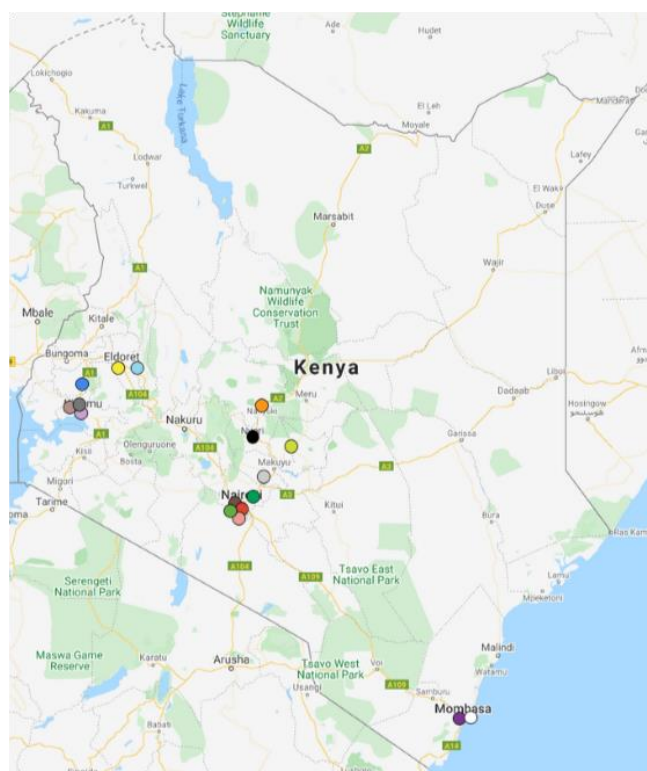


Overview interventions in Kenya



Legend

Moi University	
Kenyatta University	
Masinde Muliro University of Science and Technology	
University of Nairobi	
Pwani University College	
University of Eldoret	
Technical University of Kenya	
Meru University of Science and Technology	
Deedan Kimathi University of Technology	
Jomo Kenyatta University of Agriculture and Technology	
University of Embu	
Kenya Marine and Fisheries Institute	
Kenya Wildlife Service	
Maseno University	
Kenya Agricultural Research Institute	
Kenya Medical Research Institute	
Technical University of Mombasa	

Projects 2003-2021		
Type	Budget (€)	Number
Total	18.326.533	58
IUC	11.567.380	4
TEAM	4.321.216	16
SI	689.475	11
RIP	199.992	2
JOINT	418.234	3
Crosscutting	930.236	21
ICT Infrastructure	200.000	1

Ongoing projects in 2021		
Type	Budget in 2021 (€)	Number
Total	963.835	19
IUC	490.118	2
TEAM	312.358	10
SI	84.759	4
JOINT	76.600	3

Scholarships 2003-2020		
Type	Budget (€)	Number
Total	13.405.873	767
Ph.D.		
Subtotal	3.289.831	27
ICP Ph.D.	2.050.829	19
VLADOC	1.239.002	8
Short term		
Subtotal	1.124.346	470
ITP	488.904	78
KOI	160.099	80
REI	281.391	281
Other scholarships	193.952	31
Study		
Subtotal	8.991.696	270
ICP	8.991.696	270

List of projects 2003-2021

Type	Runtime	Title	Flemish promoter	Local promoter	Local institution	Total budget (€)
IUC	2003-2007	Institutional University Cooperation with University of Nairobi (phase 2 and phase-out)	G. Eisendrath (VUB)	K. Mavuthi	University of Nairobi	3.182.379
IUC	2005-2017	Institutional University Cooperation with Moi University (phase-in, phase 1 and 2, and phase-out))	B. Manderick (VUB)	S. Shitote (phase 1) J. Githaiga (phase 2)	Moi University	6.330.000
IUC	2015-2021	Institutional University Cooperation with Jomo Kenyatta University of Agriculture and Technology (phase-in and phase 1)	M. Hendrickx (KUL)	D.N. Sila	Jomo Kenyatta University of Agriculture and Technology	1.900.000
IUC	2021-2022	Institutional University Cooperation with Jaramogi Oginga Odinga University of Science and Technology (phase-in)	A. Van Griensven (VUB)	B. Estambale	Jaramogi Oginga Odinga University of Science and	160.000
TEAM	2003-2008	Integrated Soil Fertility Management Strategies to Enhance Food Security in the Central Highlands of Kenya	R. Merckx (KUL)	D. Mugendi	Kenyatta University	309.426
TEAM	2006-2012	NUTRIBEAN: Improving food security and quality for low input farmers in the East African Highlands	J. Vanderleyden (KUL)	G. Mbugua	Kenya Agricultural Research Institute	308.814
TEAM	2008-2014	Enhancing farmer's benefits from integrated soil fertility management through improved water use efficiency and better marketing strategies in the Highlands of Central Kenya	J. Diels (KUL)	D. Mugendi	Kenyatta University	309.999
TEAM	2010-2014	Improvement of living standard of rural communities in Kenya through Artemia production in coastal saltworks	P. Bossier (UG)	B.M. Nyonje	Kenya Marine and Fisheries Research Institute	330.000
TEAM	2011-2015	The hard to cook defect in common beans: towards food security and sustainability in sub-Saharan Africa	M. Hendrickx (KUL)	D.N. Sila	Jomo Kenyatta University of Agriculture and Technology	299.769
TEAM	2016-2021	Improved management for nitrate pollution in the Lake Victoria catchment of Kenya	P. Boeckx (UG)	S. Mureithi	University of Nairobi	294.686
TEAM	2016-2021	Capacity building network in biostatistics for public health innovation in Kenya	R. Baekers (UH)	S. Mwalili	Jomo Kenyatta University of Agriculture and Technology	292.033
TEAM	2016-2021	Transboundary coastal processes and human resource utilization patterns as a basis for a Kenya-Tanzania conservation area initiative (Trans-Coast)	N. Koedam (VUB)	J. Kairo	Kenya Marine and Fisheries Research Institute	299.361
TEAM	2016-2021	Using the edible insect <i>Ruspolia differens</i> to enhance food security in East Africa	J. Vanden Broeck (KUL)	J. Kinyuru	Jomo Kenyatta University of Agriculture and Technology	299.300
TEAM	2017-2021	Building a strategic framework for aquaculture education in Kenya	G. Van Stappen (UG)	B.m. Nyonje	Kenya Marine and Fisheries Research Institute	299.874
TEAM	2018-2021	Towards a more integrated management of organic waste in Kenya; the production of natural dyes from fruit and vegetable waste	S. De Meester (UG)	J. Githaiga	Moi University	279.964
TEAM	2018-2021	Synergy for mass propagation of elite <i>Melia volkensii</i> clones and exploiting its derived biopesticides	S. Werbrouck (UG)	T.O. Magomere	University of Nairobi	273.494
TEAM	2019-2022	Determining nematode damage and mitigation for increased finger millet productivity for food and nutritional security in Kenya	G. Gheysen (UG)	N. Pili	Moi University	279.998

List of projects 2003-2021

Type	Runtime	Title	Flemish promoter	Local promoter	Local institution	Total budget (€)
TEAM	2019-2022	Insects for Nutrition and Health: Development and Evaluation of Insect-based Complementary Foods for Children in Kenya	X. Gellynck (UG)	J. Kimiywe	Kenyatta University	279.926
TEAM	2019-2022	Climate smart options allowing agricultural intensification for smallholders in the dry zones of the Central Highlands of Kenya	J. Diels (KUL)	D. Mugendi	University of Embu	279.113
SI	2003-2005	Vulgarisation, valorisation or application of research results	P. Kiekens (UG)	J. Githaiga	Moi University	14.700
SI	2005-2006	Nutrition teachers Exchange Programme	P. Kolsteren (UG)	R. Onyango	Maseno University	14.500
SI	2011-2013	Antibiotic resistance in the community in Kenya	P. Butaye (UG)	S. Kariuki	Kenya Medical Research Institute	73.700
SI	2012-2014	Technology development for improving soil fertility, crop yields and food security on small-scale farms in Western Kenya	G. Baert (HoGent)	P. Wandahwa	Masinde Muliro University of Science and Technology	72.940
SI	2012-2014	Strengthening Integrated Natural Resources Management Training Programs at Masters and Undergraduate level at Kenyatta University, Kenya	J. Diels (KUL)	J. Kung'u	Kenyatta University	54.211
SI	2016-2018	Capacity enhancement for teaching, research and extension for management of critical medical devices at public hospitals in Kenya	L. Pintelon (KUL)	P.N. Muchiri	Dedan Kimathi University of Technology	74.998
SI	2016-2018	Joining efforts to produce elite <i>Melia volkensii</i> clones and to validate its derived biopesticides	S. Werbrouck (UG)	T. Magomere	University of Nairobi	75.000
SI	2019-2021	Citizen Science for monitoring MAcRoplastics in Kenya using mobile Technology (C-SMART)	L. Bervoets (UA)	G.N. Atuga	Kenya Marine and Fisheries Research Institute	68.750
SI	2019-2021	Hydrological and biogeochemical indicators to assess ecosystem health and ecological integrity of Mt. Kenya and Aberdares, Kenya	S. Bouillon (KUL)	F. Omengo	Kenya Wildlife Service	69.962
SI	2020-2021	A Pilot Waste and Environmental Pollution Mitigation Using Innovative Renewable Technologies for Mombasa Region in Kenya	W. Deferme (UH)	M. Saulo	Technical University of Mombasa	69.219
SI	2020-2021	Water quality characterization and biosorption for point-of-use drinking water treatment in Athi River Basin, Kenya	K. Demeestere (UG)	M. Okoth	University of Eldoret	69.959
JOINT	2018-2021	Research-based education for sustainable rural development	J. Diels (KUL)	A. Otingal	University of Eldoret	134.534
JOINT	2019-2021	Initiating a Training Network and Capacity Building to Improve Control of Foot-and-Mouth Disease in Kenya and Ethiopia	J. Paeshuyse (KUL)	J. Kamau	University of Nairobi	134.798
JOINT	2020-2021	Directed Breeding Programs for Improved Poultry Livestock by Genetic Bioinformatics Research and Development in Kenya (BIRD)	D. Valkenburg (UH)	S. Ommeh	Jomo Kenyatta University of Agriculture and Technology	89.860
RIP	2010-2013	Impacts of open access to mangrove forests on benthic biodiversity	A. Vanreusel (UG)	A. Muthumbi	University of Nairobi	99.994

List of projects 2003-2021

Type	Runtime	Title	Flemish promoter	Local promoter	Local institution	Total budget (€)
RIP	2011-2014	ICT-supported distance education in institutions of higher learning in Kenya: towards the development of quality indicators and functional parameters	A. Libotton (VUB)	E. Omwenga	University of Nairobi	99.998
Crosscutting	2006-2008	Close the Gap 2005 with University of Nairobi	n/a	K. Mavuti	University of Nairobi	25.640
Crosscutting	2007-2008	Replacement of server room Uninterruptible Power Supply (UPS) and Air Conditioning (AC) facilities and upgrade of inter-campus network links (ICT Infrastructure)	G. Eisendrath (VUB)	E. Omwenga	University of Nairobi	174.000
Crosscutting	2007-2008	Enhancing communication at Moi University through expansion of fibre optic backbone (ICT Infrastructure)	G. Eisendrath (VUB)	A. Muumbo	Moi University	206.000
Crosscutting	2009-2011	Close the Gap 2008 with Moi University	n/a	A. Muumbo	Moi University	43.170
Crosscutting	2009-2011	Close the Gap 2008 with University of Nairobi	n/a	P.W. Wagacha	University of Nairobi	32.100
Crosscutting	2009-2011	Collaboration between University of Nairobi and University of the Western Cape for the development of a training environment for E-Learning (North South South Cooperation)	G. Eisendrath (VUB)	E. Omwenga	University of Nairobi	29.957
Crosscutting	2010-2011	Close the Gap 2009 with University of Nairobi	n/a	B. Estambale	University of Nairobi	35.733
Crosscutting	2011-2013	Close the Gap 2010 with Moi University	n/a	A. Muumbo	Moi University	41.949
Crosscutting	2011-2013	Pilot Research Data Center (North South South Cooperation)	B. Manderick (VUB)	A. Muumbo	Moi University	37.500
Crosscutting	2011-2013	Capacity building in statistics	Z. Shkedy (UH)	K. Kimtai	Moi University	20.470
Crosscutting	2013-2014	Capacity building in statistics	Z. Shkedy (UH)	K. Kimtai	Moi University	10.150
Crosscutting	2014-2015	Capacity development for farm management strategies to improve crop-water productivity using AquaCrop (North South South Cooperation)	D. Raes (KUL)	E.C. Kipkorir	University of Eldoret	13.096
Crosscutting	2014-2016	Statistical research planning in action (North South South Cooperation)	L. Duchateau (UG)	A. Mwangi	Moi University	12.650
Crosscutting	2014-2016	Building institutional capacity in information science teaching and research through joint post graduate education partnership (North South South Cooperation)	E. De Smet (UA)	J. Otiike	Moi University	33.396
Crosscutting	2014-2016	Set-up of a HPV reference centre and establishment of HPV research network within the African region taking VLIR-UOS collaborations as a step stone (North South South)	J. Bogers (UA)	B.O. Khwa-Otsyula	Moi University	19.594
Crosscutting	2014-2016	Remediation of fluoride in drinking water sources: inventory of technologies (North South South Cooperation)	B. Van der Bruggen (KUL)	A.O. Aluoch	Technical University of Kenya	24.867

List of projects 2003-2021

Type	Runtime	Title	Flemish promoter	Local promoter	Local institution	Total budget (€)
Crosscutting	2015-2016	Integrated Development of Apps for Data Science (North South South Cooperation)	B. Manderick (VUB)	E. Ataro P.W. Wagacha	Moi University University of Nairobi	49.971
Crosscutting	2015-2016	An integrated strategy for fluoride removal from drinking water sources: joining the technological expertise in Tanzania, Kenya and Ethiopia (North South South Cooperation)	B. Van der Bruggen (KUL)	A.O. Aluoch	Technical University of Kenya	24.990
ICT Infrastructure	2014-2015	Improving and extending wireless access to ICT users in Moi University	G. Eisendrath (VUB)	E. Ataro	Moi University	200.000

List of ICP Ph.D. scholarships 2003-2020

Type	Runtime	Title	Flemish promoter	Local promoter	Local institution	Total budget (€)
ICP Ph.D.	2003-2017	Assessing the Impacts of Environmental Change on the Hydrologic Cycle of the Lake Victoria Basin	W. Bauwens (VUB)	F. Mutua	University of Nairobi	122.443
ICP Ph.D.	2004-2009	<i>No title available</i>	N. Koedam (VUB)	J. Kairo	Kenya Marine and Fisheries Research Institute	135.993
ICP Ph.D.	2005-2009	Silencing approach using the poly (ADP-ribose) polymerase genes to improve stress tolerance in tropical maize	D. Inzé (UG)	J. Machuka	Kenyatta University	97.118
ICP Ph.D.	2006-2010	Sustainable harvesting and resilience of Cyperus papyrus in wetlands of Kenya	L. Triest (VUB)	A.M. Muasya	National Museums of Kenya	101.242
ICP Ph.D.	2007-2011	Screening for mobile genetic elements in multidrug resistant strains from diarrheal and invasive infections caused by ram negative bacteria in Kenya	B. Goddeeris (KUL)	S. Kariuki	Kenyan Medical Research Institute	99.750
ICP Ph.D.	2008-2012	Feeding ecology of shrimps in tropical mangrove systems of Kenya: The nutritive value of detritus and its use in biological shrimp aquaculture	A. Vanreusel (UG)	R. Ruwa	Kenya Marine and Fisheries Research Institute	105.085
ICP Ph.D.	2009-2013	Assessing the impacts of climate change on hydrologic cycle and water resources of the Mara river basin (East Africa), and the adaptation options	W. Bauwens (VUB)	J. Obando	Kenyatta University	109.908
ICP Ph.D.	2009-2013	Assessment of the status of the artisanal fisheries in the Malindi-Ungwana Bay after a ban on the semi-industrial trawling activity	A. Vanreusel (UG)	E. Kimani	Kenya Marine and Fisheries Research Institute	109.908
ICP Ph.D.	2009-2013	Mangrove wood formation as a basis of sustainable wood production in its climate context: The exemplary case of Mtwapa Creek	N. Koedam (VUB)	J. Kairo	Kenya Marine and Fisheries Research Institute	109.908
ICP Ph.D.	2010-2015	Habitat fragmentation and its impact on the ecosystem functioning of Kenyan seagrass beds	T. Moens (UG)	J.N. Uku	Kenya Marine and Fisheries Research Institute	111.643
ICP Ph.D.	2010-2014	The role of water reservoirs in carbon cycling and biogeochemical functioning of tropical rivers: Case-study of river Tana, Kenya	S. Bouillon (KUL)	P.T. Mwakio	Pwani University College	111.643

List of ICP Ph.D. scholarships 2003-2020

Type	Runtime	Title	Flemish promoter	Local promoter	Local institution	Total budget (€)
ICP Ph.D.	2011-2015	Building resistance to drought in Machakos District, Kenya: The conservation agriculture perspective	W. Cornelis (UG)	B. Okoba	National Agricultural Research Organisation	114.287
ICP Ph.D.	2011-2015	Insect pest infestation on mangrove forests of Kenya: Identification, threats and impacts	N. Koedam (VUB)	E. Kioko	Kenya Marine and Fisheries Research Institute	114.287
ICP Ph.D.	2012-2016	Modulation of energy homeostasis in maize to develop lines with enhanced tolerance to drought and oxidative stress	D. Inzé (UG)	J. Machuka	Kenyatta University	105.010
ICP Ph.D.	2012-2016	Overcoming uncertainties in estimating mangrove carbon: Carbon gradients in wood density and below ground carbon burial in the land-sea ecotone	N. Koedam (VUB)	J. Kairo	Kenya Marine and Fisheries Research Institute	61.902
ICP Ph.D.	2014-2018	Water pollution in Kenya: Chemical analysis from source to use and treatment possibilities	K. Demeestere (UG)	M. Okoth	University of Eldoret	110.175
ICP Ph.D.	2014-2018	Study of the vaginal microbiome in HIV-positive and HIV-negative women in Mombasa, Kenya suffering from Sexually Transmitted Infections, with emphasis on Mycoplasma	M. Vaneechoutte (UG)	P. Gichangi	International Centre for Reproductive Health	110.175
ICP Ph.D.	2014-2018	Climate change impact on groundwater-surface water interaction in a tropical catchment: the case of Nyando River in Kenya	M. Huysmans (VUB)	J. Obando	Kenyatta University	110.175
ICP Ph.D.	2014-2018	Assessment and optimization of dietary selenium intake in Kenya: exploration of biofortification as a solution to the 'hidden hunger'	G. Du Laing (UG)	P.W. Masinde	Meru University of Science and Technology	110.175

List of VLADOC Ph.D. scholarships 2003-2021

Type	Runtime	Title	Flemish promoter	Local promoter	Local institution	Total budget (€)
VLADOC	2003-2007	Cost-benefit analysis of biological and viral parameters to optimize the therapeutic strategies in HIV-seropositive pregnant women in developing countries	M. Temmerman (UG)	n/a	n/a	158.152
VLADOC	2004-2008	Modelling of riverine and tidal influences on the hydrochore dispersal of mangroves and mangrove assemblages: current situation and simulation towards future scenarios	N. Koedam (VUB)	n/a	n/a	158.852
VLADOC	2005-2009	Ex-ante impact evaluation and enhancement of the introduction of soybeans in farming systems on the livelihoods of the rural population in Kenya	J. Deckers (KUL)	n/a	n/a	152.440
VLADOC	2008-2012	Dispersal, connectivity and population viability of birds in a fragmented afro-tropical rainforest	E. Matthysen (UA)	n/a	n/a	152.440
VLADOC	2009-2013	Reversing the downward trend in soil fertility of smallholder farms in Kenya: phosphorus-efficient dual-purpose soybean germplasm as the entry point	R. Merckx (KUL)	n/a	n/a	154.960
VLADOC	2010-2014	Community participation in slum upgrading initiatives in Nairobi slums: The cases of KSUP-Korogocho and KENSUP-Kibera	A. Walraet (UG)	n/a	n/a	166.251

List of VLADOC Ph.D. scholarships 2003-2021

Type	Runtime	Title	Flemish promoter	Local promoter	Local institution	Total budget (€)
VLADOC	2011-2015	Biological and environmental drivers in mangrove propagule dispersal and recruitment: a field and modeling approach	N. Koedam (VUB)	J. Kairo	Kenya Marine and Fisheries Research Institute	167.535
VLADOC	2013-2017	Growth and structural changes of viviparous mangrove propagules: the effect of environment of dispersal and establishment	N. Koedam (VUB)	J. Bosire	Kenya Marine and Fisheries Research Institute	141.197

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

Abbreviations (Flemish institutions): KUL= Katholieke Universiteit Leuven; UG=Ghent University; UA=University of Antwerp; UH=University of Hasselt; VUB=Vrije Universiteit Brussel.