Summary of the EA RILab Innovation Portfolio as at October 2016					
S/N	**Window/Track**	**Total Applications Received**	**Dates Call Run**	**# Awards**	**Total Award Amount (US $)**
1	Resilience Innovation Acceleration Program **(RIAP)**	93	Exhibition held on March 14, 2014	5	250,060
2	Resilience Innovation Challenge 4 Advanced Climate Effects **(RIC4ACE)**	350	Call ran from August 13, 2014 to May 8, 2015	7	287,228
3	Youth Spark Innovation Grant **(YSiG)**	234	Call ran from November 25, 2015 to February 8, 2016	20	93,359
4	Resilience Innovation Challenge 4 Conflict **(RIC4CONF)**	215	Call ran from February 9 to April 11, 2016	8	277,750
	Grand Total	**946**		**40**	**908,397**

Breakdown of the EA RILab Innovation Portfolio October 2016							
S/N	**Innovation**	**Window/Track (RIAP,RIC4ACE,RIC4CONF,YSiG)**	**Summary of idea**	**Team Lead**	**Primary affliation**	**Country of implementation**	**Grant amount (US $)**
1	RootIO	RIAP	RootIO is a community radio that provides a communication platform for communities to engage with different issues ranging from sensitization to transactions.	Chris Csikszentmihalyi; robotic@gmail.com; http://rootio.org/	RootIO	Uganda	70,000
2	Improved Solar Irrigation Water Pump	RIAP	A low cost solar powered irrigation pump system for smallholder farmers to engage in agricultural production year-round.	Prof. Joseph Byaruhanga; jbyaruhanga@yahoo.com	Makerere University (CEDAT)	Uganda	50,050
3	Matibabu	RIAP	A non-invasive device for detecting malaria parasites without a finger prick.	Brian Gitta; gittabrian@gmail.com	Makerere University	Uganda	75,000

4	Unearthing the potential of earthworms	RIAP	An innovation that is aimed to massively breed and process earthworms to counteract competition for silverfish as the protein source for poulty feed.	Prof. Fred Kabi; fred.kabi@gmail.com	Makerere University (CAES)	Uganda	35,002
5	Improved Pull-Push technology	RIAP	A dual strategy for inter-cropping (maize, Silver leaf desmodium, napier grass and sesbania sesban) that achieves optimum control of the Striga weed and Maize borer in a near natural ecosystem without use of herbicides and pesticides in high prevalence areas to increase maize yield.	Kenneth Wanyama ; wanyama.kenneth8@gmail.com	Makerere University (CAES)	Uganda	20,008
6	Better farming better me	RIC4ACE	This project rebrands millet as a healthy food and hence providing a platform that will bring back traditional starches to the dinner table of many households particularly in an era of increasing non-communicable diseases that are associated with 'fat-rich diets'.	Jenifer Kalule; kalulej@ctc-africa.org	Makerere University (CHS)-Centre for Tobacco Control in Africa	Uganda	43,729
7	Improved solar dryer	RIC4ACE	An improved solar drying technology that will disrupt current farmer reliance on direct sun drying of produce.	Dr. Robinah Kulabako; rkulaba@gmail.com	Makerere University (CEDAT)	Uganda	30,000
8	Mushrooming livelihoods	RIC4ACE	1. With increasing shrinkage of land for agriculture coupled with climate and seasonal changes, mushroom cultivation provides an eco-friendly livelihood solution to households and hence stable income.	Gerald Kyeyune; kyeyunegm@gmail.com	Makerere University (CAES)	Uganda	44,993.76

9	Electronic Dollar A Day (EDAD)	RIC4ACE	In the age of an increasing consumerism and a poor saving culture by most individuals, this innovation provides an approaches that disrupts current micro-finance through little and regular savings on a simple and easy to use mobile platform.	Eng. Daniel Byamukama; byam033@hotmail.com	EDAD Payments Ltd.	Uganda	45,000
10	Maize Thresher	RIC4ACE	A project targeting optimizing post-harvest handling of produce through mechanized threshing of maize which will reduce post-harvest losses and subsequently increase agricultural yield and income of a rural farmer.	Stephen Ssekanyo; sekanstephen@gmail.com	Earthly Energy Ltd.	Uganda	42,305
11	Village Egg Bank in Egg Currency (VEBEC)	RIC4ACE	This innovation introduces a new and disruptive form of currency that can be channelled into savings through regular deposits of eggs to the egg bank by the rural farmers.	Swaib Dragule; sdragule@cis.mak.ac.ug , dragule@gmail.com	Makerere University (COCIS)	Uganda	36,750
12	Back2Millet	RIC4ACE	An approach geared at weaning households from tobacco growing to food crop farming coupled with poultry and hence better livelihoods and food security	Dr. Julius Gatune; jgatune@acetforafrica.org	African Cenre for Economic Transformation (ACET)	Uganda	44,450

13	An Integrated Model to prevent malnutrition among mothers and children 0-2 years in Uganda	RIC4CONF	This team proposes and aims to test the feasibility of an already packaged supplementary food product code named "***Grand Nutrition***" and nutrition education to prevent malnutrition. The Grand Nutrition supplementary food product is made from local foods grown in the East Central region, eaten as a porridge in an addition to the daily diet of pregnant mothers, lactating mothers and children below 2 years to prevent malnutrition and optimize growth and development.	Florence Tushemerirwe; ftushemerirwe@musph.ac.ug	Makerere University (CHS)	Uganda	34,545
14	Digital Financial Service Delivery	RIC4CONF	To drive high levels of financial inclusion and enhance the ability of the poor to adopt environmentally friendly farming practices, this team proposes to develop a platform codenamed Akellobanker (a web and mobile based digital credit/loan and banking platform that interlinks rural Financial service providers to deliver inclusive financial services to rural poor especially Farmers). This solution is integrated with mobile tools such as Mobile money, SMS, USSD enabling farmers to transact, trade as well as access loans and financial information.	Jean Anthony Onyait; jean.onyait@gmail.com	Angels Agric Fund Ltd.	Uganda	35,000

15	Enhancing the remedial potential of common herbs for commercial production of oral health care products	RIC4CONF	This team of medics is harnessing local herbs to address the neglected oral conditions that have been aggravated by lack of treatment, lack of income, expensive dental treatment and long distance to urban dental facilities. The team is using locally available medicinal plants (*Ocimum gratissimum* and *Cymbopogon citratu)*for income generation, treatment and prevention of oral conditions.	Dr. Isaac Okullo; okulloisaac@gmail.com	Makerere University (CHS)	Uganda	34,840
16	Media Based Financial Literacy	RIC4CONF	This team has proposed a unique approach to share educational information through multimedia platforms with students at secondary school level. In particular, the financial literacy information will be published in the form of a well-designed weekly education pull-out in media in Education, Pakasa the inspirational pullout for entrepreneurs every Friday. Students will be exposed to different entrepreneur ideas, saving methodologies and different bank accounts to encourage them save and get alternatives in life after education.	Dixon Ampumuza; dampumuza@gmail.com	New Vision	Uganda	34,996
17	Platform for inclusive participation on good governance & best practice	RIC4CONF	This project presents an opportunity to communities that are grappling with conflicts to revitalize their cultural leadership and systems to competently address these conflicts.	Dr. Isaac Kayongo; isaackayongo@yahoo.com	Makerere University Business School (MUBS)	Uganda	34,966

18	Yiya Engineering Solutions	RIC4CONF	This team will develop a curriculum that unlocks the potential of students to build key skills and entrepreneurship experience. The team will design new learning tools that improve the quality of education in maths and science as well as developing a series of engineering challenges that empower students to take on and solve problems in their local communities.	Erin Fitzgerald; fitzgerald.erin.m@gmail.com	Educate!Uganda	Uganda	34,336
19	Solar Autoclaves for Health Disaster Relief in Conflict Hit Areas	RIC4CONF	This team of engineers is designing a solar powered autoclave for sterilizing equipment and medical waste.	Dr. Michael Lubwama; michaellubwama@gmail.com	Makerere University (CEDAT)	Uganda	34,550
20	Empowering Tanzanian communities to achieve economic sustainability and resilience; A trainer of trainer approach for value addition of avocado and rosella products.	RIC4CONF	This team will train local communities in value addition of locally grown products (such as avocado and rosella) to improve their livelihoods and income.	Doreen Mloka; dmloka@yahoo.com	Muhimbili University of Health & Allied Sciences (MUHAS)	Tanzania	34,517
21	Novel boar semen diluents for upscaling pig artificial insemination	YSiG	An innovation aimed at developing low cost and effective in-house diluents that can store boar semen for 10-14 days. The development and commercialization of boar semen diluents would be a breakthrough as it will enable long-term storage of boar semen for 10 days and promote production and use of quality boar semen hence promoting adoption of	Robert Natumanya; rnatumanya@caes.mak.ac.ug	Makerere University	Uganda	5,000

			pig artificial insemination.				
22	Low cost digital grain moisture content meter	YSiG	This team seeks to design and developed a low cost user friendly digital grain moisture content meter to counter Post Harvest Loss. The meter will be easy to use, has fast measurement time, is well calibrated (accurate), directly displays the moisture content of the grains and is interactive and informative i.e. Grain is ready to store	Okumu Collins James; snillocu@gmail.com	Makerere University	Uganda	5,000
23	Plastic waste for insulation in cold rooms (eco-cold storage facilities)	YSiG	Team is designing a low cost cold storage facility using pet bottles as source material for insulation in the cavity wall for the eco-cold storage® facility. The pet bottle insulation allows room temperature to drop to 19oc, making the facility very energy efficient, as much lower/colder temperatures can be obtained with limited energy use.	Mugume David; mdavemugume@gmail.com	Makerere University	Uganda	5,000

24	Fruiti-cycle	YSiG	To reduce these post-harvest losses in vegetables and fruits, this team is designing an affordable biogas powered tri-cycle (fruit-cycle) mounted with a 300kg carrying capacity refrigerated cabin for conveniently and safely transporting fresh fruits and vegetable to the market.	Ben Wokorach ; ben@yahoo.com	Makerere University	Uganda	4,900
25	Waste to wealth project (the quick-lite briquettes)	YSiG	This team is working to translate organic waste into briquettes that light quicker than existing manufactured briquettes, burn longer and stronger and can be re-usable. This will minimize waste sieving costs by developing a technology that can use up as many waste categories as possible.	Kizito Henry Sam Mukasa; kizitohenrysam@gmail.com	Makerere University	Uganda	5,000
26	Design and construction of a biomass dryer	YSiG	This team is addressing postharvest handling and processing of agricultural and food products. It is designing a more efficient biomass dryer for food crops including sweet potatoes.	Musasizi Enock; musasizienock@gmail.com	Makerere University	Uganda	5,000
27	Light bulb	YSiG	Lightbulb is a web based platform that will help ugandan home owners and businesses acquire dynamic digital location codes (d2lc) that serve as addresses. Upon registration on the platform, one can acquire a d2lc that can then be shared with other people who, using the lightbulb platform will be able to view ones location on a map with the option to	Edmond Atto; edmond091@gmail.com	Makerere University	Uganda	4,459

			obtain turn-by-turn navigation.				
28	Bvkit	YSiG	This team is designing a self-diagnostic kit for bacterial vaginosis, a condition that is commonly prevalent among girls and women.	Nanyombi Margaret; maghi20004@gmail.com	Makerere University	Uganda	5,000
29	Wekebere	YSiG	This team is developing a hand-held self-diagnostic device that will help mothers or pregnant women to monitor the state of their unborn babies irrespective of their location and without need for help of medical personnel. The device consists of a small probe and micro controller.	Tashobya Stephen; stashobya@gmail.com	Makerere University	Uganda	5,000
30	Pedal tap	YSiG	This team has designed a pedal tap to improve handwashing behavior since most people shun handwashing facilities because of the dirty hand held taps. The pedal tap is operated with a foot in a free standing posture.	Ssevume Isah; isahssevume@gmail.com	Makerere University	Uganda	5,000
31	Improving the livelihood of the people of panyimur town board, nebbi district	YSiG	This team is making tiles from snail shells with an aim of improving the floor of housing in the rural communities.	Ahumuza Emmanuel; emmahumu@gmail.com	Makerere University	Uganda	5,000

32	E-musawo national telemedicine system	YSiG	This team is designing a telemedicine platform for healthcare providers to deliver healthcare to the needy at a much reduced cost. The platform will provide for an opportunity for capacity building of the healthcare workers in the country through knowledge and skills transfer. Emusawo will be a unique combination of cloud-based software, a comprehensive electronic health record (ehr), patient portal, health information exchange platform and continuing medical education tool, all working in a unique medical eco-system.	Alvin Kabwama; alkaleos10@gmail.com	Makerere University	Uganda	5,000
33	Mosfield's irrigation pumps	YSiG	This project aims at creating human powered irrigation pumps (mosfield's irrigation pumps) targeting to improve small scale agriculture in tanzania. Mosfield's irrigation pumps will have three main targets: efficiency, user comfort, and affordability.	Moses Jonathan; mosfieldqng@gmail.com	Makerere University	Tanzania	5,000
34	Self-regulating irrigation system for mixed agricultural farming	YSiG	This team is designing a low cost device that is able to monitor irrigation by detecting the moisture level in the soil which does not require specialized skill to operate and maintain. This will ensure timely water supply to the crops and improve agricultural productivity.	Atish Shah; atishshah007@gmail.com	Makerere University	Tanzania	4,700

35	Shea butter production	YSiG	The project aims to create community groups primarily targeting university graduates and empower them with skills in shea butter production. This will diversify the livelihoods of the students and communities in Gulu.	Loum Patrick; lumatrick@gmail.com	Makerere University	Uganda	5,000
36	Duckweed farming as a potential source of high quality proteins for animal feeds	YSiG	This team is investigating the use of duckweeds for formulating animal feeds especially poultry and fish. This will possibly reduce the cost for the currently available feeds present in the market which are formulated by using maize, soy beans, rice brans, and fish meal, which makes the feeds too expensive for local farmers.	Godwin Pancras; katunzip@gmail.com	Muhimbili University of Health & Allied Sciences (MUHAS)	Tanzania	5,000
37	E-health for refugees	YSiG	This team has developed an android and a web based education platform to sensitize and mobilize refugees on issues related to reproductive health and treatment and prevention of commonly occurring diseases	Muzungu Hirwa Sylvain; sylvain.hirwa@yahoo.com	University of Rwanda	Rwanda	5,000
38	Totonga	YSiG	This team will convert plastic waste material into construction materials such as bricks or floor tiles.	Kalala Ngongo Jonathan; jonathankalala0@gmail.com	University of Kinshasa	DRC	5,000
39	Establishment of entrepreneurship club in secondary schools	YSiG	The team will establish entrepreneurship clubs in secondary schools to address the issue of unemployment. This project will aim at unlocking the potential of students to take on entrepreneurship	Iradukunda Diane; dianeiradukunda87@gmail.com	University of Rwanda	Rwanda	4,500

			through open discussions with peers and role models.				
40	Appraising awareness to the stepparents towards proper care and protection to their step children	YSiG	This team aims to address gender based violence towards children with stepparents as the major culprits of this behavior. Through a local village security committee, the team will engage local government leaders, community leaders, voluntary agencies and care givers including stepmother/father to ensure child protection.	Subira O. Mumba; mamak2008@yahoo.com	Muhimbili University of Health & Allied Sciences (MUHAS)	Tanzania	4,800