

MAKERERE UNIVERSITY

DIRECTORATE OF RESEARCH AND GRADUATE TRAINING

ANNUAL REPORT 2014

1.0 Background

The Directorate of Research and Graduate Training (DRGT) is mandated to coordinate all research and graduate training processes at Makerere University. The Directorate builds and sustains most of its activities in collaboration with Colleges and other administrative units within the University as well as with external stakeholders and development partners. The DRGT commits itself to engaging with these University Units and partners in an exclusive, transparent and trustworthy manner. The Directorate operates through two Divisions namely: The Division of Graduate Training and Division of Research, Innovations and Knowledge Transfer Partnerships and Networking.

2.0 ACHIEVEMENTS IN 2014

2.1 GRADUATE TRAINING

The Graduate Training Division is mandated to review regulations governing graduate academic programmes, handle graduate application and admission processes in liaison with the Colleges/Schools; develop guidelines and regulations on examination management; and oversee the management of academic quality and research ethical issues among others.

The Division has continued to accomplish its planned tasks and in 2014 a number of new graduate programmes submitted by College Academic Boards were considered by the Board of Research and Graduate Training and forwarded to Senate for approval. These include the Master of Arts in Defense and Security Studies ; Master of Science in Records and Archives Management, Master of Science in Health professions Education, Master of Science in Immunology and Clinical Microbiology from School of Biomedical Sciences, Master of Disaster Risk Reduction and Management among others. The total number of approved graduation programmes is 135 Masters Programmes, 20 Postgraduate Diploma programmes and 12 taught PhD programmes.

Admissions and Registration

Table 1, summarises the admission figures for PhD, Masters and Postgraduate Diplomas for 2013/2014 and 2014/2015 academic years.

Table 1: Summary Admission figures for 2013/2014 and 2014/2015

COLLEGE	PROG	Admissions 2013/2014	Registered 2013/2014	Admissions 2014/2015	Registered 2014/2015
CAES	PHD	39	11	52	5
	MASTERS	277	122	272	129
	PGD	-	-	22	10
CHUSS	PHD	30	21	23	17
	MASTERS	496	238	349	188
	PGD	171	158	20	5
CEES	PHD	20	3	39	20
	MASTERS	105	43	73	41
	PGD	63	37	39	26
COBAMS	PHD	-	-	-	-
	MASTERS	537	248	476	304
	PGD	5	-	11	5
SCHOOL OF LAW	PHD	4	-	-	-
	MASTERS	59	36	59	44
	PGD	-	-	-	-
MUBS	PHD	20	3	9	1
	MASTERS	623	-	496	-
	PGD	-	-	-	-
CHS	PHD	20	13	10	4
	MASTERS	300	160	356	224
	PGD	-	-	-	-
CONAS	PHD	10	6	5	4
	MASTERS	75	39	86	46
	PGD	-	-	-	-
COVAB	PHD	7	1	11	4
	MASTERS	67	15	76	34
	PGD	-	-	2	0
CEDAT	PHD	20	7	23	3
	MASTERS	206	115	168	108
	PGD	28	14	17	14
COCIS	PHD	4	1	3	1
	MASTERS	183	74	117	65
	PGD	8	3	22	8
TOTAL	PHD	174	66	175	59
	MASTERS	2,928	1,090	2,528	1,183
	PGD	275	212	133	68

About Eighty percent of the applicants earned admissions into the various programs of their choice.

Those who were not admissible fell within the following category;

- a) Graduate applicants from none-chartered universities
- b) Those with pass degrees or their equivalent;
- c) Applicants with lower grades and therefore were out competed and
- d) Those who applied for programs whose minimum specific requirements were not fulfilled.

There is a very low turn-up for registration by the first year students. The second and third year's rate of registration is equally too low. This pattern is consistent for the past several years; students have carried out belated registrations. Some even register when they are seeking award letters, a way of improving on their file records. The low turn up for registration is a reflection of commitment by students at continuing in their programs.

While none of the first year students of COBAMS and CHS turned up for registration the overall registration is unacceptably low. Notably low turn ups were from the following Colleges: Law, CEES, COCIS, COVAB and others. It is incumbent upon the Principals and their respective Deputies to implement registration policy. Students who are not registered ideally should not be allowed to enjoy university facilities including attending lectures.

A complete list of those registered has been submitted to each College/Unit and the DRGT expects that each unit has in turn circulated or shared the data with respective Departments and members of staff for their action.

None registration of students can be attributed to the following:

- a) Lack of funds to pay fees
- b) Sudden changes in the functional fees
- c) Lack of knowledge about the annual renewal of registration for continuing students.
- d) Being in the field to collect data
- e) Shear negligence

Graduation

Makerere registered a slight increase in the number of students graduating with PhDs, master and Postgraduate Diplomas in January 2015 compared to January 2014.

Table 2: Graduation Statistics for 2014 and 2015

Programme	2014 Graduation			2015 Graduation		
	Male	Female	Total	Male	Female	Total
PhDs	40	11	51	38	19	57
Masters	736	460	1196	795	553	1348
PGD	43	14	57	113	68	181
Total	819	485	1304	946	640	1586

Policy issues on graduate studies and research

So far five draft policy guidelines have been prepared; some were already presented to the board. The Board of Research and Graduate Training have approved four Draft policy guidelines during the reporting time:

1. Policy on upgrading masters into PhD degrees
2. Policy on Higher degrees (Doctor of Letters and Doctor of Science)
3. Establishment of Research Grants Offices
4. Revised Examinations guideline for theses and dissertations
5. Draft policy on workload transfers under PhD (Research) programme
6. Revised policy on Joint/Double/Multiple degree
7. A policy document on **Higher Doctorate Degrees** shall be presented for Board approval at the next meeting. These guidelines are expected to streamline graduate studies, lessen bureaucratic time in processing PhD, and ensure quality while providing avenues for promoting and mentoring and motivating research excellence at Makerere. Approved guidelines will eventually be availed for public use.

GRADUATE STUDENTS LEADERSHIP

The Council of Graduate Students (COGS) of Makerere University is a graduate students' body, charged with the responsibility of fostering and co-coordinating the activities of graduate students and promotion of academic growth. Its overall aim is to increase the graduate academic, research and scholarships for national development.

The COGS is therefore, a recognized students' body, and a subsidiary to the Students' Guild:

Unfortunately, the Universities and Tertiary Institutions Act 2004 (Revised 2010), only endorses the

'Students Guild' as the only students' body in the University. This does not acknowledge the Strategy of Makerere University's education progressing into graduate-research led institution. COGS has recommended to the University and the Students Guild Constitution Review Committee to recognize COGS as a subsidiary students' body and streamline it in the University structure especially regarding to research, which is the engine of development in any country. COGS need representation on the policy organs of the university. There is need for graduate student representation on the College/School/institute boards and on the critical College/School higher degrees committee, which theoretically is in place but practically not functional.

It is important that the activities of COGS be funded by the university and other support be extended through the School for the growth of this nascent but organized student body. An earlier suggestion was made for each postgraduate student to contribute Ug Shs 20,000/=only (twenty thousand only) per annum, but this request is stuck somewhere within the University beaurocracy. The current executive is devising all means of having and keeping everybody on board. Resources for COGS activities are not provided for in the SGS budget line. The office of the Dean of Students is equally not responding positively to financial requests from COGS. It is amazing to note that graduate students contribution to the Guild is not passed over to help run the graduate affairs.

Achievements by COGS as at November 2014.

- COGS actively participated in the development of the DRGT, Strategic Plan 2013-2018.
- A Cabinet Chart was developed in a bid to create awareness among the graduate students community.
- Represented graduate students on Graduate Research Board and Publication Committee, College/School Higher Degrees and Graduate Studies Committee and Quality Assurance Committee.
- Had a series of meetings with top University officials notably the Vice Chancellor, the Director of DRGT, the Dean of Students and Principals of Colleges to present the problems affecting graduate students especially research.
- Made contributions to the recent Makerere students' guild constitution review process calling for recognition of COGS as a subsidiary to the guild as opposed to the present arrangement which takes every student, irrespective of the qualifications as a member of the guild.
- Participated in the development of the new proposed Graduate Student Identification by making proposals on what the new ID should look like.

- Organized the Doctoral Fellowship Forum workshop in November 2014.

Challenges

- With a membership of over 7000 students, 95% of whom are off-campus residence, mobilization of members is a challenge.
- Lack of graduate study space in most Colleges/units
- Access to funds contributed by graduate students currently, channeled to the Students' Guild
- Research management and funding

2.2 RESEARCH AND INNOVATIONS DIVISION

The Research, Innovations, Knowledge Transfer Partnerships and Networking Division is mandated to facilitate the administration and coordination of research, research grants and research outputs. The major activities undertaken in 2014 by the Division revolved around writing proposals for funding, administration of research grants, monitoring and evaluation of research projects, coordination of research skills enhancement programmes and supporting collaborative research activities and partnership with other Universities in Uganda and beyond. These activities were supported under the following programmes:

2.2.1 MAKERERE-Sida BILATERAL RESEARCH PROGRAMME

Sida Phase III (2010 -2015)

The Sida bilateral collaborative research program has been the largest so far at Makerere University. The Directorate of Research and Graduate Training (DRGT) has coordinated this programme since inception in 2000. The Programme is now in Phase III 2010-2014. In addition to being the overall coordinator of the programme, the DRGT has coordinated one of the sub-programmes titled; *'Strengthening Capacity for Research Management and coordination towards relevant quality research and innovations for national development'*. On this sub- program, DRGT oversees the implementation of cross-cutting activities, namely; the PhD cross-cutting courses, the Iganga/Mayuge DSS (managed by the School of Public Health), the Cross-cutting Biotechnology Lab (managed by the School of Medicine) and the GIS Lab and the Clusters components (both managed by College Engineering Design Art and Technology).

The programme currently has 100 PhD students (of which 38 are female), 86 are teaching at Makerere University. The remaining 14 PhD students are from the four partnering Public Universities in Uganda (Gulu, Busitema, Mbarara and Kyambogo). Out these 18 students have completed their PhDs (**Table 3**). A total of 66 Masters Students (including teaching and non-teaching staff of Makerere University) were awarded scholarships through units and at the DRGT Coordination unit including 17 masters attached to Postdoctoral research projects. The postdoctoral researchers, PhD students and Masters Students had published about 511 publications international and peer reviewed journals and 137 conferences attended during the period 2010-2014.

Table 3: Summary of Sida Beneficiaries

S/N	Name	PhD students enrolled in the program			Completed	Submitted for examination
1	School of Graduate Studies (DRGT)	17	7	24	3	8
2	College of Agriculture and Environmental Sciences	1	2	3	1	0
3	College of Health Sciences (CHS)	12	8	20	10	8
4	CHUSS – ARTS	1	1	2	0	0
5	CHUSS - Social Sciences	3	3	6	3	1
6	College of Engineering Design, Art and Technology	17	6	23	13	11
7	College of Natural Sciences	4	1	5	0	1
8	College of Veterinary medicine, Animal Resources and Biosecurity	4	1	5	1	4
9	Gender Mainstreaming Division (GMD)	0	5	5	2	0
10	University Library	1	3	4	1	1
11	DICTS	1	2	3	1	1
	Total	61	39	100	35	35
	Proportions	61%	39%			
A) MASTERS STUDENTS						
1	School of Graduate Studies (DRGT):					
	a) Students recruited through competitive awards	20	10	30	21	3
	b) Students attached to postdoctoral research	8	9	17	9	2
2	Gender mainstreaming Division (GMD)	0	10	10	6	4
3	DICTS	2	0	2	2	0
4	University Library	0	2	2	0	2
5	Faculty of Agriculture (CAES)	4	1	5	3	2
	Total	34	32	66	41	13

	Proportions	49%	51%			
	Postdoctoral researchers					
	DRGT	14	6	20	14	8
		60%	6%			

PhD Skills Enhancement Training

During the year, a total of 198 students took cross-cutting courses (104 female: 94 males). Table 4

Table 4. Statistics of participants of PhD Cross cutting courses under Sida Phase 3:

Course	2013		
	Female	Male	Total
Philosophy of methods	15	18	33
Advanced Gender Research	18	16	34
Statistical Computer applications	6	9	15
Research Management	14	16	30
Scholarly writing & communication skills	19	13	32
Information competence & mgt	15	4	19
Research Methodology	17	18	35
Total	104	94	198

Other Skills enhancement trainings:

Financial management and control training was conducted in November, 2014 attracting 42 participants mainly research administrators, researchers and PhD students on the programme. Area covered under this course include: Project financial management, external audit, procurement process and procedures, audits, financial requisition and accountability and the standard operating procedures.

Dissemination:

The science day was held in March and October, 2014 hosted by College of Engineering, Design, Art and Technology and the College of Natural Sciences at Makerere University respectively. Postdoctoral researchers and PhD students disseminated their results through seminar presentations.

Makerere-Sida Phase IV 2015-2020

The process of developing full proposals for the Makerere-Sida successor grant continued in 2014 and a number the milestones have been achieved since the development and submission of the full Project Proposals in August 2014.

Out of the 47 Full proposals, 24 were invited to proceed to another level of submitting responses to comments and revising budgets in February 2015. The process is in advanced stages and a total of 17 projects will be supported. It is envisaged that the Phase IV grant agreement for SEK 275, 000, 000 will be signed by September 2014.

2.2.2 Makerere Carnegie Next Generation of African Academics Project II (NGAA II) 2013 – 2016

Makerere University is among four Universities in Africa that implemented the two year Carnegie supported project (2010 – 2012) focused on **building, nurturing and retention of the next generation of African Academics**. The other collaborating Universities are the University of Ghana Legon, University of Cape Town and the University of Witwatersrand. The project fostered human resource development through training staff at PhD and Master's degree level in Makerere University and partnering public universities in Uganda. NGAA I (2010-2012) registered great achievements and 5 Post Doc teams, 39 PhD and 34 Masters Grantees completed their studies. The US \$ 1,950,000 was used to directly touch the lives of 497 people.

Makerere University won a successor grant to implement Phase II of the Next generation of African Academics Programme (2013-2016) titled; **'Enhancing research capacity and retention of the Next Generation of Academics at Makerere University'**. The NGAA II three-year grant of USD 2,563,700 is supporting Post-Doctoral research, PhD studies, travel grants and publication grants. In 2014, the Carnegie NGAA II project awarded five (5) Post-doctoral research grants, four (4) PhD scholarships in Good Governance, Human Rights and Development, thirteen (13) PhD scholarships in Interdisciplinary Social Studies, thirty three (33) small grants for PhD completion, five (5) publication grants and twelve (12) travel grants. All post-doctoral and PhD grantees are expected to complete their research by the end of August 2016. Nevertheless, five (5) beneficiaries of the PhD completion small grants have completed their studies and graduated (**Table 5**). They are; Dr. Asimwe Allen (CHUSS), Dr. Ssentanda Medadi (CHUSS), Dr. Egeru Anthony (CAES), Dr. Kakuba Christian (COBAMS) and Dr. Katete David (CHS). The other grantees are at different stages in their research. The project also conducted two short courses; (that is

Scholarly writing and Communication skills attended by 31 participants and Research Management attended by 34 participants for PhD students and Academic staff at Makerere University (**Table 6**).

Table 5: Carnegie NGAA II Grantees

	Grant Category	Number of Grantees			Completion Status
		Male	Female	Total	
1	Support to PhD (interdisciplinary Social Studies) students to completion	13	0	13	Research in Progress
2	Full PhD Scholarships –Good Governance and Human Rights	3	1	4	2 starting PhD, 2 collecting data
3	Competitive Small Grants for PhD				
	(a) Competitive Small Grants for data collection, analysis and thesis writing and tuition for 3 years	8	5	13	2 graduated, 11 at various stages of research
	(b) Competitive Small Grants for PhD data analysis, write up and tuition for one year	11	9	20	3 graduated, 17 at various stages of research
4	Post-doctoral research grants				
	(a) Good Governance and Human Rights	1	1	2	Initiating research
	(b) Food, Nutrition & Value Addition	1	2	3	Initiating research
5	Travel grants for senior researchers	9	3	12	All travelled and returned
6	Publication grants	3	2	5	One Manuscript under publication, 4 manuscripts under external peer review
	Total	49	23	72	

Table 6: Statistics of participants of PhD Cross cutting courses under Carnegie NGAA II

COURSE	NUMBER OF PARTICIPANTS		
	FEMALE	MALE	TOTAL
Scholarly Writing and Communication Skills	9	22	31
Research Management	18	16	34
CAPREX Research Academic leadership Training	5	13	18
TOTAL	32	51	83

2.2.3 Cambridge Africa Partnership for Research Excellence (CAPREx)

The CAPREx Project is a partnership of Makerere University, the University of Ghana Legon and the University of Cambridge. The Project was inaugurated in October 2012 to support the development of African academic research, research management and internationalization. The three year US \$ 1.2 million grant from the Carnegie Corporation of New York (CCNY) builds on and complements existing Carnegie initiatives in both Universities to ensure sustainability, as endorsed by the Vice Chancellors of the two universities. The project goals are:

1. To strengthen faculty research capacity at the Universities of Ghana and Makerere
2. To strengthen research management capacity at the Universities of Ghana and Makerere
3. To enhance international research competitiveness of the Universities of Ghana and Makerere

Since inception, the project has registered the following achievements:

Academic Fellowships: Since inception CAPREx has supported two cohorts of academic fellows from Makerere University and the University Ghana Legon, who were selected through a transparent process by a joint Committee comprised of staff of Makerere University and the University of Cambridge. Makerere University targeted fellows from the Humanities and Social Sciences. The first cohort from Makerere comprised of eight post-doc research fellows and the 2nd had 11. **Table 7** shows the details of the Makerere University fellows and their status to date.

Table 7: Makerere University CAPREx Academic Fellows2013:

1 ST COHORT : 2013					
	Name	Position and Department	Project	Collaborator(s)	Status
1	Prof Abasi Kiyimba	Associate Professor - Literature , CHUSS	Gender stereotypes in the oral literature of two Ugandan communities	Dr Chris Warnes	Completed data collection- writing final report
2	Dr Andrew Ellias State	Ass. Professor - Sociology & Anthropology , CHUSS	Emergence of social protest movements and the strengthening of democratic governance in Uganda	Dr Maha Abdelrahman	Completed data collection- writing final report
3	Dr Betty Nannyonga	Lecturer - Mathematics , CONAS	Shortening the shadow between gender and Mathematics	Dr Alicia Fentiman & Dr Sara Hennessy	Collecting data
4	Prof Ernest Okello Ogwang	Ass. Professor - Literature , CHUSS	The East African Literature Bureau (EALB) and the making of modern East African Literature	Dr Chris Warnes	Completed data collection- writing final report
5	Dr Euzobia M. Mugisha Baine	Manager - Quality Assurance Directorate	From Entry to Exit: A comparative study of Internal Quality Assurance Systems in Graduate Training in Makerere University, University of Ghana and Cambridge University	Prof Maurice Galton, Dr David Good, & Prof Nana Aba Amfo	Completed data collection- writing final report
6	Dr Nkabala Helen Nambalirwa	Lecturer - Religion & Peace Studies , CHUSS	Rereading violent Biblical texts to promote peaceful solutions: A model for African Biblical hermeneutics	Prof David Maxwell & Dr Emma Wild-Wood	At Cambridge to return in March 2015
7	Dr Umar Kakumba	Senior Lecturer - Business &	Human Resources Retention in Uganda's Local Government:	Dr Shailaja Fennel	Completed Fellowship

		Management , COBAMS	Review of Policy and Institutional Mechanisms With Lessons From The British Experience		
8	Dr William Tayeebwa	Lecturer - Journalism & Communication, CHUSS	Framing Peace: Exploring Conciliatory Radio Programming in Burundi and Uganda	Dr Florence Brisset- Foucault	Completed Fellowship
2NDCOHORT : 2014					
	Name	Position and Department	Project	Collaborator(s)	Status
1	Dr. Wilber Manyisa Ahebwa	Senior Lecturer, Forestry, Biodiversity and Tourism, CAES	Conserving Wildlife on Private and Community Land: an Evaluation of Trophy policy and its Implications on Conservation and Livelihoods in Uganda	Dr Chris Sandbrook	At Cambridge to return in June 2015
2	Dr Edgar Nabutanyi	Lecturer , Literature, Humanities CHUSS	Representations of Homosexuality in Ugandan Media and Fictional Texts	Prof Veronique Mottier	At Cambridge to return on 24th February 2015
3	Dr Harriet Mutambo Nabushawo	Lecturer, Open and Distance Learning, CEES	Development of Teacher Competencies through Open & Distance Education	Dr. Elaine Wilson, Dr. Mark Winterbottom, Dr. James de Winter	At Cambridge to return on 30th April 2015
4	Dr Henry Ssebuliba Busulwa	Senior Lecturer, Science, Technical & Vocational Education, CEES	Enhancing applied ecology in East African Schools	Dr Mark Winterbottom	At Cambridge to return in May 2015: unconfirmed)
5	Assoc. Prof Julius Kiiza	Assoc. Professor, Political Science & Public Administration, CHUSS	Is There a Developmental State in Rwanda?	Prof Ha Joon Chang	Returned in December 2014, collecting data in Uganda
6	Dr Paul Omach	Assoc. Professor, Political Science & Public Administration, CHUSS	Local communities, Institutions and Peace Building in Northern Uganda	Dr Devon Curtis	At Cambridge to return in July 2015
7	Dr Rovincer Najjuma	Lecturer, Education & External Studies, CEES	University-School Partnerships for Mentoring: Closing the theory- practice gap in initial teacher education	Dr Elaine Wilson	Returned December 2014, collecting data
8	Dr Saudah Namyalo	Lecturer, Linguistics, CHUSS	The documentation and description of Luyaaye: An urban-youth language spoken in Kampala	Dr Jenneke van der Wal	At Cambridge to return in May 2015
9	Dr. Mutunzi Ahmed Kitunzi	Lecturer, Business & Management Sciences, COBAMS	Advanced Solar technology and Viable Investment Opportunities for Social Enterprises in Uganda	Dr Shailendra Vyakarnam	At Cambridge to return in June 2015
10	Dr Juma Anthony Okuku	Lecturer, Political Science, CHUSS	Politics, the State and Limits of Oil- Led Development in Uganda and Ghana	Dr Kun-Chin Lin	At the University of Ghana, collecting data
11	Dr Bruno Lule Yawe	Senior Lecturer, Business and Management Sciences, COBAMS	Effect of Mobile Money Technology Adoption on Financial Literacy and Financial Inclusion in Uganda	Prof Jaideep Prabhu	At Cambridge to return in June 2015

3rd Cohort of the CAPREx Academic Fellowships 2015

The Call for the 2015 post doc fellowship programme was made and a total of 14 staff of Makerere University expressed interest. Of these, 6 were interviewed on 19th January 2015 and the results of the interviews will be communicated by the Cambridge University Partners by March 2015.

CAPREx Research Management Fellowships and Training 2014: A two-week long training programme was conducted at the University of Cambridge in September 2014. Ms. Harriet Nambooze, Dr. William Tayeebwa and Ms. Susan Mbabazi participated in the intensive and multi-faceted programme that focused pre- and post-award processes in the grant management cycle. The hands on training enhanced skills in costing of grants, database management and use of systems and software like excel and outlook efficiently.

CAPREx Annual General Meeting: The second Annual General Meeting of CAPREx took place on 2nd - 4th July 2014 at the University of Ghana, Legon. CAPREx Fellows made presentations about their fellowships and experiences. The meeting provided opportunity for fellows to share their research work and to network. In addition a work plan for 2014-2015 was discussed and is being implemented.

CAPREx Fellows' Log: A blog was created for the CAPREx academic Fellows and this has provided a platform for them to share their personal and professional development activities. CAPREx Fellows represent a wide variety of disciplines and research projects, as well as different levels of research experience.

CAPREx Academic leadership and Research Management Dissemination Workshop at Makerere University

The CAPREx Academic Leadership and Research Management Dissemination Workshop was held on Tuesday, 9th December 2014. The workshop was attended by Heads of Department in the College of Humanities and Social Sciences, College of Education and External Studies, College of Business and Management Sciences and the School of Law. The workshop focused on attributes and indicators of a research leader, research funding and forging a way forward for academic leadership at Makerere University. A total of 18 heads of Department attended the workshop. A number of strategies for improving the research culture at Makerere were proposed. These included development of departmental research agenda and research priority areas in line with the overall University research agenda; writing collaborative research proposals for funding; forming research teams rather than individual research

projects; having research as a timetabled activity just like teaching and participating in international research conferences.

2.2.4 Consortium of advanced Research Training in Africa (CARTA)

Makerere University is a member of the Consortium of Advanced Research Training in Africa (CARTA). The CARTA Initiative aims at strengthening doctoral training, supervision and developing the institutional capacity of participating universities to conduct and lead internationally-competitive, cutting-edge research. Prof. M. Buyinza, Director, DRGT is an executive members on CARTA. DRGT coordinates a number of activities including selection of candidates of the doctoral fellowships, attending consortia meetings. CARTA has continued to sustain the tempo of its programmatic activities and has recorded remarkable achievements. So far, over 300 Faculty and Administrators have undergone the CARTA training since the inception of the program in 2010. The successful implementation of such workshops enable the Faculty to develop their professional skills and knowledge and enhance their capacity in research governance, but more importantly broaden regional networks, sharing of experiences and learning about best practices in research governance, graduate training, mentoring and supervision. In addition, CARTA has committed financial support to Makerere University for procurement of Turn-It-In research software that go a long way in improving the quality of PhD supervision and research ethics.

DRGT also hosted the Faculty and Administrator Workshop. This training aimed at supporting Universities in Africa to produce high-quality research that will ably address the myriad issues facing Africa and meeting the development needs of the continent. The three day workshop held on 21st -23rd July 2014 brainstormed on the critical role of incentives in sustaining the interest to publish. Many Colleagues from Kenya, Nigeria, Malawi, Tanzania, Rwanda, Ghana, and even South Africa believe that its only monetary rewards that will cause results although a few maintain that we should never land into the trap of commercialized publication "publish-walk-to-the-bank" syndrome.

2.2.5 Joint SLU/Makerere Project on Innovative Doctoral Education for Food Security

The joint SLU/Makerere project “Innovative Doctoral Education for Global Food Security” focused on training doctoral students with the aim of increasing their competence in transferable skills; improving teaching and supervision capacity at both Makerere and satellite partner universities (namely National University of Rwanda, Jomo Kenyatta University of Agriculture and Technology, University of Nairobi, Kenya, University of Dar-es-Salam among others) creating research collaborative networks; creating opportunities for sustainable infrastructure and improved capacity for scientific communication;

establishing new forms for dialogue and exchange of experiences concerning academic leadership and quality assurance as well as integrating international and global dimensions to the doctoral education in partner universities.

A series of workshops and course were conducted and hosted by Makerere University and attended by doctoral students. The courses focused on:

- On being a scientist – Global and local perspectives (what is scientific knowledge and how to make ethical judgment)
- Information retrieval and scientific communication – Global and local perspectives
- Pedagogics for teaching and learning - Global and local perspectives

In addition number of workshops targeting senior researchers at Makerere University focused on:

- Pedagogics for teaching and learning
- Pedagogics for supervisors
- Efficient global scientific communication - Networks and platforms for exchange of information - Open Access and other methods
- The new global university - perspectives on leadership and quality assurance
- What is science

2.2.6 Africa Regional International Staff/Student Exchange (ARISE)

The ARISE Intra-ACP academic mobility scheme was established in 2012 to promote co-operation between Higher Education institutions (HEIs) and supports mobility in Africa, the Caribbean and the Pacific(ACP) regions. The programme aims to increase access to quality education that will encourage and enable ACP students to undertake postgraduate studies and to promote student retention in the region along with mobility of staff (academic and administrative), while increasing the competitiveness and attractiveness of the institutions themselves. This programme builds in the Africa Union's Mwalimu Nyerere programme for Africa.

ARISE aims to construct academic networks of international cooperation within Africa. The most important output of the project is the development of a sustainable network for intra-African mobility in the fields of Food Security and Sustainable Human well-being. The ARISE programme is designed to provide resources and opportunities for student and staff mobility from four regions of Africa, offering

support for Masters and Doctoral studies as well as for shorter research and administrative visits between consortium partners. The partners are:

National University of Rwanda (Rwanda), Makerere University (Uganda), University of Addis Ababa (Ethiopia), University of Ghana (Ghana), University of Nairobi (Kenya), University of Cape Town (South Africa), University of Leuven (technical Partner – Belgium, IEASA (associate partner) – South Africa). For the first cohort of awardees Makerere received 7 PhDs and 2 Masters Students as indicated in the table below:

	Student's Name(s)	Department/School/College	Duration of Study
1	Mr. Mohammed Abdulahi Abdulaziz (PhD)	Engineering, Design, Art & Technology	22 months
2	Mr. Lenjissa Abebe Getahew	Engineering, Design, Art & Technology	Full time PhD student
3	Mr. Tsegay Amanuel	Veterinary Medicine, Animal Resources and Biosecurity	10 months (Short term exchange)
4	Mr. Belay Asmamaw Tesfaw	Agricultural and Environmental Sciences	10 months (Short term exchange)
5	Mr. Keskes Melaku Simenew	Veterinary Medicine, Animal Resources and Biosecurity	10 months (Short term exchange)
6	Mr. Milkessa Tamene	Agricultural and Environmental Sciences	10 months (Short term exchange)
7	Mr. Kelbessa Wonda Mamo	Agricultural and Environmental Sciences	10 months (Short term exchange)
8	Ms. Santina Ikoki Chirino Ohuli	MSc. Paediatrics and Child Health	36 months
9	Mr. Mitei Keneth Kibet	Msc Immunology and Clinical Microbiology	24 months

5.3 Development Research Uptake for Sub-Saharan Africa (DRUSSA)

The DRUSSA programme is a joint initiative by three partner organisations that started in 2011. Two of these organisations are sub-Saharan based, namely the Centre for Research on Evaluation, Science and Technology (CREST) at Stellenbosch University, and Organisation Systems Design (OSD). The third partner, the Association of Commonwealth Universities (ACU), is an UK-based organisation with 110 African university members. The programme is funded by the UK Department for International Development (DFID). The programme focuses strengthening Research Uptake Management capacity in

twenty-four SSA Universities and influencing over 110 other SSA universities to improve their capacity and Makerere University is one of them.

DRUSSA has conducted 2 benchmarking surveys since its establishment to assess the research uptake experiences of Universities. The first survey was conducted in 2013 and the second one in 2014. As part of the exercise, universities responded to a comprehensive survey comprising institutional priorities; policies for research; staffing for research management and uptake; and current research and research uptake activities. On 12th – 14th March 2014, a DRUSSA benchmarking Conference was held in Cape Town, South Africa and Makerere University was represented by Ms. Susan Mbabazi, DRGT and Mr. Andrew Mwesigwa, University Library. From the survey, it is evident that Makerere University, like other DRUSSA partnering Universities, has registered tremendous growth in interest in research uptake.

On 8-10th December 2014, another conference focusing on developing strategies and policies to support research uptake and exploring challenges in measuring research uptake in partner's universities was held in Cape Town, South Africa. Dr. Alfred Tingo and Ms. Susan Mbabazi attended the meeting. The conference revealed continued consensus about the universities' role in producing appropriate research and getting it into the right hands.

For the remaining two years of the project, DRUSSA plans to focus on developing and implementing new approaches, systems and processes that will ensure research outputs are taken up more effectively by intended audiences.

Other activities to support some of the changes identified within university plans, include setting up a network for communication professionals, which will bring together people already working with Research Uptake Communicators 2014 and others nominated to share and develop a range of good practice in how to communicate research for different audiences; a set of learning materials around good practice in managing research uptake; a seminar for vice chancellors to showcase learning of the programme and how it can provide a strategic edge in higher education practice.