07: Improved economic methods for decision-making on climate and environmental policies	RIA	3	6	2
HORIZON-CL5-2021-D1-01-08: Restoration of natural wetlands, peatlands and floodplains as a strategy for fast mitigation benefits: pathways, trade-offs and co-benefits	RIA	6-7	20	3
HORIZON-CL5-2021-D1-01-09: The contribution of forest management to climate action: pathways, trade-offs and co-benefits	RIA	6	18	3
Výzva HORIZON-CL5-2022-D1-01-two-stage Climate sciences and responses pro rok 2022, uzávěrka 15. 2. 2022 (1. stupeň), 7. 9. 2022 (2. stupeň)				



SOME IMPORTANT CHANGES IN PROPOSAL

- for full RIA and IA proposal 45 page limit, for CSA 30 pages
 - exception for IA in Cluster 5 ~ 70 pages
 - funding rate for profit organisations in IA in Cluster 5 ~ 60 %
- changes in administration part A (e.g. researchers description included here)
- Gender equality plan – from 2022 on necessary for public bodies, research organisations, higher education
- in „excellence“ section open science practices description needed
- in „impact“ section summary in table required
- assessment of „management structure“ removed from evaluation





QUESTIONS?

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