



Overview interventions in Cuba



Legend

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|--|---|--|---|
| Universidad de la Habana |  | Universidad de Cienfuegos |  |
| Universidad Central "Marta Abreu" de las Villas |  | Universidad de Holguin |  |
| Universidad de Oriente |  | Universidad de Camaguéy |  |
| Universidad "José Martí Pérez" |  | Universidad de Pinar del Río |  |
| Universidad Tecnológica de la Habana "José Antonio Echevarría" |  | Universidad de las Ciencias Informáticas |  |
| Universidad de Granma |  | Universidad Agraria de la Habana |  |
| Centro de Neurociencias de Cuba |  | Centro Nacional de Sanidad Agropecuaria |  |
| Institute of Tropical Medicine "Pedro Kouri" |  | Universidad de las Artes |  |

Projects 2003-2020		
Type	Budget (€)	Number
Total	23 849 451	82
IUC	11 315 000	2
Networks	2 045 000	1
TEAM	7 717 900	27
SI	1 271 370	22
RIP	299 294	3
JOINT	284 604	3
Crosscutting	916 283	24

Ongoing projects in 2020		
Type	Budget in 2020 (€)	Number
Total	1 809 879	20
IUC	570 000	1
Networks	250 000	1
TEAM	721 006	11
SI	149 206	4
JOINT	119 667	3

Scholarships 2003-2019		
Type	Budget (€)	Number
Total	541 703	132
Short term		
Subtotal	365 261	126
ITP	153 257	24
KOI	12 219	6
REI*	85 410	81
Other scholarships	114 375	15
Study		
Subtotal	176 443	6
ICP	176 443	6

*Travel grants 2019 has not yet been finalised.

List of projects 2003-2020						
Type	Runtime	Title	Flemish promoter	Local promoter	Local institution	Total budget (€)
IUC	2003-2014	Institutional University Cooperation with Universidad Central "Marta Abreu" de las Villas (phase 1, phase 2 and phase-out)	E. Van Driessche (VUB)	A.R. Gonzalez	Universidad Central "Marta Abreu" de las Villas	6.655.000
IUC	2013-2022	Institutional University Cooperation with Universidad de Oriente (UO) (phase 1 and phase 2)	H. Sahli (VUB)	H.C. Fals T.O. Ratón	Universidad de Oriente	5.630.000
Networks	2013-2022	Network ICT (phase 1 and phase 2)	G. Eisendrath (VUB) A. Nowé (VUB)	H.C. Enriquez	Universidad Central "Marta Abreu" de las Villas	2.545.000
TEAM	2005-2011	Capacity building of UNAH and CENHICA in view of a soil and water conservation programme in the Rio Cuyaguatete watershed in Western Cuba	D. Gabriëls (UG)	M.E. Ruiz	Universidad Agraria de la Habana	309.898
TEAM	2006-2011	A Cuban-Flemish training and research program in medical statistics and bioinformatics	G. Molenberghs (UH)	J.V. Valdes	Universidad de la Habana	299.783
TEAM	2008-2012	Production and evaluation of antigens from Mycobacterium tuberculosis and Dengue virus as tools in diagnostics and for vaccine development	J. Anné (KUL)	C. Vallín	Centre for Pharmaceutical Chemistry	236.547
TEAM	2008-2013	Saline Crops solve soil salinity in Eastern Cuba: institutional strengthening and capacity building for research and development	R. Samson (UA)	R.C.L. Sánchez	Universidad de Granma	302.641
TEAM	2008-2014	HIV drug resistance testing in Cuba	A.-M. Vandamme (KUL)	V.K. Cardellá	Instituto de Medicina Tropical "Pedro Kourí"	309.611
TEAM	2008-2011	Establishing a Centre for Cleaner Production to contribute to the socio-environmental development of the province of Cienfuegos, Cuba	L. Hens (VUB)	P.A. Ochoa	Universidad de Cienfuegos	262.862
TEAM	2009-2014	Improvement of Cuban Dairy Cattle Genetics as an Aid to Increase Milk Production Potential	P. Bols (UA)	R.D. Garcia	Centro de Investigaciones para el Mejoramiento Animal de la Ganadería Tropical	271.016
TEAM	2009-2014	Biogas production from waste from local food, wood and sugar cane industries for increasing self-sufficiency of energy in Sancti Spiritus, Cuba	J. Dewulf (UG)	O. Romero	Universidad "José Martí Pérez"	328.995
TEAM	2009-2014	Knowledge cell on biofuels (from non-edible crops and waste products) for use in internal combustion engines	R. Sierens (UG)	L.G. Pérez	Universidad Tecnológica de la Habana "Jose Antonio Echeverría"	322.649
TEAM	2011-2015	Molecular characterisation and valorisation of Cuban natural products	W. Vanden Berghe (UA)	R.D. Hernández	Drug Research and Development Center	299.574
TEAM	2011-2015	A Cuban-Flemish formation and research program in biomechanics and biomaterials	P. Segers (UG)	T.R. Moliner	Universidad Tecnológica de la Habana "Jose Antonio Echeverría"	299.758
TEAM	2015-2018	A Cuban network of cleaner production (CP) centres and strengthening education and research on CP	D. Haeseldonckx (KUL)	J.J.C. Eras	Universidad de Cienfuegos	269.566
TEAM	2015-2018	Arbuscular Mycorrhizal Fungi (AMF) as an efficient tool to improve the agricultural production of small scale local farmers in Cuba	G. Haesaert (UG)	K.H. Suárez	Universidad Agraria de la Habana	299.816

List of projects 2003-2020

Type	Runtime	Title	Flemish promoter	Local promoter	Local institution	Total budget (€)
TEAM	2016-2020	Implementation of a state of the art reference center for pharmaceutical and pharmacological studies in Cuba, to support the use of natural product formulations composed of indigenous phytomedicinal and nutraceutical molecules	L. Pieters (UA)	R.D. Hernández	Universidad de la Habana	299.014
TEAM	2016-2020	Vibration-based assessment of civil engineering structures (VIBRAS)	G. Lombaert (KUL)	E.L.C. Méndez	Universidad Central "Marta Abreu" de las Villas	294.071
TEAM	2016-2020	Implementation of personalized medicine and pharmaco(epi)genetic biomarkers for costeffective	W. Vanden Berghe (UA)	I.R. Guerra	Centre of Marine Bioproducts	299.236
TEAM	2017-2020	A Cuban National School of Neurotechnology for Cognitive Aging	D. Marinazzo (UG)	P.A. Valdes-Sosa	Centro de Neurociencias de Cuba	299.596
TEAM	2017-2020	Eco-friendly multidisciplinary approaches for controlling and harnessing Marabú (<i>Dichrostachys cinerea</i>) in central eastern Cuba	S. De Neve (UG)	L.F. Vila	Universidad de Camagüey	299.608
TEAM	2017-2020	Gait Assessment Lab, an Engineering approach (GALEN)	P. Segers (UG)	T.R. Moliner	Universidad Tecnológica de la Habana "Jose Antonio Echeverría"	299.960
TEAM	2017-2020	In vitro Plant biotechnology to increase food security in eastern Cuba	S. Werbrouck (UG)	J.J.S. Pupo	Universidad de Granma	300.000
TEAM	2017-2020	Installing a center of excellence in the Central-Eastern region of Cuba to enhance production and research on bioactive plants	P. Cos (UA)	E. Molina	Universidad de Camagüey	299.889
TEAM	2017-2020	Renewable energy and bioclimatic architecture improving sustainability and development in ecotouristic settlement: Las Terrazas	A. Janssens (UG)	L.A.R. Guzmán	Universidad Tecnológica de la Habana "Jose Antonio Echeverría"	300.000
TEAM	2018-2021	Improving the Synthetic Chemistry Expertise of the Cuban Academic Sector to Support the Development of Products and Applications for the Agrochemical and Phar-	E. Van der Eycken (KUL)	E. O. Rodríguez	Universidad de La Habana	279.932
TEAM	2018-2021	Capacity building of a compound screening facility for Cuban-developed bioactive compounds targeting cell death and inflammation	P. Vandenabeele (UG)	G.P. Andreu	Universidad de La Habana	279.627
TEAM	2018-2021	Improvement of shrimp culture using transgenerational conditioning in Cuba	P. Bossier (UG)	A. Arenal	Universidad de Camagüey	276.016
TEAM	2019-2022	Control of antimicrobial resistance in bacteria of animal origin in Cuba in order to improve animal and human health	P. Butaye (UG)	I. Espinosa	Centro Nacional de Sanidad Agropecuaria	279.847
TEAM	2019-2022	Improving Cow Milk Production Potential by Introducing a Herd Health Management Program on Camagüey's Dairy Farms in Cuba	P. Bols (UA)	G. Garay	Universidad de Camagüey	265.562
SI	2003-2004	Follow-up project to an Own Initiative with Instituto Superior Politécnico "José Antonio Echevarría"	E. Wettinck (UG)	L.G. Pérez	Universidad Tecnológica de la Habana "Jose Antonio Echeverría"	3.888
SI	2007-2008	Maintenance strategy for engines to reduce fuel consumption (energy), emissions (environment) and the increase of corporate reliability (profitability)	R. Sierens (UG)	L.G. Pérez	Universidad Tecnológica de la Habana "Jose Antonio Echeverría"	4.188
SI	2007-2008	Fermentation of organic waste from agriculture, forestry and sugar production from sugarcane for biogas production in Sancti Spiritus	J. Dewulf (UG)	O. Romero	Universidad "José Martí Pérez"	6.476

List of projects 2003-2020

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SI	2007-2007	The preservation of the vitro grown plant tissue cultures and application for the production of secondary metabolites with potential to control economically important	D. Geelen (UG)	M. Martinez-Montero	Centro de Bioplasmas	8.424
SI	2012-2014	Computational techniques for engineering applications	D. Roose (KUL)	C.R. Morfa	Universidad Central "Marta Abreu" de las Villas	49.495
SI	2012-2014	Microwave-assisted synthesis of hybrid compounds based on privileged structures: addressing technical capability on different scales	E. Van der Eycken (KUL)	E.O. Rodríguez	Universidad de la Habana	66.076
SI	2013-2015	Cleaner production in the city of Cienfuegos, Cuba and sustainability of the city	C. Vandecasteele (KUL)	J.J.C. Eras	Universidad de Cienfuegos	74.905
SI	2013-2015	Food security, commercialization and regional development networks	M. Loopmans (KUL)	R.G. Sousa	Universidad de la Habana	72.844
SI	2013-2015	Functional characterisation of antimicrobial peptides from marine invertebrates with potential use as therapeutics	J. Tytgat (KUL)	E.P. Bravet	Centre for Pharmaceuticals Research and Development	74.869
SI	2013-2015	Strengthening local capacities for food sustainability in agricultural communities: a case study from the municipality of Calixto García (Eastern Cuba)	L. Vranken (KUL)	N.A. Pérez	Universidad de Holguín	73.316
SI	2013-2015	Structure-activity analysis of a novel peptidase inhibitor from the Caribbean spiny lobster, <i>Panulirus argus</i> . A scaffold for development of biopharmaceutical leads	J. Vanden Broeck (KUL)	R. Perdomo-Morales	Centre for Pharmaceuticals Research and Development	74.732
SI	2013-2015	The effect of helminth infections on dairy productivity in Camagüey province, Cuba	J. Vercruyse (UG)	R. Guevara	Universidad de Camagüey	74.910
SI	2014-2016	Improving sustainable shrimp larviculture in Cuba	P. Bossier (UG)	A. Arenal	Universidad de Camagüey	75.000
SI	2014-2016	High performance computing software for bioinformatics applications	D. Roose (KUL)	R. Trujill-Rasúa	Universidad de las Ciencias Informáticas	74.708
SI	2014-2016	Ecophysiological characterization of <i>Coccoloba uvifera</i> L.: The case of a salt and drought stress tolerant plant species for sand dune reclamation in Cuba	R. Samson (UA)	R.C.L. Sánchez	Universidad de Granma	67.216
SI	2014-2016	Emulsified systems for biofuels. Assessment of their performance in diesel engines	S. Verhelst (UG)	R.P. Rodriguez	Universidad Tecnológica de la Habana "Jose Antonio Echeverría"	71.968
SI	2017-2018	Strengthening co-responsible elderly care in current Cuban context through gender equity mainstreaming and elder's wellbeing	P. Bracke (UG)	A.I. Peña	Universidad de la Habana	50.326
SI	2018-2019	Characterization of fungi and mycotoxins in the bean chain in the province of Mayabeque, Cuba	S. De Saeger (UG)	A. Escobar	Centro Nacional de Sanidad Agropecuaria	68.134
SI	2019-2020	AIR@PORT: Low-cost decision support system to evaluate the impact of ships on the air quality in the port city Cienfuegos	W. Jacobs (HZS)	L.H. Santana	Universidad Central "Marta Abreu" de las Villas	69.992
SI	2019-2020	TIME-LABS: Cuba Photography Missions	B. Danckaert (AP)	O.R. Gonzales	Universidad de las Artes	69.939

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Type	Runtime	Title	Flemish promoter	Local promoter	Local institution	Total budget (€)
SI	2019-2020	Knowledge transfer of new techniques for defining factors influencing Dengue/Zika infection evolution in Cuba	X. Van Ostade (UA)	B. Sierra	Institute of Tropical Medicine "Pedro Kouri"	69.985
SI	2019-2020	Play! for food: Improving food production and social welfare in the province of Camagüey	W. Verbeke (VUB)	I.M.G. Torres	Universidad de Camagüey	69.979
JOINT	2018-2020	A Cuban-Flemish Training and Research Program in Data Science and Big Data Analysis	D. Valkenburg	C. Bouza	Universidad de La Habana	107.988
JOINT	2019-2021	Quality control and monitoring of scientific research output on national and institutional level	M. Goovaerts (UH)	Y.M. Lahera	Universidad de La Habana	120.702
JOINT	2019-2021	Strengthening Research Practice in Biopharmaceutical In Silico Modelling through Scientific Computing	D. Roefs (UG)	H.C. Enriquez	Universidad Central "Marta Abreu" de las Villas	134.697
RIP	2014-2017	Characterization and analysis of particulate compounds in multiple workplace atmospheres	P. Van Espen (UA)	D.A. Sánchez	Universidad Central "Marta Abreu" de las Villas	99.315
RIP	2015-2018	Digestive and pre-digestive microbial strategies to optimize utilization of feed with high amounts of anti-nutritional factors	V. Fievez (UG)	R.L. Orozco	Universidad Central "Marta Abreu" de las Villas	99.979
RIP	2016-2020	Genome editing for crop improvement in Musa spp.	G. Angenon (VUB)	B.C. Pérez	Universidad Central "Marta Abreu" de las Villas	100.000
Crosscutting	2005-2007	Close the Gap 2005 with Universidad Central "Marta Abreu" de las Villas	n/a	L.H. Santana	Universidad Central "Marta Abreu" de las Villas	39.939
Crosscutting	2006-2008	Close the Gap 2006 with Universidad Central "Marta Abreu" de las Villas	n/a	A. Rubio	Universidad Central "Marta Abreu" de las Villas	43.739
Crosscutting	2007-2008	Improving ICT infrastructure in Universidad Central "Marta Abreu" de las Villas	E. Van Driessche (VUB)	F. Herrera	Universidad Central "Marta Abreu" de las Villas	176.000
Crosscutting	2007-2009	Close the Gap 2007 with Universidad Central "Marta Abreu" de las Villas	n/a	L.H. Santana	Universidad Central "Marta Abreu" de las Villas	58.028
Crosscutting	2009-2010	ICT in Education	G. Eisendrath (VUB)	R.V. Rodríguez	Universidad Central "Marta Abreu" de las Villas	30.705
Crosscutting	2009-2010	Close the Gap 2009 with Universidad Central "Marta Abreu" de las Villas	n/a	L.H. Santana	Universidad Central "Marta Abreu" de las Villas	38.920
Crosscutting	2010-2011	Close the Gap 2010 with Universidad Central "Marta Abreu" de las Villas	n/a	L.H. Santana	Universidad Central "Marta Abreu" de las Villas	34.851
Crosscutting	2012-2012	ICT Nationwide Network	G. Eisendrath (VUB)	R.V. Rodríguez	Universidad Central "Marta Abreu" de las Villas	23.632
Crosscutting	2012-2013	ICT Datacenter	R. Gevaert (UG)	n/a	n/a	17.428

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Crosscutting	2012-2014	Close the Gap 2012 with Universidad Central "Marta Abreu" de las Villas	n/a	R.V. Rodríguez	Universidad Central "Marta Abreu" de las Villas	36.377
Crosscutting	2014-2015	Close the Gap ICT Outreach project with Universidad de Oriente	n/a	R.A.R. Valladares	Universidad de Oriente	35.575
Crosscutting	2014-2016	Close the Gap ICT Outreach project with Universidad Central "Marta Abreu" de las Villas	n/a	L.H. Santana	Universidad Central "Marta Abreu" de las Villas	32.810
Crosscutting	2011-2013	ICT in Universidad Central "Marta Abreu" de las Villas	R. Gevaert (UG)	H.C. Enriquez	Universidad Central "Marta Abreu" de las Villas	37.647
Crosscutting	2014-2015	Statistical research planning in action	E. Schrevens (KUL)	L.H. Santana	Universidad Central "Marta Abreu" de las Villas	19.643
Crosscutting	2014-2015	Improvement in the understanding and teaching of livestock environment interaction	J. Elen (KUL)	L. Gomez	Universidad de Oriente	37.070
Crosscutting	2015-2016	Latin-American axe on preventive conservation of built heritage	K. Van Balen (KUL)	M.T.M. Castillo	Universidad de Oriente	37.500
Crosscutting	2015-2016	Agro-ecosystems mapping by low cost photogrammetry, based on Unmanned Aerial Vehicles (UAV): towards optimal implementation and data analysis	E. Schrevens (KUL)	L.H. Santana	Universidad Central "Marta Abreu" de las Villas	18.750
Crosscutting	2015-2016	Developing a common quality control methodology and criteria evaluating the toxicological risk in traditionally used medicinal plants	Y. Vander Heyden (VUB)	M.E.J. Rodríguez R.D. Hernández	Universidad Central "Marta Abreu" de las Villas Research and Development Center for Pharmaceutical Drug Research and Development	37.499
Crosscutting	2016-2016	Nationwide dissemination of research tools and education environments for use in Higher Education	G. Eisendrath (VUB)	H. C. Enriquez	Universidad Central "Marta Abreu" de las Villas	44.506

Abbreviations (type): IUC=Institutional University Cooperation; SI=South Initiatives; RIP=Research Initiatives Programme; VLADOC=Flemish doctoral scholarships.

Abbreviations (Flemish institutions): KUL= KU Leuven; UG=Ghent University; UA=University of Antwerp; UH=University of Hasselt; VUB=Vrije Universiteit Brussel; HZS=Antwerp Maritime Academy; AP=Artesis Plantijn University College.