

GLOBAL MINDS FUND GHENT UNIVERSITY 2017 SELECTED PROJECTS

OPERATIONAL GRANT			
Candidate's name	Promoter	Title of the activities proposed within this grant application	Abstract
1 Julie Schiltz	Wouter Vanderplasschen	Movies from nowhere: visual ethnography with South Sudanese youth in a refugee camp	<p>This visual ethnographic project looks at how young people in a refugee setting experience uncertainty and look at their future, and try to make lives in a place that is metaphorically 'nowhere'. Next to achieving a better understanding of what it means for young people to grow up in a refugee setting, the stories of the youth will be used to reflect, inform and raise awareness on refugee issues.</p> <p>At present, Galapagos tourism generates \$418M annually, of which an estimated \$63M enters the local economy (equal to 51% of the Galapagos economy) . The rapid social development and the impacts of globalization have triggered complex social – ecological change that affect the island's ecosystem services(ES). To solve this phenomenon, the aim of our research project is to develop an integrated monitoring network of coastal, island and river, and make an assessment of the major sources of disturbances.</p>
2 Tri Truong Trinh Tu	Peter Goethals	Assessment of ecosystem services and water quality in the Galapagos archipelago through the evaluation of benthic macroinvertebrates communities in relation to chemical and physical variables.	<p>This project aims to explore experiences, practices, and meanings of 'return' and 'homecoming' by conducting ethnographic field research with returnees coming from Nakivale Refugee Settlement in Uganda. By including the dimension of 'return', the general objective of the PhD research to connect refugee mobility to the broader migration (hi)story of the region will gain more depth.</p> <p>One of the main factors contributing to rapid SOM declining in Ethiopia is that only <10% of manure and crop residues are returned back to soil as organic amendment due to competition for fuel, feed and construction. This project explores availability, agricultural values and environmental risks of potential alternative sources including agroindustry and municipal wastes through surveys and experimental studies.</p>
3 Jolien Tegenbos	Koen Vlassenroot	The refugee in the returnee: negotiating 'return' from Nakivale Refugee Settlement in Uganda	<p>The long-term impact of early (before 6 months of age) primary palatal closure on speech characteristics (overall speech intelligibility, articulation, resonance) in children with congenital isolated clefts in Uganda.</p> <p>(overall speech intelligibility, articulation, resonance) and midfacial growth in Ugandan children with congenital isolated clefts will be compared with the long-term impact of later (at 12 months of age) primary palatal closure on speech characteristics and midfacial growth in Belgian children with clefts</p>
4 Mesfin Tsegaye Gebremikael	Stefaan De Neve	Exploring the availability, agricultural potentials and environmental risks of alternative soil organic inputs in Ethiopia	<p>Infertility, sub-fertility and childlessness due to mortality is a serious medical problem in Sub-Saharan Africa. Several studies have also documented the devastating psychological and social consequences. Childless marriages might lead to divorces, men taking another wife or extramarital relationships. Therefore, this anthropological research aims to understand the social and cultural dimension of infertility and relationships in Senegal and The Gambia.</p>
5 Kim Bettens	Kristiane Van Lierde	The long-term impact of early (before the age of 6 months) primary palatal closure on speech characteristics (overall speech intelligibility, articulation, resonance) in children with congenital isolated clefts in Uganda.	<p>Water and sanitation technologies in developing countries are undergoing a decentralised revolution, bringing service to communities disconnected from a water and sewage network. Such technologies encounter challenges in logistics, monitoring, and operation. With a focus on Ethiopia, this project will model decentralised water and sanitation technologies in order to predict and meet future water and sanitation challenges across the globe.</p>
6 Susan Dierickx	Chia Longman	A qualitative study to understand infertility and relationships in Senegal and The Gambia	<p>Culture-specific card plays will be developed as tools to facilitate interaction on sexuality among youth. In different VLIR-UOS countries, workshops with professionals and adolescents will be organized by UGhent medical students in the context of their internship in primary health care settings. The analysis of workshop recordings will result in scientific reports on how to contextualize tools for sexuality education.</p>
7 Stephen Andersen	Korneel Rabaey	A centred view of decentralised water and sanitation	<p>Severe acute malnutrition, especially kwashiorkor, causes numerous child deaths in Africa. After decades of research, the cause of high mortality in kwashiorkor even under hospital care still remains enigmatic. This project will use high-end technologies available in UGent to understand the aetiology and pathophysiology of kwashiorkor and put UGent in the forefront of translation research in malnutrition.</p>
8 Peter Decat	Sara Willems	A playful and culture-sensitive approach for discussing sexuality among youth.	
9 Gerard Bryan Gonzales	Sarah De Saeger	Putting Ugent at the forefront of translational research in severe acute malnutrition	

10	Long Ho	Peter Goethals	Monitoring and modelling of the urban wastewater systems in Galapagos	Galapagos Islands, an archipelago of volcanic islands, were recognized as a UNESCO world heritage since 1978. Recently, its water resources and ecosystems are intensively polluted by human interventions due to rapid population growth, and the shortage of sewage system and wastewater treatment plants. To tackle this issue, our research aims to develop an appropriate urban wastewater system for this archipelago.
11	Van Bao Duy Le	Peter Bossier	Enhancing rabbitfish (<i>Siganus guttatus</i>) larviculture using the Ultrasonic MicroBubbles System (UMBS) at hatchery scale	Within the PhD study, the life cycle of rabbitfish was closed and a rearing protocol was developed, resulting in a survival rate of 15%. The UMBS technology is anticipated to further improve water quality and survival rate. The new protocol using UMBS, if successful can be applied for mass production of rabbitfish.
12	Dimas Rahadian Aji Muhammad	Koen Dewettinck	Storage stability of cinnamon-enriched chocolates under tropical conditions	This project aims to investigate the storage stability of cinnamon-enriched chocolate in a tropical condition. The evaluation will be undertaken at different levels of temperature and relative humidity by
13	Muhamad Nanang Suprayogi	Martin Valcke	Differentiated instruction implementation in primary schools: from research to evidence-based practices and teacher education	This project builds on PhD study that implemented Differentiated Instruction (DI) to meet the challenges to cope with low educational quality and growing student diversity. This project presents additional activities on dissemination and up-scaling the DI and research by implementing and evaluating (1) in-service education provision for teachers; (2) new research on DI-implementation. The local partner has guaranteed local support.

CAPACITY BUILDING			
	Promoter	Initiative	Title of the initiative

1	Marleen De Troch	Exchange of researchers and teachers to establish research and education collaboration	Marine Biodiversity in the Galapagos ecoregion: conservation through education
2	Jeroen Adam	Research dissemination and valorisation	Agrarian transformation and the question of labour in the Philippines. An interactive workshop
3	Marc Heijde & Godelieve Gheysen	Training	Plant biotechnology and biosafety capacity building in Ethiopia
4	Kristine Walraevens	Collaboration stays and seminars	Collaboration stays of Ashraf Mushtaha, Planning, Environment and MIS Manager of Coastal Municipalities Water Utility (CMWU) of Gaza Strip
5	Kristiane Van Lierde	Conference and network event combined with a research meeting	Telepractice in vocal rehabilitation
6	Xavier Gellynck & Wim Hoste	Explorative mission, Recommendations & Proposal preparation	Exploring collaboration opportunities with Royal University of Agriculture, Cambodia
7	Koenraad Bogaert	Explorative mission	Research Practice and Fieldwork in the Global South
8	Filip Van Bockstaele	Exploring research collaboration	Capacity Building on effective (bio)fortification of maize meal in Africa

SENSITIZING EVENTS			
	Promoter	Initiative	Title of the initiative

1	Prof. Geert Janssens, Bart Gazendam (vsdw) & Koen Van Troos (vsf)	Conference day	Animals for Development (A4D): how protecting wildlife and improving animal health and animal production contributes to sustainable and inclusive development
2	Deborah Martens (PhD student), Annelien Gansemans (PhD student) en Joris Aertsens (Vredeseilanden)	Debate	Supermarkets here and workers there: a match made in heaven?
3	Wim Hoste (ITC), Marleen Vereecken & Veerle Lambert (IRO faculty of Bioscience Engineering)	Guest lecture and poster exposition	Sustainable Research without Borders
4	Ilse Derluyn (lecturer), Sofie Vindevogel (lecturer), Leen De Nutte (PhD)	Workshop	Researching and supporting the mental health and psychosocial wellbeing of people living in vulnerable situations: engaging with perspectives from the South
5	Manggala Sidi Rana (PhD) and Muhammad Dima Rahadian Aji (PhD)	Series of events including studium generale, panel discussion, exhibition, movie night and cultural performance	Sound of Nature: promoting sustainable Indonesia – Belgium partnership
6	Thomas Richards (AIESEC), Elke De Neve (student working for the Green Office), David Van der Ha (sustainability coordinator Ghent University)	Keynote speaker with workshops that lead to brainstorm moments for students to come up with projects that improve the SDG's in and around Ghent University	Youth Speak Forum