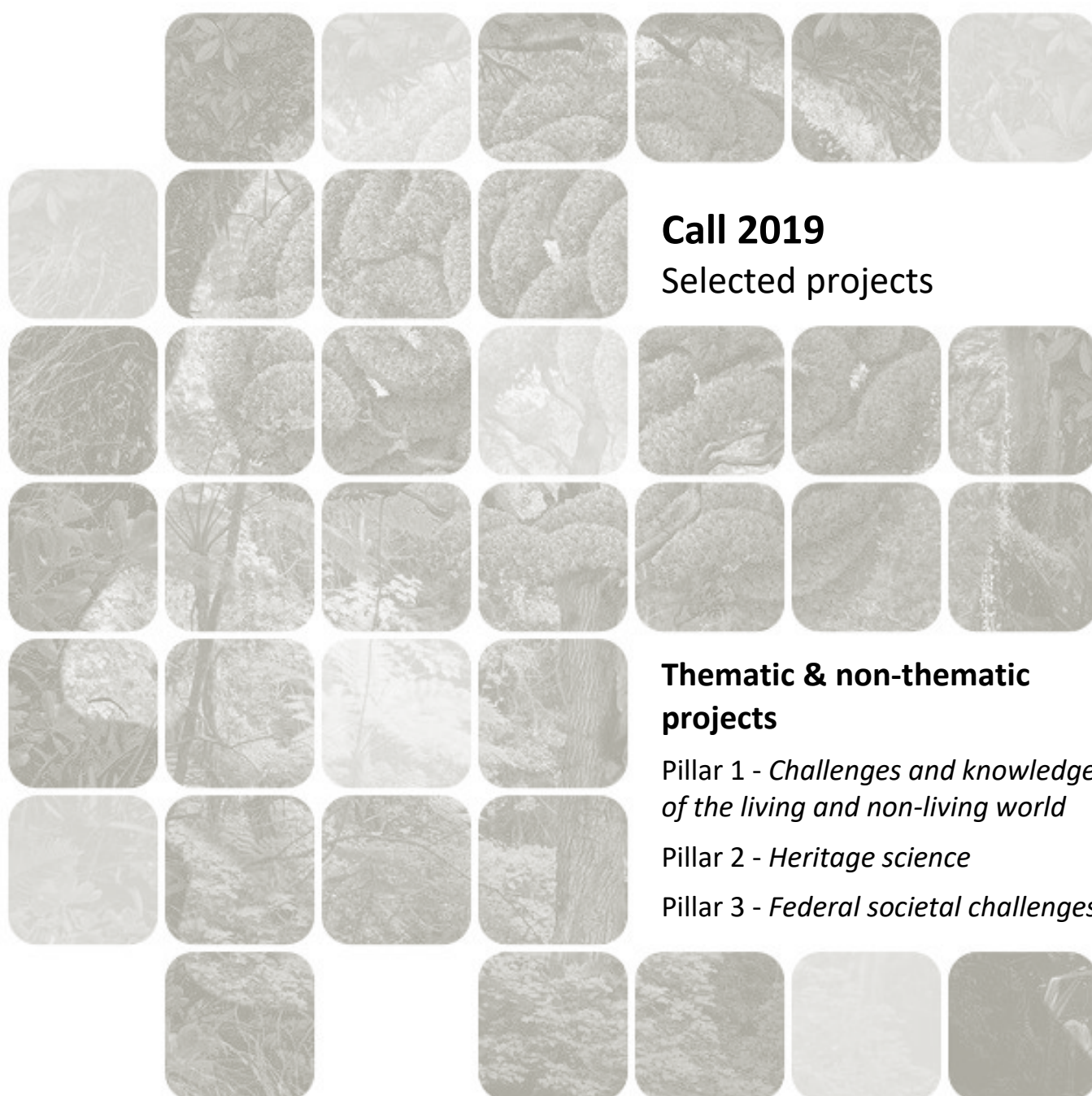


BRAIN-be 2.0

BELGIAN RESEARCH ACTION THROUGH INTERDISCIPLINARY NETWORKS - Phase 2



Call 2019

Selected projects

Thematic & non-thematic projects

Pillar 1 - *Challenges and knowledge of the living and non-living world*

Pillar 2 - *Heritage science*

Pillar 3 - *Federal societal challenges*

Pillar 1 - Challenges and knowledge of the living and non-living world

Acronym	Title	Duration		Institute	Name	Firstname	Budget (€)	Total (€)
CLIMB	How do aerosol-Cloud Interactions influence the surface Mass Balance in East Antarctica?	2 years	C	IRM-KMI	Mangold	Alexander	153 930	376 450
			P1	KU Leuven	van Lipzig	Nicole	81 480	
			P2	IASB-BIRA	Van Roozendael	Michel	78 330	
			P3	UGent	Walgraeve	Christophe	62 710	
COFFEEBRIDGE	Bridging knowledge to the field: an evaluation of the agronomic and socio-economic potential of Robusta coffee genetic resources as a cash crop in the Congo Basin	4 years	C	APM	Stoffelen	Piet	293 261	958 725
			P1	AGR-ARA	Amara	Michaël	95 288	
			P2	KU Leuven	Merckx	Roeland	10 500	
			P3	KU Leuven	Segers	Yves	0	
			P4	ULB	Stévigny	Caroline	107 625	
			P5	MRAC-KMMA	Trefon	Théodore	105 025	
			P6	KU Leuven	Verbist	Bruno	267 562	
			INT1	D.R. of CONGO	Dhed'a Djailo	Benoit	34 650	
INT2	D.R. of CONGO	Mbuya Kankolongo	Amand	22 176				
COPE	Conservation management of polar ecosystems : using genomic approaches to study connectivity across spatial and functional scales	4 years	C	IRSNB-KBIN	Schon	Isa	296 130	511 734
			P2	KU Leuven	Volckaert	Filip	215 604	
DESIGNATE	Decision Support under Uncertainty for Geothermal Applications	4 years	C	IRSNB-KBIN	Welkenhuysen	Kris	310 817	1 000 217
			P2	UMONS	Kaufmann	Olivier	241 015	
			P3	VITO	Laenen	Ben	215 877	
			P4	UA	Van Passel	Steven	232 508	
DESIRED	Tracing differentiation processes through siderophile elements, from meteorites to giant ore deposits	4 years	C	IRSNB-KBIN	Decrée	Sophie	213 465	643 755
			P2	ULB	Debaille	Vinciane	219 345	
			P3	VUB	Goderis	Steven	210 945	
GEOCAMB	Geothermal Energy Potential in Cambrian rocks focusing on public buildings	4 years	C	IRSNB-KBIN	Petitclerc	Estelle	430 579	1 093 236
			P2	ULB	Gerard	Pierre	96 978	
			P3	CSTC	Van Lysebetten	Gust	285 799	
			P4	ORB-KSB	Van Noten	Koen	170 365	
			P5	UGent	Walraevens	Kristine	109 515	
ISeBAF	Insect Service and Biodiversity in Agroecological Farming	4 years	C	MRAC-KMMA	Virgilio	Massimiliano	335 550	947 630
			P2	IRSNB-KBIN	Boevé	Jean-Luc	212 750	
			P3	ULB	Vereecken	Nicolas J.	264 300	
			INT1	U.R. of TANZANIA	Mwatawala	Maulid	135 030	
LASUGEO	monitoring LAnd SUBsidence caused by Groundwater exploitation through gEOdetic measurements	4 years	C	IRSNB-KBIN	Devleeschouwer	Xavier	330 820	1 050 448
			P1	ULg	Dassargues	Alain	260 453	
			P2	ORB-KSB	Van Camp	Michel	177 262	
			P3	UGent	Walraevens	Kristine	281 913	
LEGO-BEL-AQ	Low-Earth and Geostationary Observations of BELgian Air Quality (LEGO-BEL-AQ): Exploiting the full spatio-temporal resolving power of the Copernicus Atmospheric Sentinel missions to support air pollution policies in Belgium.	4 years	C	IASB-BIRA	Verhoelst	Tijl	318 201	375 951
			P2	CELINE-IRCEL	Fierens	Frans	57 750	
LIBS-SCReeN	Screening Critical Raw materials from exploration to (post)beneficiation using New LIBS techniques	4 years	C	IRSNB-KBIN	Burlet	Christian	274 170	1 024 594
			P1	UMONS	Baele	Jean-Marc	244 700	
			P2	KU Leuven	Croitor Sava	Anca	238 843	
			P3	ULg	Giario	Philippe	266 881	
MICROBE	Mars and the IsotopiC Ratio Of water: Budget and Evolution	4 years	C	IASB-BIRA	Erwin	Justin	390 201	390 201
MicroResist	The influence of snail host microbiome in trematode parasite resistance	4 years	C	MRAC-KMMA	Huyse	Tine	319 940	319 940
PREDICT	Phase transitions of a salt mixture under changing climatic conditions	4 years	C	IRPA-KIK	De Clercq	Hilde	362 102	362 102
SeVoCo	Semi-volatiles in a comet	4 years	C	IASB-BIRA	Dhooghe	Frederik	241 777	241 777
			P1	IASB-BIRA	Cessateur	Gaël	0	
			P2	IASB-BIRA	De Keyser	Johan	0	
			P3	ULg	Jehin	Emmanuel	0	
STEM	The structure and evolution of Mercury's core	2 years	C	ORB-KSB	Van Hoolst	Tim	196 200	196 200
SWIM	Solar wind modeling with EUHFORIA for new heliophysics space missions	4 years	C	ORB-KSB	Magdalenic	Jasmina	454 518	503 028
			P2	KU Leuven	Poedts	Stefaan	48 510	
JPI Climate AXIS								
LAMA CLIMA	Land management for climate mitigation and adaptation	3 years	P	VUB	Thiery	Wim	199 993	199 993
MAPPY	Multisectoral analysis of climate and land use change impacts on pollinators, plant diversity and crop yields	3 years	P	UNamur	Dendoncker	Nicolas	84 943	84 943
JPI Ocean Microplastics								
HOTMIC	Horizontal and vertical oceanic distribution, transport, and impact of microplastics	3 years	P	UGent	Vanreusel	Ann	229 000	229 000
BiodivERsA biodivhealth								
BIODIV-AFREID	Biodiversity changes in African forests and Emerging Infectious Diseases: should we worry?	3 years	P	IRScNB-KBIN	Verheyen	Erik	200 000	200 000

Pillar 2 - Heritage science

Acronym	Title	Duration		Institute	Name	First Name	Budget (€)	Total (€)
AFRISURGE	Transformative Heritage: politics, peacebuilding and digital restitution of cultural heritage in contemporary Northeast DR Congo	4 years	C	MRAC-KMMA	Vanhee	Hein	395 972	851 314
			P2	UAntwerpen	Titeca	Kristof	351 705	
			P3	UGent	Van Bockhaven	Vicky	15 491	
			INT1	RD Congo	Gaise	Roger	88 146	
ARTPRESSE	Intermedial study of Belgian art as a networked structured as seen through the lens of the mass media magazines in the interbellum years	4 years	C	KBR	Lemmers	Frédéric	352 375	712 514
			P2	KU Leuven	Baetens	Jan	207 773	
			P3	ULiège	Bawin	Julie	76 183	
			P4	ULiège	Delville	Michel	76 183	
BCCM GEN-ERA	BCCM collections in the genomic era	2 years	C	Sciensano	Becker	Pierre	229 285	297 545
			P2	ULiège	Baurain	Denis	19 988	
			P3	UCLouvain	Declerck	Stephan	12 068	
			P4	ITG	Rigouts	Leen	12 068	
			P5	UGent	Vandamme	Peter	12 068	
			P6	ULiège	Wilmotte	Annick	12 068	
BePAPER	Belgian Art on Paper in a European Perspective. 1918-1950	4 years	C	MRBAB-KMSKB	Rossi-Schrimpf	Inga	450 870	650 798
			P2	KU Leuven	Bru	Sascha	108 884	
			P3	ULB	Draguet	Michel	66 401	
			P4	KU Leuven	Truyen	Frederik	24 643	
BESOCIAL	BESOCIAL: towards a sustainable social media archiving strategy for Belgium	2 years	C	KBR	Vandepontseele	Sophie	137 636	441 750
			P2	UGent	Mechant	Peter	148 594	
			P3	UNamur	Michaux	Benoit	78 337	
			P4	UCLouvain	Watrin	Patrick	77 183	
CT-CEPH	A fresh look at Devonian, Early Carboniferous and Latest Cretaceous to Paleogene nautilid cephalopods from Belgium: major steps in nautilus evolution revealed by micro-CT and nano-CT scanning of RBINS-RMCA type collections	4 years	C	IRSNB-KBIN	Mottequin	Bernard	170 898	170 898
			P2	IRSNB-KBIN	Goolaerts	Stijn	0	
DATA-KBR-BE	Facilitating Data-level Access to KBR Collections for Open Science	2 years	C	KBR	Lemmers	Frederic	253 980	498 976
			P2	UAntwerpen	Van Hulle	Dirk	37 265	
			P3	UGent	Verbruggen	Christophe	207 731	
DeepSun	Interconnection and valorisation of long-term solar datasets via deep learning	4 years	C	ORB-KSB	Delouille	Veronique	361 786	556 847
			P2	UCLouvain	De Vleeschouwer	Christophe	195 061	
DIGICOLJUST	Colonial Violence, Subaltern Agency and Shared Archival Heritage: A Digital Platform of Colonial Judiciary Sources	2 years	C	AGR-ARA	Tallier	Pierre-Alain	161 496	314 902
			P2	VUB	Henriet	Benoit	76 703	
			P3	ULB	Lagrou/Lauro	Pieter/Amandine	76 703	
HOME	Human Remains Origin(s) Multidisciplinary EvalUAntwerpention	2 years	C	IRSNB-KBIN	Semal	Patrick	198 271	880 940
			P2	MRAC-KMMA	Couttenier	Maarten	177 971	
			P3	USL-B	de Broux	Pierre-Olivier	97 365	
			P4	MRAH-KMKG	Delvaux	Luc	93 787	
			P5	NICC-INCC	Desmyter	Stijn	183 900	
			P6	ULB	Louryan	Stéphane	129 646	
ICHIE	Interconnectivity of large Carnivores, Humans and Ice Age Environments	2 years	C	IRSNB-KBIN	Germonpré	Mietje	169 322	179 816
			P2	IRPA-KIK	Boudin	Mathieu	10 494	
LORD	Lordship and State Formation in the County of Flanders, 15th – 18th C.	4 years	C	AGR-ARA	Verfaillie	Joke	280 969	698 515
			P2	UGent	Buylaert	Frederik	208 773	
			P3	UGent	Lambrecht	Thijs	208 773	
NaPol-Intel	Nationalizing Police Intelligence in Belgium (1918-1961): Democratization Processes and Bureaucratic Knowledge Practices	4 years	C	AGR-ARA	Amara	Michaël	266 487	602 732
			P2	UGent	De Koster	Margo	173 644	
			P3	UCLouvain	Rousseaux	Xavier	162 601	
POSTWAREX	The ultimate punishment: military justice and the executions of death penalties for collaborators after the Second World War in Belgium	2 years	C	AGR-ARA	Luyten	Dirk	140 484	293 351
			P2	ERM-KMS	Horvat	Stanislas	152 867	
RETROPOLLEN	Reconstructing four decades of spatio-temporal airborne pollen levels for Belgium to assess the health impact	4 years	C	IRM-KMI	Delcloo	Andy	434 435	830 894
			P2	Zeeprev	De Guchteneare	Ann	93 498	
			P3	Sciensano	Hendrickx	Marijke	37 952	
			P4	CELINE-IRCEL	Hutsemékers	Virginie	10 494	
			P5	ULB	Michils	Alain	62 332	
			P6	UHasselt	Nawrot	Tim	192 183	
SURA	Unlocking the Photographic Archives of the Pioneering Years of Egyptology at the Royal Museums of Art and History in Brussels	2 years	C	MRAH-KMKG	Claes	Wouter	184 787	297 567
			P2	KU Leuven	De Meyer	Marleen	112 780	
TOCOWO	In support of the international travel of ethnographic collections: Identification of wood on Congolese objects using micro- an sub micron Tomography	2 years	C	MRAC-KMMA	Genbrugge	Siska	161 017	218 732
			P2	MRAC-KMMA	Beeckman	Hans	0	
			P3	UGent	Van den Bulcke	Jan	57 715	

Pillar 3 - Federal societal challenges

Acronym	Title	Duration		Institute	Name	Firstname	Budget (€)	Total (€)
BABEL	Basic Income in Belgium: stress-testing basic income in the digital era	4 years	C	KU Leuven	Van Lancker	Wim	459 363	846 926
			P2	UA	Marx	Ive	198 593	
			P3	KU Leuven	Marx	Axel	25 988	
			P4	USL-B	Vanderborght	Yannick	162 982	
B@SEBALL	Biodiversity at School Environments Benefits for ALL	4 years	C	UA	Keune	Hans	84 769	638 045
			P2	Sciensano	De Clercq	Eva	112 212	
			P3	UA	Lebeer	Sarah	100 661	
			P4	GoodPlanet	Leonard	Anna	87 675	
			P5	INBO	Van Calster	Hans	183 523	
BBOX	OCMW/CPAS & new migrants/refugees: opening the black box of policy in practice	2 years	C	KU Leuven	De Cuyper	Peter	262 447	578 497
			P2	USL-B	Franssen	Abraham	140 700	
			P3	ULg	Lafleur	Jean-Michel	175 350	
BE-PARADIS	The Paradox of Belgian Inequality Studies: Belgium Less unequal than others?	4 years	C	KU Leuven	Decoster	André	435 390	1 226 370
			P2	UA	Decancq	Koen	369 240	
			P3	ULB	Gobbi	Paula	421 740	
DIGI4FED	Digital Revolution in Belgian Federal Government: An Open Governance Ecosystem for Big Data, Artificial Intelligence, and Blockchain	2 years	C	KU Leuven	Crompvoets	Joep	234 606	786 591
			P2	ULg	Fallon	Catherine	122 535	
			P3	UA	Van Dooren	Wouter	219 450	
			P4	UNamur	Vanderose	Benoît	210 000	
ELLIS	Monitoring and Mitigating Environmental Health Inequalities in Belgium	4 years	C	Sciensano	Devleeschauwer	Brecht	214 300	493 810
			P2	ULB	Bouland	Catherine	0	
			P3	UCL	Eggerickx	Thierry	117 810	
			P4	UHasselt	Faes	Christel	0	
			P5	UCL	Masquelier	Bruno	161 700	
Re-InVEST.be	Investing in basic rights, capabilities and anti-poverty policies in Belgium	4 years	C	KU Leuven	Nicaise	Ides	1 183 946	1 530 000
			P2	UCL	De Munck	Jean	346 054	
REMEDI	GPs' REcommendations to patients with MEntal health problems and Diverse migration backgrounds	2 years	C	UGent	Bracke	Piet	295 234	447 694
			P2	UGent	Ceuterick	Melissa	0	
			P3	UCL	Dauvrin	Marie	0	
			P4	UGent	De Maesschalck	Stephanie	0	
			P5	UCL	Lepière	Brice	0	
			P6	UCL	Lorant	Vincent	152 460	
SEAD	Sustainable employment in the age of digitalisation: challenges, obstacles and opportunities	4 years	C	VUB	Vanroelen	Christophe	339 203	1 385 627
			P2	KU Leuven	Deschacht	Nick	207 161	
			P3	KU Leuven	Lamberts	Miet	286 834	
			P4	ULB	Martinez	Esteban	276 215	
			P5	ULg	Pichault	François	276 215	
TRAHOME	Homelessness Trajectories and non-take-up from a Dynamic Perspective	4 years	C	KU Leuven	Hermans	Koen	427 525	788 425
			P2	UGent	Roets	Griet	180 450	
			P3	UCL	Wagener	Martin	180 450	