

## BELSPO funding of climate research

### Project funding via national calls

ACRONYM	TITLE	# YEARS	BUDGET K€
<b>BRAIN-BE2.0 - Pilar 1</b>			
CS-MASK	Crowd-Sourced data for atmospheric Modelling At Sub-Kilometric scale	2020 -2024	322
OUTFLOW	Quantifying the cONtribUTION of Fouling fauna to the Local carbon budget of an Offshore Wind farm	2021-2025	624
REGE+	Forest regeneration under climate and environmental change	2021-2025	711
TANGO	Estimating Tipping points in habitability of ANtarctic benthic ecosystems under GIObal future climate change scenarios	2021- 2025	937
CLIMB	How do aerosol-Cloud Interactions influence the surface Mass Balance in East Antarctica	2019 -2022	376
COPE	Conservation management of polar ecosystems: using genomic approaches to study connectivity across spatial and functional scales	2019-2023	511
PREDICT	Phase transitions of a salt mixture under changing climatic conditions	2020-2024	362
TAPIOWCA	long-Term Assessment, Proxies and Indicators of Ozone and Water vapour changes affecting Climate and Air quality	2022-2026	285
CORDEX.be II	COmbining Regional Downscaling EXpertise in Belgium II	2022-2026	950
DAMOCO	Closing the DAta gap to develop Land Surface MOdels for COngo Basin forests	2022-2026	983
DERISC	Deep learning based Extreme Rainfall and flood warnIngs through Seamless foreCasting	2022-2026	741
E-TREND	Extensible Tools for Renewable ENergy Decision making	2022-2026	1027
LEAP	Learning from the past: The impact of abrupt climate changes on society and environment in Belgium	2022-2026	998
RECARBON	Restoring carbon sinks in floodplains through different land use practices	2022-2026	1039
VERBE	Towards a greenhouse gas emission monitoring and VERification system for Belgium	2022-2026	725
16 projects	Total budget	2019-2026	11 681
<b>BRAIN-BE2.0 - Pilar 2</b>			
Climate2Preserv	Sustainable Climate Management Strategy to Preserve Federal Collections	2020-2024	834
1 project	Total budget	2020-2023	<b>834</b>
<b>BRAIN-BE2.0 - Pilar 3</b>			
FUTURES4FOOD	Connecting futures and stakeholders of food systems by designing effective transition trajectories	2020-2024	1 141
LAMARTRA	Bridging decarbonization and labour market in sustainability transitions	2020-2024	1 063
2 projects	Total budget	2020-2024	<b>2 204</b>

<b>STEREO</b>			
MIMO	Monitoring melt where Ice Meets Ocean		540
U-TURN2	Understanding Turning Points in Dryland Ecosystem Functioning		548
WAVETRAX	Water and vegetation tower radar experiments for improved climate monitoring	2023-2029	
SNOWTRANE	Snow mass observation based on EO data and machine learning	2022-2026	
NORTH-HEAT	High Resolution Marine Heat Waves in the North Sea: history, impact, causes	2022-2025	
HERMES	Hybrid Estimation and Remote sensing Monitoring of Evaporation and Soil moisture	2022-2025	
EO4PEAT	EO for Understanding and Monitoring Changing Conditions in Tropical Peatlands	2023-2029	
DEEPVEEG	Deepfaking ecosystem response to climate extremes	2022-2025	
CROPWAVES	Climate impacts on crop losses: Using satellite data to foster food security	2023-2028	
AFRO-CARDS	African Forest RecOvery and CARbon Dynamics monitoring through Remote Sensing	2023-2029	
10 projects	Total budget	2023-2029	7 000 k€
<b>FedTwin post-docs</b>			
13 projects	Total budget	2020-2026	9250
<b>BELGICA - call</b>			
CANOE	Climate chANge impacts on carbon cycling and fOod wEbs in Arctic Fjords	2022-2025	997,6
DEHAET	Natural analogues and system-scale modelling of marine enhanced silicate weathering	2022-2025	999,5
2 projects	Total budget	2022-2025	1997,1
<b>Polar - call</b>			
DORA	Detection of Ozone Recovery in the Arctic	2022-2025	243,7
LIFTHAW	Nutrient lift upon permafrost thaw: sources and controlling processes	2022-2025	243,7
PASPARTOUT	Transportwegen van atmosferische deeltjes, VOCs, en waterdamp naar Oost-Antarctica in een veranderend klimaat	2022-2025	243,7
RESIST	Recent Arctic and Antarctic sea ice lows: same causes, same impacts?	2022-2025	447,9
EXPOSOLS	Climate change experiments in Arctic and Antarctic polar desert soils	2022-2025	488,1
5 projects	Total budget	2022-2025	1667,1

### Contribution to EU partnerships

ACRONYM	TITLE	# YEARS	BUDGET K€
<b>JPI Climate - SOLSTICE</b>			

202CM	Overcoming Obstacles and Disincentives to Climate Change Mitigation: A cross-cutting approach by human and social sciences	2020-2023	250
SOLARIS	SOLidarity in climate change Adaptation policies: towards more socio-spatial justice in the face of multiple RISks	2020-2023	250
2 projects	Total budget	2020-2023	<b>500</b>
<b>JPI Climate - AXIS</b>			
LAMACLIMA	Land management for climate mitigation and adaptation	2020 -2023	200
MAPPY	Multisectoral analysis of climate and land use change impacts on pollinators, plant diversity and crop yield	2020 -2023	85
2 projects	Total budget	2020-2023	<b>285</b>
<b>BiodivClim ERA-net</b>			
MixForChanges	Mixed Forest plantations for climate change mitigation and adaptation	2021-2024	250
PRINCESS	Peatland Rewetting In Nitrogen-Contaminated Environments: Synergies and trade-offs between biodiversity, climate, water quality and Society	2021-2024	250
EPICC	Environmental Policy Instruments across Commodity Chains (EPICC): Comparing multi-level governance for Biodiversity Protection and Climate Action in Brazil, Colombia, and Indonesia	2021-2024	350
3 Projects	Total budget	2021-2024	850
<b>Join call JPI Oceans + JPI Climate 2020</b>			
MEDLEY	MixED Layer hEterogeneity	2020-2024	181,6
<b>ESA Climate</b>			
Climate Space		2023-2027	<b>6500,0</b>
Digital Twin Earth		2023-2027	<b>2500,0</b>
2 projects	Total	2023-2027	9000,0

### Total for climate-related projects

Total : 39,2 Million € between 2019-2027, 32,9 Million € between 2022-2026

This energy-related project was not counted in this total but also financed:

<b>BRAIN-BE2.0 - Pilar 1</b>			
GEOCAMB	Geothermal Energy Potential in Cambrian rocks focusing on public buildings	2019-2023	1 090