

# BRAIN-be

BELGIAN RESEARCH ACTION THROUGH INTERDISCIPLINARY NETWORKS



## **Selected projects Call for proposals 2014: Network projects**

Axis 2: Geosystems, Universe & Climate  
Axis 3: Cultural, historical and scientific heritage  
Axis 5: Major societal challenges

## **Pioneer projects**

**AXIS 2: GEOSYSTEMS, UNIVERSE & CLIMATE**

Acronym	Title		Coordinator/Promoters	Institution	Budget (€)	TOTAL (€)
<b>AEROCLOUD</b>	How do aerosols and clouds affect the East Antarctic climate?	C	<b>VAN LIPZIG Nicole</b>	KULeuven	314 400	<b>628 346</b>
		P2	DEBACKER Hugo	IRM-KMI	190 922	
		P3	VAN ROOZENDAEL Michel	IASB-BIRA	123 024	
<b>BRASS</b>	The Belgian Repository of fundamental Atomic data and Stellar Spectra	C	<b>LOBEL Alex</b>	ORB-KSB	315 462	<b>526 362</b>
		P2	ROYER Pierre	KULeuven	210 900	
<b>COME-IN</b>	Constraining Mercury's interior structure and evolution	C	<b>VAN HOOLST Tim</b>	ORB-KSB	348 535	<b>557 324</b>
		P2	CHARLIER Bernard	Ulg	208 789	
<b>CORDEX.BE</b>	COmbining Regional Downscaling EXpertise in Belgium: CORDEX and beyond	C	<b>TERMONIA Piet</b>	IRM-KMI	144 900	<b>1 022 525</b>
		P2	WILLEMS Patrick	KULeuven	138 600	
		P3	VAN LIPZIG Nicole	KULeuven	138 425	
		P4	VAN YPERSELE Jean-Pascal	UCL	138 600	
		P5	FETTWEIS Xavier	Ulg	92 400	
		P6	DE RIDDER Koen & GOBIN Anne	VITO	138 600	
		P7	STAVRAKOU Trissevgeni	IASB-BIRA	92 400	
		P8	LUYTEN Patrick & VANDEN EYNDE Dries & DULIERE Valérie	IRSNB-KBIN	92 400	
		P9	POTTIAUX Eric	ORB-KSB	46 200	
<b>INDI67</b>	Developments of methods to improve the monitoring of MSFD indicators 6 and 7	C	<b>FETTWEIS Michael</b>	IRSNB-KBIN	458 666	<b>648 271</b>
		P2	TOORMAN Erik & MONBALIU Jaak	KULeuven	189 605	
<b>METRO</b>	Meteor Trajectories and Origins	C	<b>DE KEYSER Johan</b>	IASB-BIRA	245 722	<b>312 422</b>
		P2	MAGIN Thierry	VKI	66 700	
<b>NEWSTHEPS</b>	New Sampling Tools for Heritage & Emerging Pollutants to facilitate GES assessment in the Marine Environment	C	<b>ROOSE Patrick &amp; PARMENTIER Koen</b>	IRSNB-KBIN	414 180	<b>1 200 000</b>
		P2	JANSSEN Colin & DE SCHAMPHELAERE Karel	UGent	196 455	
		P3	DEMEESTERE Kristof & VAN LANGENHOVE Herman	UGent	196 455	
		P4	VANHAECKE Lynn	UGent	196 455	
		P5	GAO Yue & BAEYENS Willy	VUB	196 455	
<b>SCOOP</b>	Towards a SynergistiC study Of the atmOsphere of terrestrial Planets	C	<b>WILQUET Valérie</b>	IASB-BIRA	262 190	<b>500 986</b>
		P2	HUBERT Benoît & GERARD Jean-Claude	Ulg	238 796	
<b>STARLAB</b>	Evolved stars and their shells: Laboratories for stellar physics	C	<b>JORISSEN Alain</b>	ULB	216 322	<b>653 266</b>
		P2	GROENEWEGEN Martin	ORB-KSB	221 672	
		P3	WAELEKENS Christoffel	KULeuven	215 272	

**AXIS 3: CULTURAL, HISTORICAL AND SCIENTIFIC HERITAGE**

Acronym	Title		Coordinator/Promoters	Institution	Budget (€)	TOTAL (€)
<b>COLDCASE</b>	Re-opening of the Bernissart Iguanodon crime scene	C	<b>GODEFROIT Pascal</b>	IRSNB-KBIN	362 165	<b>877 448</b>
		P2	CLAEYS Philippe	VUB	262 458	
		P3	BAELE Jean-Marc	UMons	252 825	
<b>CONGOCONNECT</b>	Connections/Collections: power objects and institutions in north-east Congo (1800-1960)	C	<b>STROEKEN Koen</b>	UGent	348 625	<b>752 275</b>
		P2	COUTTENIER Maarten	MRAC-KMMA	187 850	
		P3	CHIKHA Chokri Ben	HoGent	215 800	
<b>EACOM</b>	Egyptian and African Copper Metallurgy in Federal Collections: Contextualisation, Preservation, Patrimonial Value	C	<b>DELVAUX Luc</b>	MRAH-KMKG	269 102	<b>679 007</b>
		P2	SMITH Alexandre	MRAC-KMMA	259 755	
		P3	DEGRYSE Patrick	KULeuven	150 150	
		P4	NIKIS Nicolas	ULB	0	
		P5	DE PUTTER Thierry	MRAC-KMMA	0	
<b>GRES-P-HEALTH</b>	Impact of green/blue spaces on specific morbidity and cause-specific mortality in Belgium	C	<b>NEMERY Benoit</b>	KULeuven	199 658	<b>808 758</b>
		P2	THOMAS Isabelle	UCL	121 536	
		P3	NAWROT Tim	UHasselt	121 883	
		P4	BOULAND Catherine	ULB	121 903	
		P5	DEBOOSERE Patrick	VUB	121 903	
		P6	VAN NIEUWENHUYSE An	ISP-WIV	121 875	
<b>HERBAXYLAREDD</b>	Interdisciplinary exploitation of the federal Herbarium and Xylarium for tropical forest management	C	<b>BEECKMAN Hans</b>	MRAC-KMMA	301 500	<b>875 063</b>
		P2	JANSSENS Steven	JBB-NPB	242 130	
		P3	FAYOLLE Adeline	ULg	139 703	
		P4	VAN ACKER Joris	UGent	191 730	
<b>IMMIBEL</b>	Outcast or Embraced? Clusters of Foreign Immigrants in Belgium, c. 1840-1890	C	<b>WINTER Anne</b>	VUB	379 580	<b>896 930</b>
		P2	BERTRAMS Kenneth	ULB	186 800	
		P3	GREEFS Hilde	UA	186 800	
		P4	WILLEMS Bart	AGR-ARA	143 750	
<b>JUSINBELGIUM</b>	A century of pioneering case-law. A digital database of Belgian precedents of international justice, 1914-2014	C	<b>LAGROU Pieter</b>	ULB	276 700	<b>684 925</b>
		P2	DUBOIS Sébastien	AGR-ARA	215 650	
		P3	WOUTERS Jan	KULeuven	192 575	

## AXIS 5: MAJOR SOCIETAL CHALLENGES

Acronym	Title		Coordinator/Promoters	Institution	Budget (€)	TOTAL (€)
<b>ALPI</b>	Assessment of Low carbon society Policy Instruments	C	<b>BUYSSE Jeroen</b>	UGent	159 641	<b>473 552</b>
		P2	VAN PASSEL Steven	UHasselt	124 555	
		P3	BOURGEOIS Marc, PEETERS Bart	ULg	117 810	
		P4	PETITCLERC Estelle, PIESSENS Kris	IRSNB-KBIN	71 546	
<b>IDEALIC</b>	Inclusion through Digital Empowerment and Autonomy across the Life Course	C	<b>VAN AUDENHOVE Leo</b>	VUB	451 271	<b>764 656</b>
		P2	VALENDUC Gérard, VENDRAMIN Patricia	FTU	313 385	
<b>IECOMAT</b>	Integrated Economic Modeling Of Material Flows	C	<b>EYCKMANS Johan, ROUSSEAU Sandra</b>	KULeuven	200 574	<b>797 280</b>
		P2	GEERKEN Theo	VITO	384 788	
		P3	BRECHET Thierry	UCL	211 918	
<b>LITME@WORK</b>	Digital and media literacy in teamwork and distance work environments	C	<b>COLLARD Anne-Sophie</b>	UNamur	331 346	<b>1 030 957</b>
		P2	FASTREZ Pierre, DE SMEDT Thierry	UCL	170 732	
		P3	PATRIARCHE Geoffroy	USL-B	227 968	
		P4	RAMIOUL Monique	KULeuven	300 911	
<b>MADDLAIN</b>	Identifying Needs to Modernize Access to Digital Data in Libraries and Archives	C	<b>GILLET Florence</b>	CEGES-SOMA	140 470	<b>448 418</b>
		P2	VANDEPONTSEELE Sophie	KBR	70 150	
		P3	VANCOPPENOLLE Chantal, DEPOORTERE Rolande	AGR-ARA	67 626	
		P4	VAN HOOLAND Seth	ULB	71 922	
		P5	MANNENS Erik	iMinds	98 250	
<b>SUSPENS</b>	Reconciling environmental and social goals in the transition towards a low-carbon society	C	<b>VERBIST Gerlinde, GOEDEMÉ Tim, CANTILLON Béa</b>	UAntwerpen	428 268	<b>886 626</b>
		P2	FRÈRE Jean-Marie	BFP-FPB	262 240	
		P3	BAULER Tom, ZACCAÏ Edwin	ULB	196 118	

## PIONEER PROJECTS

Acronym	Title		Coordinator/Promotors	Institution	Budget (€)	TOTAL (€)
<b>APTADRU</b>	Finger-tip biosensor for the on-site selective detection of cocaine.	C	<b>VAN DURME Filip</b>	INCC-NICC	123 156	<b>150 000</b>
		P2	DE WAEL Karolien	UA	26 844	
<b>BELVIRUS-WWE</b>	Belgian Virtual Museum of World War II	C	<b>VELLE Karel</b>	AGR-ARA	148 815	<b>148 815</b>
<b>LATTECO</b>	Lateral gene transfer as a radically novel mechanism for ecological adaptations	C	<b>SCHON Isa</b>	IRSNB-KBIN	149 601	<b>149 601</b>
<b>LOTIDE</b>	Localized Tidal Heating on Enceladus	C	<b>BEUTHE Michael</b>	ORB-KSB	150 000	<b>150 000</b>
<b>SPADE</b>	SPADE, a fully digital prototype of a phased-array radio solar spectrograph	C	<b>MARQUE Christophe</b>	ORB-KSB	149 863	<b>149 863</b>
<b>SPIDER</b>	Solar Irradiation from the Energy Production of Residential PV systems	C	<b>BERTRAND Cédric</b>	IRM-KMI	149 998	<b>149 998</b>
<b>SYRPINTINE</b>	The Study of Syrphidae-Plant Interactions Introducing Next-Generation Sequencing Technologies	C	<b>JORDAENS Kurt</b>	MRAC-KMMA	129 376	<b>149 326</b>
		P2	JANSSENS Steven	JBB-NPB	19 950	