

GLOBAL MINDS FUND GHENT UNIVERSITY 2019 SELECTED PROJECTS							
OPERATIONAL GRANT 2019							
Candidate's name	Promoter	Department	Title of the activities proposed within this grant application	Abstract	Country	Budget	
1 Alighieri Cassandra	Van Lierde Kristiane	Department of speech, language and hearing sciences	The effects of short, intensive speech therapy on the speech and quality of life in Ugandan patients with cleft (lip and) palate	The first aim is to assess the impact of SLT intervention with high intensity on the speech and quality of life in Ugandan patients with cleft palate. The second aim is to implement focus group discussions to exchange knowledge and to work out challenges regarding SLT intervention.	Uganda	11 144 €	
2 Leyns, Christine	Willems, Sara	Department of family medicine and primary health care	Integrated people - centred primary health care implementation in Bolivia: a case study to identify obstacles and opportunities.	People centred primary health care (PCPHC) is an important strategy to strengthen health systems worldwide. Although the current Bolivian health policy context is favourable, data show a failure to introduce this strategy. Hence this study will encompass the first small scale implementation project towards a more PCPHC service. The results of this participatory action research will inform health policy options.	Bolivia	12 200 €	
3 Pontón Cevallos, José Fernando	Goethals, Peters	Faculty of Biosciences Engineering Department of Animal Sciences and Aquatic Ecology Research Group Aquatic Ecology (AECO)	Linkages between traditional and conventional knowledge and their role in the participatory fisheries management of the Galapagos grouper (Mycteroperca olfax)	The Galapagos grouper (Mycteroperca olfax) is an important resource for the artisanal fishery of the Galapagos Islands. Lack of regulations and information gaps in its life cycle, have contributed to its overexploitation. This project will foster the integration of fishers' traditional ecological knowledge into the species' monitoring and participatory fisheries management, particularly in relation to its spawning aggregations	Ecuador	12 500 €	
4 Fathi Abdallah, Mohamed	De Saeger, Sarah	Department of Bioanalysis	MYCOSUGAR: Investigating the occurrence of mycotoxins and their producing fungi in sugarcane grass and its by-products and the related public health hazard in humans.	Mycotoxins are secondary fungal metabolites produced by several plant pathogenic fungi either pre-and/or post-harvest. Although sugarcane is an important cash crop, and susceptible to mycotoxigenic fungal attack, very little is known about the occurrence of mycotoxins and their producing fungi in sugarcane crop. This project aims at investigating the occurrence of mycotoxigenic fungi and their mycotoxins in sugarcane and its by-products using advanced molecular and analytical techniques.	Egypt	11 000 €	
5 Ndoh, Emilia Ebule	Rossem, Van Ronan	Department of Sociology	Analysing employment opportunities of young persons with visual impairments in the city of Bamenda and its suburbs.	My research Project examines the perception of the various stakeholders- Visually impaired, their family members/ member of the society, and employers towards persons with visual impairments so far as obtaining employment opportunities are concerned. I resort to the methodological approaches of participation, Observation, interviews and life histories in the North West Region of Cameroon so as to get detailed experiences of the visually impaired in the spheres of job seeking. This study aims to detect those challenges that hamper employment opportunities for persons with visual impairments This shall be concluded by returning to the research site to either confirm or negate the earlier findings, organize seminars/workshops to synergize the various stakeholders and to emerge with a final documentary to capture the realities on the	Cameroon	12 300 €	
6 Glas, Hanne	De Maeyer, Philippe	WE12 – Geography	Collection of 'ground truth' data in the catchment of the river Moustiques, Haiti, to validate a risk assessment tool	A risk assessment tool is developed that identifies high risk areas in data sparse regions. To validate the methodology of the tool, a test case is necessary where the 'ground truth' is available. For the study area, data is gathered with a GPS, high-resolution satellite imagery and questionnaires. This test case will be used to adapt and finalize the	Haiti	9 310 €	
7 Everaert, Helena	Messens Kathy	Biotechnology (BW25)	Characterisation and selection of promising Vietnamese cocoa cultivars for chocolate production	Vietnam has the appropriate climate and soil for cocoa cultivation and is growing as a cocoa-producing country. The goal of this research is to characterise Vietnamese cocoa cultivars and to select high-quality cultivars for origin chocolate production. Through this research, valuable genetic material can be conserved, and the production of high-quality cocoa in Vietnam can be improved	Vietnam	12 500 €	
8 Sara De Meyer	Michielsen Kristien	Uro-gynaecology / Public Health and Primary Care (as of 1/10/2018)	How do adolescent girls and boys in Ecuador define sexual wellbeing?	Although it is recognized that sexual health also requires a positive and respectful approach, not much research among adolescents focusses on the latter. When it does, concepts such as adolescent sexual wellbeing stay rather vague. This research will contribute to the definition of adolescent sexual wellbeing by interviewing Ecuadorian adolescents between 18 and 20 years old.	Ecuador	7 105 €	
9 Nsabimana, Phenias	De Henauw, Stefaan	Public Health and Primary Care	Development and validation of food frequency questionnaires for the cross-sectional urban and rural study on metabolic syndrome in Rwanda	The burden of non-communicable diseases (NCDs) in Rwanda is adding to the health burden in the country which is facing the nutritional transition and the double burden of malnutrition. Diet is an established risk factor in NCDs, hence the importance to assess accurately the changes in dietary habits occurring in the population. The objective is	Rwanda	12 500 €	
10 Gutema, Befikadu Tariku	De Henauw, Stefaan	Department of Public health and Primary Care	Building capacity for assessing cognitive development and school achievement of children in low income countries	There are limited tools to evaluate the effectiveness of current health and nutritional programs on cognitive development and school achievements in the context of low income countries. We aim at training the PhD student to enable him to use cultural specific data collection to test the effectiveness of iron and vitamin A supplementation on cognitive development of schoolchildren in Ethiopia.	Ethiopia	12 500 €	
11 Vanwonterghem, Inka	Rabaey, Korneel	Department of Biotechnology	Decentralized wastewater treatment technologies based on electrochemical disinfection in Uganda	A decentralized wastewater treatment technology will be developed based on a microtrainer as pre-treatment and electrochemical cell for disinfection. This technology will be evaluated for treatment of septic tank effluent as well as other waste/water streams based on individual case studies in Uganda. Collaborations will be set up for future projects and field trials, and to increase CMET's UDC capacity.	Uganda	12 500 €	
12 Pehudoff, (Sammi-Jo) Katrina	Michielsen, Kristien	Dept. Of Public Health & Primary Care, International Centre for Reproductive Health	ADAPT Adolescent Family Planning in Uganda: policy tracing for sexual and reproductive health and rights	Adolescent family planning is essential to reduce maternal mortality, particularly in Sub-Saharan Africa. However, good evidence and rational arguments for these services often fail to translate into supportive policies. This project investigates the policy making processes and outcomes that restrict adolescent family planning in Uganda. The results will help refine political strategies to prioritise adolescent sexual and reproductive health and rights.	Uganda	12 500 €	
13 Zegeye, Adugnaw Birhanu	Nyssen, Jan	Department of Geography	The relationship between vegetation diversity and ground water recharge in Mt. Guna shield volcano	This research project aimed to examine the relationship between vegetation diversity and groundwater recharge. The study will be conducted using field, laboratory and modelling	Ethiopia	12 500 €	
14 Hendriks Maarten	Vlassenroot Koen	Conflict and Development Studies	The Anti-gang of Goma and Urban Security Governance: Knowledge production and social impact trough Participatory Video	This project concludes the participatory video trajectory in the framework of my PhD research on the Anti-gang, a non-state security provider in Goma (DR Congo). Finalizing the film 'Street Life', which we co-created during previous fieldwork, will enable me to communicate the research results to a wider audience and enter into dialogue with policy makers on urban security governance.	DR Congo	12 500 €	
15 Mensens, Christoph	De Troch, Marleen	Biology (WE11), Marine Biology Research Group	Biodiversity and ecosystem functioning in Ecuadorian estuaries under stress	This project focuses on biodiversity and food web functioning in the Guayas estuary (Ecuador) under chemical pollution. Fatty acid profiling will be used to quantify the energy transfer from primary producers (microalgae) to consumers (copepods) under stress. Local students and researchers will be trained and the results will be analysed in a workshop and a guest lecture for UGent students.	Ecuador	10 000 €	
16 Esseh Wanki Kang Presca	Prof. dr. Ilse Derluyn	Social work and Social Pedagogy, PP04	Field research on support structures for and wellbeing of Cameroonian returnees	In Cameroon, international migration is coupled with specific socio-cultural expectations regarding increase of wealth and sharing of resources. This research takes a step further by exploring the perspectives of the community members and support structures and how these shape the everyday experiences of Cameroonian returnees. In this vein, the proposal contributes to knowledge on how differences in post-return wellbeing emerge.	Cameroon	8 735 €	

CAPACITY BUILDING							
Promoter	Focus	Department	Type of initiative	Title	Abstract	Country	Budget
1 Cisca De Ruyver, Luc Duchateau, Rudy Gevaert, Stefaan Cottenier	Education	Faculty of Pharmaceutical Sciences, Faculty of Veterinary Medicine, DICT, Faculty of Engineering & Architecture	Explorative and training event	Availing Ugent-developed mass online open courses (MOOC) to south collaborators with restricted internet access	Ugent is investing in the development of Mass Online Open Courses (MOOC). Some of the cursuses are relevant for South partners, but internet access is often insufficient to follow the MOOC online. Therefore, MOOCs are transformed to Local Online Open Courses (LOOC) that run locally. The existing "basic experimental design" MOOC will be availed as a LOOC in Kisangani University .	DR Congo	7 500,00 €
2 Hermans Thomas	Education & Research	Geology (WE13)	One week training course, Exploratory mission	Hydrogeophysics for salt water intrusion characterization: training Vietnamese researchers and pilot-scale study	Sustainable access to drinking water and irrigation for rice production in Vietnam is in danger due to salt water intrusions contaminating coastal aquifers. In this project, we propose to train local staff to properly monitor the intrusion through hydrogeophysical methods. We also propose a pilot-scale study to put the acquired knowledge into practice.	Vietnam	7 500,00 €
3 De Troch Marleen, Van Colen Carl	Education & Research	Marine Biology	Development of new research topic, sustaining existing collaboration, training of master students	Functional biodiversity and foodweb ecology in a natural CO2 vent: training the next generation of marine biologists in a climate change context	Natural CO2 gradients around vents at Roca Redonda(Galapagos) allow to study the effect of ocean acidification and other global change effects on marine organisms in the field. Up-to-date techniques to measure the impact will be applied and presented in an advanced training course on global change and marine biodiversity for students in the South and at UGent (I@home)	Ecuador & others	15 000,00 €
4 Vanreusel, Ann	Education & Research	Biology Dept.	Training and skill building	Explorative mission for the development of a Marine Biology curriculum in Cambodia	Cambodia's collapsing fisheries suffer from the absence of high quality Marine Biology education. The Marine Biology Laboratory will establish a first collaboration with the local Royal University of Agriculture to start a dialogue on the development of a local curriculum in Marine Biology while already providing a local training for the RUA academics on Marine Biology and Environmental Impact Assessment.	Cambodia	7 100,00 €
5 Michielsen, Kristien	Education	Public Health and Primary Care (GE39)	Exploratory visit	New opportunities for academic collaboration in health sciences between Ghent University and Cuenca University, Ecuador	Building on the long-standing collaboration in the medical programme, the faculty of Medicine and Health Sciences proposes to undertake an exploratory mission to Cuenca University to expand the scope of the bilateral partnership agreement to other programmes in the faculty.	Ecuador	9 000,00 €

6	Deconinck Frederik	Education & Research	Department of Movement and Sports Sciences	Explorative mission	Capacity building in physical education and movement sciences in Kiruhura (Rwanda) and Ghent (Belgium)	The Department of Movement and Sports Sciences plans an exploratory mission to Kiruhura (Rwanda). The aim of this mission is to visit a local school and other stakeholders in order to set up a sustainable network for exchange of students (by means of internships) and knowledge related to physical education, physical activity and health. In addition to this, we will explore the feasibility to set up a small-scale research project in intercultural comparison of motor competence.	Rwanda	3 560,00 €
7	Gonzales, Gerard Bryan	Research	Gastroenterology (Faculty of Medicine) and Centre of Excellence in Mycotoxicology and Public Health (Faculty of Pharmaceutical Sciences)	Sustaining and expanding existing research collaborations; Increased contact with other development actors through joint initiatives	Putting UGent at the forefront of translational research in severe acute malnutrition 2: expanding our role in the Global South	This initiative will strengthen the study on severe malnutrition of UGent and expand its role in the South by partnering with the Kenya Medical Research Institute. A world-renowned expert from KEMRI will be invited to Belgium for a lecture on severe malnutrition, whereas we will transfer our skills and build local capacity in Kenya in metabolite analysis using mass spectrometry.	Kenya & Global South	7 500,00 €
8	Isabel Van Driessche	Research	Chemistry	Conference	CATALYSIS FOR SUSTAINABLE DEVELOPMENT	A kick off conference entitled 'CATALYSIS FOR SUSTAINABLE DEVELOPMENT' at Ghent University will be organized by Department of Chemistry – UGent and Department of Organic and Petrochemical Technology – HUST. Other European institutes will be invited to this conference to find possibility to expand the cooperation and to create a new research proposal for an European funding.	Vietnam	6 000,00 €
9	Yves Jorens	Education & Research	Faculty of law and Criminology	Explorative mission		An explorative mission in six SADC countries in order to better prepare a multidisciplinary educational and research project on the topic of social protection between a network of universities (and other stakeholders) within the SADC region on the one hand and Ghent University and its collaboration partners (in the EU) on the other hand.	DR Congo, Madagascar, Mozambique, South Africa, Tanzania and Zimbabwe.	7 500,00 €
10	Liesbeth Jaxsens	Education	Food technology, safety and health	Training	International Training Program "evidence-based decision making in food safety" (recalled "ITP food safety")	The process of setting evidence-based decisions in food safety will be trained to professionals in developing countries via potential strategies to support intervention strategies to be adopted in risk management. This will be obtained by a blended learning platform and coaching sessions to their own data as a case study (part in their home country and part in Ghent).	VLIR-UOS country list	9 000,00 €

CAPACITY BUILDING (2): EXPLORATIVE MISSION TO PREPARE VLIR-UOS SI/JOINT PROPOSAL 2020

Promoter	Department	Title of the initiative	Country	Budget	
11	Rousseau, Diederik	Department of Green Chemistry and Technology (BW24)	Improving sanitation in Kampung Gintung (Malang, Indonesia) as a model for sustainable development in Indonesia	Indonesia	4 383,00 €
12	Dewaele, Stijn	Geology	Capacity building for a sustainable management of mineral resources in the Great Lakes area Period	Rwanda	4 528,00 €
13	Verliefde, Arne	Department of Green Chemistry and Technology (BW24)	Sustainable and decentralized systems for the desalination of brackish water and the treatment of urban wastewater at Galapagos Islands: focus on renewable energy and nutrient recovery	Ecuador	5 290,00 €
14	Van Lierde, Kristiane	Revalidatiewetenschappen	Pediatric holistic rehabilitation and applied research laboratory in Rwanda/ A pilot project integrating ergotherapy, logopedics/audiology, physiotherapy and psychological care for children with disabilities	Rwanda	7 500,00 €
15	DE TROCH, Marleen	Department of Biology, Marine biology research group	DEPURA: Depuration of mollusc bivalves for human consumption in Peru	Peru	7 500,00 €
16	Vandenbroucke, Thijs	Geology – WE13	The Palaeozoic treasure trove of Vietnam	Vietnam	7 500,00 €
17	Du Laing, Gijs	Green Chemistry and Technology	Selenium deficiency in Rwanda and its role in the development of anemia	Rwanda	5 085,00 €
18	Gabriël, Sarah	Veterinary Public Health and Food Safety	Veterinary Public Health and Food Safety in South Vietnam: an explorative mission	Vietnam	1 662,00 €
19	Demeestere, Kristof	Department of Green Chemistry and Technology (BW24)	Capacity building and boosting research collaboration on water quality in Kenya: focus on emerging organic micropollutants	Kenya	7 482,00 €
20	Longman, Chia	Languages and Cultures; Centre for Research on Culture & Gender (CRCG)	Engendering and Decolonizing Research and Teaching Methodologies for Developmental Change	Republic of South Africa	7 050,00 €
21	Bogaert Koenraad	Conflict & Development Studies	Sustainable urban development in the margins of Moroccan cities: prospects, challenges and politics from below	Morocco	1 780,00 €
22	De Becker Alexander	Social Law	Labour Law Standards and Civil Service Law Standards: granting decent substance to the fundamental right to work	South Africa	6 442,00 €
23	Van de Voorde, Tim	Geography (WE12)	Increasing capacity for using earth observation data and tools to monitor environmental change in the Tonle Sap Lake area.	Cambodia	3 980,00 €
24	Knockaert Mirjam	Marketing, Innovation and Organisation	Towards an Understanding of Student Social Entrepreneurship in South Africa	South Africa	7 500,00 €
25	Pascal Coorevits	Public Health and Primary Care	Implementation of an Electronic Health Records (EHR) System in Rwanda: Digitalization and federating clinical data, a pilot project in 3 hospitals.	Rwanda	7 500,00 €
26	Peiffer Herman	Department of Civil Engineering	Development of rapid experimental research techniques for the study of infiltration, irrigation and flow in the saturated and unsaturated soil.	Bolivia	7 100,00 €

CAPACITY BUILDING (PC): EXPLORATIVE MISSION TO PREPARE A UDC PROJECT PROPOSAL

Promoter	Department	Title of the initiative	Country	Budget	
27	Wim Bert	Biology	Nematology Education in Sub-Saharan Africa: "Towards food security and environmental health" (NEMEDUSSA)	Kenya	7 480,00 €
28	Gilbert Van Stappen	Animal Sciences & Aquatic Ecology (Laboratory of Aquaculture & Artemia Reference Centre)	Food for shrimp: securing Cuban aquaculture production by exploring local Artemia resources	Cuba	6 247,00 €
29	Devreese Mathias	Department of Pharmacology, Toxicology and Biochemistry (DIO2)	The threat of antimicrobial resistance in poultry farming in Kenya: assessment and mitigation strategies	Kenya	5 200,00 €
30	Wout Joseph	Department of Information Technology	Internet4Cuba: Cost-effective wireless broadband internet for Cuban people	Cuba	7 196,00 €
31	Johanna Renny Octavia	Dept. of Industrial Systems Engineering and Product Design & Interdisciplinary in	Exploring creative technological innovations to enhance food sharing actions towards food waste reduction in Indonesia	Indonesia	7 000,00 €
32	An De Sutter	Department of Public Health and Primary Care, Ghent University	Integrating capacity building in health care, climate change and agriculture: an innovative strategy to addressing root causes of migration	South Africa	7 500,00 €
33	Ben Derudder	Department of Geography	Rebalancing Indonesia's regional and local development in the context of decentralization and democratization	Indonesia	6 025,00 €
34	David Mwambari	Department of Conflict and Development Studies	The assessment of Food Security among the Internally Displaced Persons in Kenya	Kenya	7 500,00 €
35	Kristine Walraevens	Geology, WE13	Preparation of VLIR-UOS South Initiative project proposal: "Enhancing Community Resilience Through Improved Groundwater Resources Management Under the Changing Environment"	Tanzania	3 925,00 €
36	Kristine Walraevens	Geology, WE13	Preparation of VLIR-UOS SI project proposal: "The adaptation of the Figuig oasis to climatic changes in the joint use of surface and groundwater"	Morocco	3 725,00 €
37	Peter Bossier	Department of Animal Production	Low-cost mass production technique, optimization of accumulation conditions and characterization of extracellular polymers with FITC-labelled lectins of poly-β-hydroxybutyrate (PHB)-accumulating bacterium for development of microbe-based aquafeeds	Philippines	7 500,00 €

SHORT RESEARCH STAYS 2019

Promoter	Department	Visitor	Title of the initiative	Abstract	Country of Residence	
1	Janssens, Geert	Nutrition, Genetics and Ethology (DIO7)	Semunigus, Seifu Birhanu	Nutritional solutions for overgrazing problems with ranging zebu cattle in the Arba Minch region	An article will be written about a performed field study on mineral status in ranging dairy zebu cattle in Arba Minch region. Based on these baseline data, a PhD proposal will be developed on the production of targeted, locally produced concentrate blocks to keep cattle from overgrazing and to promote milk production.	Ethiopia

2	Nyssen, Jan	Geography	Dinssa, Etefa Guyassa	Dryland eco-hydrological processes and linkage with land use, cover and management.	Geomorphic processes such as, erosion and deposition, gully formation, river bank process are active in northern Ethiopia resulting in ecosystem destruction and impeded livelihood of rural people. Synthesis of data on the responses of catchment hydrology to different catchment conditions over a time period contributes to the hydrogeomorphic studies and for the present and future environmental management in semi-arid environments.	Ethiopia
3	Van Hulle, Stijn	Green Chemistry and Technology	Nure, Jemal	Valorisation of the existing collaboration (i.e. finalising PhD research papers) and establishment of future plans (e.g. producing sorbents for micropollutants removal).	The sugar industry and ethanol distillery have recently emerged as an alternative renewable biofuel that is replacing fossil fuels. However, the sugar industry and ethanol distilleries are discharging large volumes of high-strength wastewater into the environment without adequate treatment. This pattern causes the adverse effect on aquatic and terrestrial ecosystems. Additionally, sugarcane and sugar industries are water intensive processes which were evaluated by water footprint assessment.	Ethiopia
4	Derese, Anselme	Family medicine and Primary Healthcare	Bui, Thi Bich Ngoc	Writing of 1 article and preparation of second phase of PhD on doctor-patient communication in Vietnam	Study 1: measure communication quality in family doctor-patient communication consultations, using the Common ground instrument During the first Short Stay, the results of this study will be presented for publication. Study 2: intervention study with family doctors working in the Hai Phong region. During the second Short Stay: the data of this study will be made ready for publication.	Vietnam
5	Raes, Katleen	Food Technology, Safety and Health (BW23)	Redae, Mulugeta Hailu	Understanding biochemical and microbial changes during tef injera fermentation from Ethiopia	This proposal aimed to develop a PhD-project for characterization and identification of the dominant micro flora in Ethiopian tef injera fermentation. Fermented dough samples will be collected from different regions and households of Ethiopia. The impact of the present micro flora on the nutritional quality and safety of tef injera during its fermentation process and shelf-life period will be studied.	Ethiopia
6	Benedicte Deforche (promoter) & Wendy Van Lippevelde (co-promoter)	Department of Public Health	Mama Chabi, Sherifath	Research Proposal development	Adolescent girls' health and well-being have long been neglected. As new information and communication technologies use is expanding among girls, the research proposal will develop health promotion intervention using new technologies. The intervention will focus on effects of a new health promotion intervention on adolescent girls' health through improvement of their knowledge and practices about nutrition, health and healthy lifestyle.	Benin
7	Walraevens, Kristine	Geology, head of Laboratory for Applied Geology and Hydrogeology	Abebe, Wubneh Belete	Scientific article or Research paper	The PhD study aimed to Develop a Holistic environmental flow assessment method using established flow-ecology-livelihood relationships in understanding ecohydrology for tropical highland rivers in the Lake Tana basin of Ethiopia. Specifically: Establish flow-ecology-livelihood relationships; Examine Environmental flow requirements; and Develop a simplified model for environmental flow assessment of tropical highland rivers in Lake Tana sub-basin of upper Blue Nile basin.	Ethiopia
8	Prof.KristineWalraevens	Geology (WE13)	Sheko, HassenShube	Research or Project Proposal	The Ethiopian volcanic aquifers cover the largest part of the country. Most of the Water wells for the water supply in rural and urban areas are exploited from the basaltic aquifers.The Ethiopian Volcanic aquifers are categorized as the most accessible aquifer in Ethiopia.Volcanic aquifers are characterized by very complex fractures and its storage potential is determined by the degree of fracturing. This volcanic aquifer is serving as the major source of water supply wells in the vicinity of the study area. Traditionally, the yield of groundwater wells and the aquifer properties are characterized using pump test data analysis during the construction of groundwater wells development and construction.The variation in chemistry is used to obtain information from the aquifer properties is essentially involved in the groundwater tracer tests. Tracer methods will used to analyze water wells productivity during post construction.222Radon is used for the analysis of the water-rock interaction and in turn transmissivity rate of the aquifer. Although pump test analysis is conducted to identify the yields and productivity of the aquifers, most of the groundwater wells of the region are experiencing the decreasing of their functionality rate and is identified as the major problem experienced in many groundwater wells. Previously, no systematic study has been conducted on the volcanic aquifer system of Ethiopia to assess the post construction groundwater functionality rate rather that analysis of pump test data. The purpose of this study(from the proposal development) is to identify the causes of low functionality rate associated to volcanic aquifers based on the post construction analysis of transmissivity and depth-wise permeability structures. Whereas, the scientific paper writing will focus on the CO2-water-rock interaction, hydrogeochemical evolution (major ions), trace element mobility and ground water quality in the Wonchi system of Ambo-Woliso region of Ethiopia. Groundwater geochemistry,environmental isotopic data and trace element data can be used to investigate the evolution groundwater, CO2-water-rock interaction and source CO2 in the gaseous thermal and groundwater waters of the Wonchi System. The study region is known by its natural sparkling groundwaters like Ambo mineral waters and lodges and resorts, development sectors, of Wonchi lake area, Woliso and Ambo of highly emerging towns the central Ethiopia situated in few distance from Addis Ababa the capital city of Ethiopia.	Ethiopia
9	Haesaert, Geert	Department Plants and Crops	Zanetta, Chindy Ulima	Genetic diversity and genetic structure of Indonesian Physalis species by microsatellite markers and PBA markers	The genus Physalis is considered as exotic fruit. The fruit is a source of a variety of compounds with potential health benefits. In Indonesia, there are four species of Physalis sp. with commercial potential. In this study, we will identify molecular markers useful to detect genetic variation in Physalis germplasm for assisting conservation and breeding strategies to improve fruit nutrition.	Indonesia
10	Vanhaute, Eric	Department of History	Ruesgas Requena, Silvia Gabriela	Understanding gender relations and global change in Andean communities: Women, the global quinoa commodity boom and communal land management	As the intense commoditization of quinoa is profoundly transforming agrarian land ownership patterns and labour relations in Andean communities, the implications for gender relations must be urgently addressed. Understanding these local dynamics requires a global perspective. Based on new empirical evidence, this research collaboration will inform key debates on rural development and globalization in agrarian studies and gender studies.	Bolivia
11	Janssens Geert	Nutrition, Genetics and Ethology (D107)	Guevara, Patricio	AGRONOMIC AND NUTRITIONAL CHARACTERIZATION OF NON-CONVENTIONAL PRODUCTS IN ANIMAL FEEDING, AND ITS	There is little information on the feeding value of potential feed resources in Ecuador. Therefore, developing a project on this matter is of great relevance, because it will improve efficiency and sustainability of beef and dairy cattle production systems.	Ecuador
12	De Saeger, Sarah	Centre of Excellence in Mycotoxicology and Public Health	Changwa, Rumbidzai	Multi-mycotoxin contamination and associated dietary exposure in smallholder dairy farming systems of South Africa.	With mycotoxin-related issues having been identified as one of the numerous food safety and quality limiting factors preventing emerging and smallholder farmers from progressing to commercial agricultural; this study aims to provide in-depth data enabling a more accurate and up to date evaluation of the mycotoxin risk of exposure in smallholder dairy cattle farming systems of South Africa.	Johannesburg, South Africa
13	Bogaert, Koenraad	Conflict & Development Studies	El Kahlaoui, Soraya	Understanding social and environmental justice from the margins	This project departs from the assumption that the social and spatial margins in developing countries such as Morocco are sites of transformation and spaces of creativity and connection. By understanding the politics of the margins and taking into account the contribution of their struggles on (academic) knowledge production, we can enhance our understandings of social, economic and environmental justice.	Morocco
14	Vanreusel, Ann	Marine Biology Research Group, Ghent University, Belgium	Ngo Xuan Quang	Effect of greenhouse gasses produced in a sediment deposition area near dam on benthic communities in the Mekong river	Past research on the ecology and socio-economics in the Ba Lai area has generated many new data which needs to be processed for peer reviewed papers. In addition the observation of large concentrations of methane and sulphides in the sediments near the dam is new and urges for a continuation of our research. Therefore a new project proposal will be written	Vietnam
15	Goethals Peter	Department of Animal Sciences and Aquatic Ecology	Lozano Rodriguez Patricio	Capacity building for the study of macroinvertebrates as bioindicators of the functioning of ecosystems in protected areas of Ecuador	The objective of this proposal is to compare the status of aquatic ecosystems within the protected areas in the high-Andean regions of central Ecuador, through the response of macroinvertebrates and related ecosystem functions. For this, aquatic ecosystems will be characterized, the biological and ecological characteristics of macroinvertebrates will be determined, and the conservation and management of aquatic ecosystems will be evaluated.	Ecuador
16	Prof. Dr. Van Eetvelde, Veerle	Geography	Mullaw, Biadgign Demissie	Integrated land suitability mapping for sustainable land use planning in a landscape in northern Ethiopian dryland environment	In northern Ethiopia, due to severe land degradation concerted efforts have been made to rehabilitate land. The purpose of the proposed study is to map land suitability in selected sites in northern Ethiopia with the aim to ensure sustainable land use planning. Spatially explicit and remote sensing techniques will be used to map and analyze land suitability.	Ethiopia

STRATEGIC INSTITUTIONAL PARTNERSHIPS (SIP)						
Promoter	Partner Institution	Department	Title of the initiative	Country	Budget	
1	Luc Duchateau	Jimma University	Faculty of Veterinary Medicine	Expanding the research collaboration and PhD capacity building between Ghent and Jimma Universities: Adding new research disciplines and reinforcing the	Ethiopia	25 000,00 €
2	Koen Dewettinck	Can Tho University	Food Technology, Safety and Health	Strengthening valorisation of joint research with Can Tho University	Vietnam	25 000,00 €
3	Peter Goethals	ESPOL	Animal Sciences and Aquatic Ecology	UGent-ESPOL integrated solutions partnership	Ecuador	25 000,00 €
4	Stef Slembrouck	University of the Western Cape	Department of Linguistics	Turning Diversity into Capacity	South Africa	25 000,00 €

SENSITIZING EVENTS						
Promoter	Type of initiative	Email	Department	Title of the initiative	Abstract	Budget

1	Robin Roels	Conference	robinroels@gmail.com	X (students United Nations Youth Mouvement)	Ghent Model United Nations	3-day simulation of the United Nations and its institutions, with training of debating, public speaking, networking, ... (Workshops, training and smaller sensitizing events)	3500
2	Mercado Garcia Daniel, Barbara Claeys	Conference	Daniel.MercadoGarcia@UGent.be	FBW- Department of Animal Sciences and Aquatic Ecology	SINAPSIS 2019: IV Meeting of Peruvian Scientists in Europe	SINAPSIS is the annual meeting of Peruvian scientists studying and working in Europe, offering a platform to disseminate their research and to find mechanisms to foster Science, Technology and Innovation (ST&I) in Peru and Europe.	3500
3.	Sarah J. Adams	Conference	Sarah.Adams@UGent.be	Faculty of Arts and Philosophy Department of Literary Studies	Staging Slavery Around 1800: Performances of Slavery and Race From an International Perspective	Through the lens of popular white theater, "Staging Slavery" examines the ways in which slavery and race were imagined and debated in the metropolises in the decades around 1800. While the conference focuses on performance of the imperial era, it is our ambition to move beyond the historic and academic frameworks of analysis that narrow the understanding of our colonial past and present, and to engage with contemporary artists whose works deal with questions of decolonization. Until today, performance culture functions as a medium to criticize colonial and racist discourse, as well as a form that (re)establishes existing and racialized power relations (e.g. Black Pete).	3500