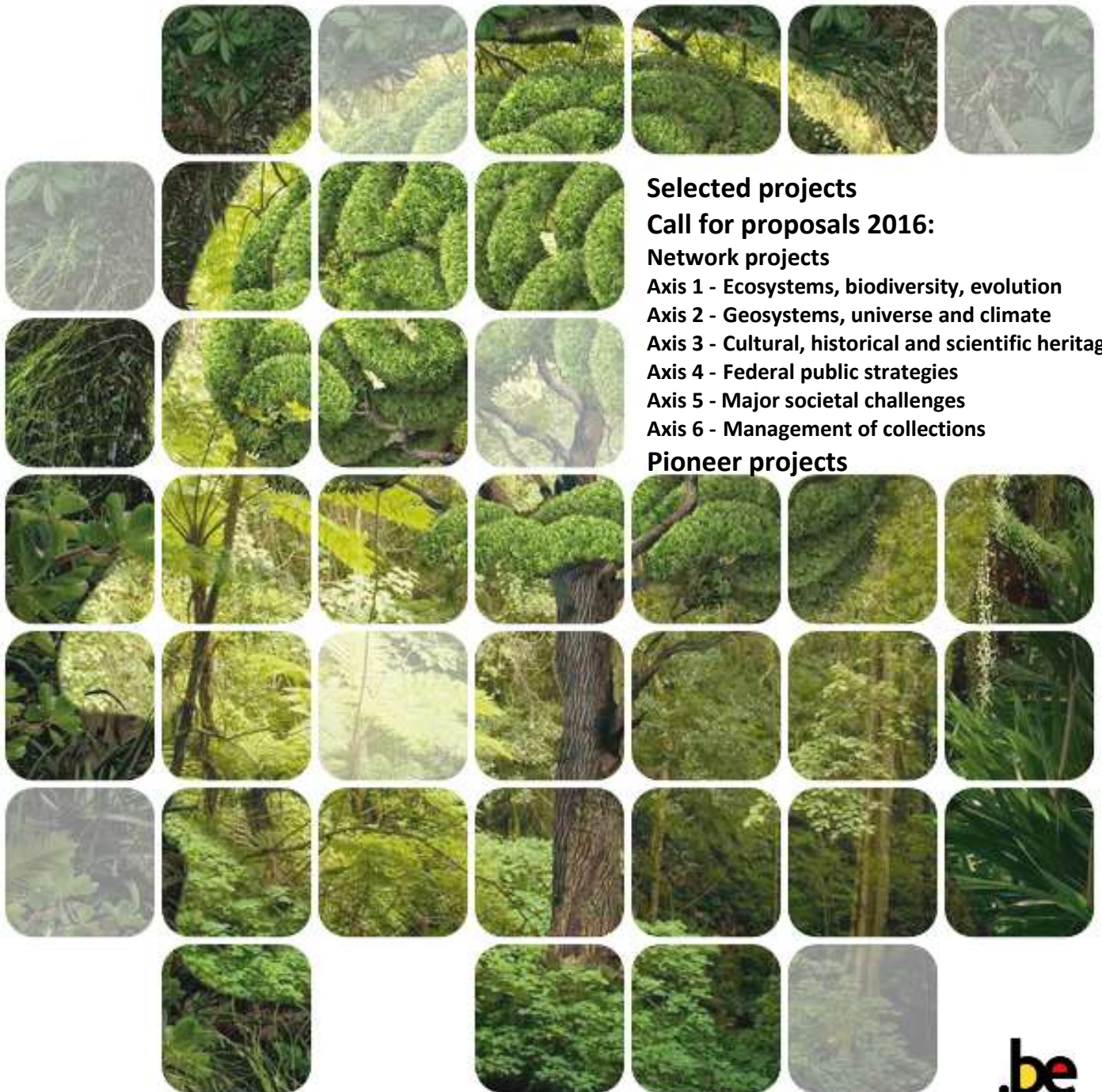


BRAIN-be

BELGIAN RESEARCH ACTION THROUGH INTERDISCIPLINARY NETWORKS



Selected projects

Call for proposals 2016:

Network projects

- Axis 1 - Ecosystems, biodiversity, evolution
- Axis 2 - Geosystems, universe and climate
- Axis 3 - Cultural, historical and scientific heritage
- Axis 4 - Federal public strategies
- Axis 5 - Major societal challenges
- Axis 6 - Management of collections

Pioneer projects

AXIS 1: ECOSYSTEMS, BIODIVERSITY AND EVOLUTION

Acronym	Title		Coordinator/Promoters	Institution	TOTAL (€)
MICROBIAN	Microbiome diversity and function in the Sør Rondane Mountains, East Antarctica	C	Vyverman Wim	UGent	853 304
		P2	Wilmotte Annick	ULg	
		P3	Willems Anne	UGent	
		P4	Vanhellemont Quinten Van de Putte Anton	IRSNB-KBIN	
		P5	Van de Vijver Bart	JBM-PM	
		INT1	Terauds Aleks	Australian Antarctic Division (AU)	
		INT2	Elster Josef	University of South Bohemia in Ceske Budejovice	
TRIAS	Tracking Invasive Alien Species: Building a data-driven framework to inform policy	C	Groom Quentin	JBM-PM	720 619
		P2	Adriaens Tim	INBO	
		P3	Termonia Piet	IRM-KMI	
		P4	Eggermont Hilde	IRSNB-KBIN	
		P5	Lens Luc	UGent	
		P6	Van De Kerkhove Ruben	VITO	
		P7	Van Hoey Gert	ILVO	
		P8	Verleye Thomas	VLIZ	
		P9	Monty Arnaud	ULg	
		P10	Jacquemart Anne-Laure	UCL	
		P11	Barbier Yvan	SPW	
		P12	Roelandt Sophie	CERVA-CODA	
Forestflow	Shifting the balance? Dissolved carbon fluxes from forests under future rainfall regimes	C	Janssens Ivan	UAntwerpen	754 408
		P2	Willems Patrick	KULeuven	
		P3	Vincke Caroline	UCL	
		P4	Termonia Piet	IRM-KMI	
ORCA	A comparative analysis of ORganic and Conventional Agriculture's impact on aquatic biodiversity	C	De Meester Luc	KULeuven	665 484
		P2	Martens Koen	IRSNB-KBIN	
		P3	Louette Gerald	INBO	

PERSUADE	ExPERimental approaches towards Future Sustainable Use of North Sea Artificial HarD SubstratEs	C	Degraer Steven Vanaverbeke Jan	IRSNB-KBIN	824 442
		P2	Moens Tom Soetaert Karline Vancolen Carl	UGent	
		P3	Cattrijsse Andre	VLIZ	

AXIS 1: BIODIVERSA

Acronym	Title		Coordinator/Promoters	Institution	TOTAL (€)
BIO-Tide-BE	The role of microbial biodiversity in the functioning of marine tidal flat sediments	C	SABBE Koen	UGent	226 000
BIOVEINS-BE	Connectivity of green and blue infrastructures: living veins for biodiverse and healthy cities	C	SAMSON Roeland	UAntwerpen	239 200
CLIMARCTIC-BE	Climate change impacts on Arctic soil and lake microbiomes	C	VERLEYEN Elie	UGent	230 000
FUNGREEN-BE	Functional connectivity and green infrastructure	P2	HONNAY Olivier	KU Leuven	200 000
IMAGINE-BE	Integrative Management of Green Infrastructures Multifunctionality, Ecosystem integrity and Ecosystem Services: From assessment to regulation in socio-ecological systems	P2	DE BLUST Geert	INBO	226 000
REPEAT-BE	REstoration and prognosis of PEAT formation in fens – linking diversity in plant functional traits to soil biological and biogeochemical processes	P2	VAN DIGGELEN Ruurd	UAntwerpen	239 200
SoilForEUROPE-BE	Predicting European forest soil biodiversity and its functioning under climate change	P2	VRANKEN Liesbet	KU Leuven	182 000
URBANGAIA-BE	Managing urban Biodiversity and Green Infrastructure to increase city resilience	P2	JACOBS Sander	INBO	182 000
UrbanMycoserve-BE	Understanding and Managing Urban Ectomycorrhizal Fungi Communities to Increase the Health and Ecosystem Service Provisioning of Urban Trees	C	HONNAY Olivier	KU Leuven	275 000
WOODNET-BE	Connectivity patterns and processes along a gradient of European landscapes with woody vegetation and spatial heterogeneity	P2	HANCE Thierry	UCL	236 407

AXIS 2: GEOSYSTEMS, UNIVERSE AND CLIMATE

Acronym	Title		Coordinator/Promoters	Institution	TOTAL (€)
CCSOM	Constraining CMEs and Shocks by Observations and Modelling throughout the inner heliosphere	C	Magdalenic Jasmina	ORB-KSB	694 737
		P2	Poedts Stefaan	KULeuven	
		INT1	Pomoell Jens	University of Helsinki (FI)	
		INT2	Temmer Manuela	University of Graz (Au)	
Mass2Ant	East Antarctic surface mass Balance in the Anthropocene : Observations and multiscale modelling	C	Hugues Gousse	UCL	788 870
		P2	Jean-Louis Tison	ULB	
		P3	Stéphane Vannitsem	IRM-KMI	
		INT1	Jan Lenaerts	University of Colorado (US)	
		INT2	Stef Lhermitte	Delft University of Technology (NL)	
RESPONSE	Reactive transport modelling of point source contamination in soils and groundwater	C	Leterme Bertrand	CEN-SCK	961 690
		P2	Heyvaert Vanessa	IRSNB-KBIN	
		P3	Huysmans Marijke	VUB	
		P4	Springael Dirk Smolders Erik	KULeuven	
		P5	van Wesemael Bas	UCL	
BAMM!	Belgian Antarctic Meteorites and Micrometeorites to document solar system formation and evolution	C	Decrée Sophie	IRSNB-KBIN	389 815
		P2	Goderis Steven	VUB	
		P3	Debaille Vinciane	ULB	
		INT1	Gattacceca Jérôme	CEREGE	
CHICXULUB	Chicxulub 2016 IODP-ICDP deep drilling: From cratering to mass extinction	C	Claeys Philippe	VUB	586 905
		P2	Karatekin Ozgur	ORB-KSB	
		P3	Godefroit Pascal	IRSNB-KBIN	
DIABASE	Disclosing the Antarctic basement by sampling ice field moraines	C	Debaille Vinciane	ULB	69 117
		P2	Claeys Philippe	VUB	
		P3	Decrée Sophie	IRSNB-KBIN	
		INT1	Tomokazu Hokada	National Institute of Polar Research (JP)	

OCTAVE	Oxygenated organic Compounds in the Tropical Atmosphere : Variability and atmosphere-biosphere Exchanges	C	Stavrou Trissevgeni	IASB-BIRA	632 378
		P2	Coheur Pierre	ULB	
		INT1	Brioude Jérôme	Université de La Réunion	
CHASE	Unravelling Particle Chemistry in Dronning Maud Land: from atmosphere to surface snow	C	Mangold Alexander Delcloo Andy	IRM-KMI	599 018
		P2	Van Langenhove Herman Demeestere Kristof	UGent	
		P3	Matielli Nadine	ULB	
		P4	Claeys Philippe	VUB	
MOMA	Multi-wavelength Observations and Modelling of Aurora	C	Lamy Hervé	IASB-BIRA	697 213
		P2	Hubert Benoit	Ulg	

AXIS 2: ERA4CS

CIREG	Climate information for Integrated Renewable Electricity Generation	C	Thiery Wim	VUB	240 000
CO-CLI-SERV	Co-development of place-based climate services for action	C	De Rudder Anne	IASB-BIRA	177 000
		P2	Decroly Jean-Michel	ULB	

AXIS 3: CULTURAL, HISTORICAL AND SCIENTIFIC HERITAGE

Acronym	Title		Coordinator/Promoters	Institution	TOTAL (€)
UGESCO	Upscaling the Geo-temporal Enrichment, exploration and exploitation of Scientific Collections	C	Steven Verstockt Sofie Van Hoecke	UGent	527 321
		P2	Florence Gillet	AGR-ARA	
		P3	Seth Van Hooland	ULB	
		P4	Philippe De Maeyer Nico Van de Weghe	UGent	
		P5	Piet Desmet Hans Paulussen Frederik Cornillie	KULeuven	
VAL-U-SUN	Valorization of 70 years Solar Observations from the Royal Observatory of Belgium	C	Laure Lefèvre	ORB-KSB	450 240
		P2	Rainer von Sachs	UCL	
		INT1	Thierry Dudok de Wit	Université d'Orléans (FR)	
PASTECA	Historical aerial Photographs and ArchiveS to assess Environmental Changes in Central Africa	C	Olivier Dewitte	MRAC-KMMA	597 560
		P2	Gerard Govers	KULeuven	
		P3	Eléonore Wolff	ULB	
INSIGHT	Intelligent Neural Systems as InteGrated Heritage Tools	C	Mike Kestemont Walter Daelemans Dirk van Hulle	UAntwerpen	567 195
		P2	Pierre Geurts	ULg	
		P3	Ellen van Keer	MRBAB-KMSKB	
		P4	Christophe Verbruggen Sally Chambers	UGent	
		P5	Eva Coudyzer	MRAH-KMKG	
TRANSMEMO	The Sorrows of Belgium: WWII memories and family transmission	C	Bruno De Wever	UGent	571 000
		P2	Olivier Luminet	UCL	
		P3	Nico Wouters	AGR-ARA	
HOTSPOTS	Social Hotspots. High Courts of Justice files, sources for Low Countries history	C	Harald Deceulaer	AGR-ARA	317 000
		P2	Xavier Rousseaux	UCL	
		P3	Griet Vermeesch	VUB	

PHOTO-LIT	The Belgian photonovel: the local reuse of a European cultural practice	C	Jan Baetens	KULeuven	495 285
		P2	Michel Delville Luciano Curreri	ULg	
		P3	Frédéric Lemmers	KBR	
PHYSICAL	Profound study of Hydrous and Solvent Interactions in Cleaning Asian Lacquer	C	Steven Saverwyns	IRPA-KIK	396 444
		P2	Nathalie Vandeperre	MRAH-KMKG	
		P3	Frederic Lynen	UGent	
NATURALHERITAGE	NaturalHeritage.be: Modular interoperable database system and Portal for Belgian Natural History Collections	C	Patrick Semal	IRSNB-KBIN	599 886
		P2	Didier Van Den Spiegel	MRAC-KMMA	
		P3	Henry Engledow	JBB-NPB	
NEANDERTAL-3D	Management and valorisation of the digitised Belgian human remains collection	C	Serge Van Sint Jan	ULB	599 426
		P2	Caroline Polet	IRSNB-KBIN	
		P3	Bart Jansen	VUB	
		INT1	Antoine Balzeau	Musée de l'Homme (FR)	
IMPRESS	Beyond ideological conflict: religion and free-thought in the Belgian medical press (1840-1914)	C	Kaat Wils Michèle Goyens Joris Vandendriessche	KU Leuven	496 691
		P2	Frédéric Lemmers	KBR	
		P3	Cécile Vanderpelen	ULB	
FENESTRA	800 Years of fenestration history. Flat glass and windows in Federal Scientific Institutes	C	Wendy Meulebroeck	VUB	588 970
		P2	Isabelle Lecocq	IRPA-KIK	
		P3	Valérie Montens	MRAH-KMKG	
		INT1	Ian Freestone	University College London (UK)	

PROMISE	PReserving Online Multiple Information: towards a Belgian StratEgy	C	Sophie Vandepontseele Nadège Isbergue	KBR	399 339
		P2	Rolande Depoortere Sébastien Soyez	AGR-ARA	
		P3	Cécile de Terwangne Benoit Michaux	UNamur	
		P4	Emmanuel Di Pretoro	Haute École Paul-Henri Spaak	
		P5	Peter Mechant Sally Chambers	UGent	
COBECORE	Congo basin eco-climatological data recovery and valorisation	C	Hans Verbeeck Koen Hufkens	UGent	584 488
		P2	Hans Beeckman	MRAC-KMMA	
		P3	Piet Stoffelen	JBB-NPB	
		P4	Michael Amara	AGR-ARA	
ORNASACRA	Ornamenta sacra. Iconological study of the liturgical heritage from the Southern Netherlands (1400-1700)	C	Ralph Dekoninck	UCL	590 470
		P2	Barbara Baert	KULeuven	
		P3	Marie-Christine Claes	IRPA-KIK	
NAMED	NAture impact on MEntal health Distribution	C	Hans Keune	INBO	599 331
		P2	An Van Nieuwenhuyse	ISP-WIV	
		P3	Isabelle Thomas	UCL	
		P4	Hilde Bastiaens Roy Remmen	UAntwerpen	
		P5	Tim Nawrot	UHasselt	

AXIS 4: FEDERAL PUBLIC STRATEGIES

Acronym	Title		Coordinator/Promoters	Institution	TOTAL (€)
CONRAD	Constructive analysis on the attitudes, policies and programmes that relate to radicalisation	C	Aertsen Ivo	KULeuven	697 878
		P2	Boussetta Hassan	ULg	
		P3	Claes Erik	Odisee vzw	
IMMIGBEL	Improving the Labour Market Position of People with a Migration background in Belgium	C	Marx Ive Verbist Gerlinde	UAntwerpen	1 120 710
		P2	Neels Karel	UAntwerpen	
		P3	Rycx François	ULB	
IM²MEDIATE	Image of Immigrants in Media: Thought-provoking Effects	C	D'Haenens Leen	KULeuven	596 849
		P2	De Cock Rozane	KULeuven	
		P3	Matthijs Koen	KULeuven	
		P4	Mazzocchetti Jacinthe	UCL	
		P5	Smets Kevin	VUB	
		P6	Heinderyckx François	ULB	
		INT1	Sundin Ebba	Halmstad University (Se)	
AFFECT	Impact Assessment of Belgian De-Radicalisation Policies Upon Social Cohesion and Liberties	C	Brion Fabienne	UCL	1 206 545
		P2	De Kimpe Sofie	VUB	
		P3	Vanneste Charlotte	INCC-NICC	
FAR	Folks, Authorities and Radicalism : between polarization and social construction	C	Pilet Jean-Benoit	ULB	1 159 715
		P2	Fadil Nadia	KULeuven	
		P3	Mine Benjamin Jeuniaux Patrick Detry Isabelle	INCC-NICC	
IPV-PROPOL	Intimate Partner Violence: impact, processes, evolution and related public policies in Belgium	C	Vanneste Charlotte	INCC-NICC	1 030 000
		P2	Coene Gily	VUB	
		P3	Rousseaux Xavier	UCL	
		P4	Glowacz Fabienne	ULg	
MIGRADAPT	Making Migration Work for Adaptation to Environmental Changes. A Belgian Appraisal.	C	Gemene François	ULg	634 442
		P2	Zaccaï Edwin	ULB	
		P3	Timmerman Christiane	UAntwerpen	
		P4	Trefon Théodore	MRAC-KMMA	

AXE 4 JPI MYBL "MORE YEARS BETER LIFE"

Acronym	Title		Coordinator/Promoters	Institution	TOTAL (€)
CREW	Care, retirement and wellbeing of older people across different welfare regimes	C	Ester Rizzi	UCL	249 806
CIRCLE	Care and Income Redistributive Cycles in the Lives of Europeans	C	Gerlinde Verbist Tim Goedemé	UAntwerpen	168 966
FACTAGE-BE	Fairer ACTIVE Ageing for Europe	C	Barslund Mikkel	CEPS	211 050

AXIS 5: MAJOR SOCIETAL CHALLENGES

Acronym	Title		Coordinator/Promoters	Institution	TOTAL (€)
UN-MENAMAIS	UNderstanding the MEchanisms, NAture, MAgnitude and Impact of Sexual violence in Belgium	C	Keygnaert Ines	UGent	1 500 000
		P2	Vandeviver Christophe Vanderbeken Tom	UGent	
		P3	Lemonne Anne Renard Bertrand	INCC-NICC	
		P4	Nisen Laurent	ULg	
PUMOMIG	Public opinion, mobilisations and policies concerning asylum seekers and refugees in anti-immigrants times (Europe and Belgium)	C	Rea Andrea	ULB	689 844
		P2	Meuleman Bart	KULeuven	
		P3	Martiniello Marco	ULg	

AXIS 6: MANAGEMENT OF COLLECTIONS

Acronym	Title		Coordinator/Promoters	Institution	TOTAL (€)
METOX	Metal-oxalates in the 15th and 16th Century Southern Netherlandish oil paintings	C	Jana Sanyova	IRPA-KIK	572 848
		P2	Koen Janssens	UAntwerpen	
		P3	Véronique Bücken	MRBAB-KMSKB	
		P4	Arnaud Delcorte	UCL	
		INT1	Marika Spring	National Gallery of London (UK)	
		INT2	Marine Cotte	European Synchrotron Radiation Facility (Fr)	

PIONEER PROJECTS

Acronym	Title		Coordinator/Promotors	Institution	Budget (€)
NPSSAY	Development and implementation of a new psychoactive substances receptor activation assay	C	WILLE Sarah	INCC-NICC	150 000
		P2	STOVE Christophe	UGent	
PMOLLUGENIX-V2	Strategy to evaluate health risks of air pollution episodes in vulnerable individuals	C	ROOSENS Nancy	ISP-WIV	149 997
		P2	DE KEERSMAECKER Sigrid	ISP-WIV	
		P3	DE CREMER Koen	ISP-WIV	
		P4	TERSAGO Katrien	ISP-WIV	
		P5	BERNARD Alfred	UCL	
		P6	NAWROT Tim	UHasselt	
		INT1	BALMES John R	University of California (USA)	
SACH4	Source attribution of methane using satellite observations, isotopic measurements and GEOS-Chem simulations	C	DE WACHTER Evelyn	IASB-BIRA	149 780
		P2	MAHIEU Emmanuel	ULg	
TEMAS	Thesaurus of Early Modern Archival Sources	C	PUT Eddy	AGR-ARA	136 500
		P2	AERTS Erik	KULeuven	
TRAIL	TRoJan snAILS: the role of gastropod snails in disease transmission revealed by state-of-the-art molecular techniques	C	HUYSE Tine	MRAC-KMMA	149 730
		P2	VAN BOCXLAER Bert	UGent	
		INT1	ALBRECHT Christian	University Giessen (DE)	
3DSPECTRAL	Revealing secrets: Multispectral 3D digitization of Cultural Heritage and Natural History Collections	C	VAN DEN SPIEGEL Didier	MRAC-KMMA	150 000
		P2	SEMAL Patrick	IRSNB-KBIN	
		INT1	HESS Mona	University College London (UK)	
CARNAGES	Critical analysis of the CARNivoran mammal success during the early AGES	C	SMITH Thierry	IRSNB-KBIN	148 270
		P2	SPEIJER Robert P.	KULeuven	
		P3	FISCHER Valentin	ULg	
		INT1	PEIGNE Stéphane	Muséum National d'Histoire Naturelle (FR)	
ESIX	Eyckian Works with Scientific Imagery and Macro X-Ray Fluorescence scan	C	FRANSEN Bart	IRPA-KIK	150 000
GEN-EX	Metagenomics of Extreme Wave Events	C	HEYVAERT Vanessa SCHÖN Isa	IRSNB-KBIN	149 979
		INT1	DAWSON Sue	University of Dundee (UK)	
LARGE-MEM	Understanding groundwater effect on seismic velocities from a LargeN array using gravimetry	C	LECOQC Thomas	ORB-KSB	149 950

PARAWINGS	Extending the genomic toolbox to decipher lineage-wide parallel wing evolution	C	HENDRICKX Frederik	IRSNB-KBIN	149 580
PIXEL+	PIXEL+, Universal Web Interface for Interactive Pixel-Based File Formats	C	VASTENHOUD Chris	MRAH-KMKG	144 550
		NFP2	PROESMANS Marc	KULeuven	
		NFP3	WATTEEUW Lieve	KULeuven	
		NFP4	LEMMERS Frédéric	KBR	
ROBOSWOP	The Robotic Space Weather Operator	C	BOURGOIGNIE Bram	ORB-KSB	149 800
		INT1	BAUER AQUINO Carlos Augusto	Instituto Federal de Educação	