

## APPENDICIES

**Table P1. Doctorate holders by sex and age class**

	Men	2010 Women	Unknown	Total
Less than 35 years old	4	3		7
35-44 years old	72	22		94
45-54 years old	85	24		109
55-64 years old	35	14		49
65-69 years old	8	0		8
Unknown			4	4
Granad Total	204	63		271

**Citizens of Uganda of which**

	Citizens by birth	Citizens by naturalisation	Unknown type	Total
Natives	266	3	2	271
Foreign				
Unknown				
<b>Total</b>	<b>266</b>	<b>3</b>	<b>2</b>	<b>271</b>

**Table P3. Doctorate holders by sex and Country of citizenship**

	Men	Women	Unknown	Total
By birth	198	59	3	260
by naturalisation	2	1	0	3
Permanent resident	4	3	0	7
Unknown type of citizen	1	0	0	1
<b>Grand Total</b>	<b>205</b>	<b>63</b>	<b>3</b>	<b>271</b>

**Table P4. Doctorate holders citizenship/ residence status and age class**

	citizenship of Uganda by Birth	Parmanent Residents	Naturalisation	Unknown	Total
Less than 35 years old	7	0			7
34-44 years old	90	3	1		94
45-54 years old	103	4	2		109
55-64 years old	49				49
65-69 years old	7	0		1	8
Unknown	4				4
<b>Grand Total</b>	<b>260</b>	<b>7</b>	<b>3</b>	<b>1</b>	<b>271</b>

New OCDE FOS Classification Citizens of Uganda		Grand Total 271
1	NATURAL SCIENCES	
1.1	MATHEMATICS	8
1.2	COMPUTER AND INFORMATION SCIENCE	9
1.3	PHYSICAL SCIENCES	5
1.4	CHEMICAL SCIENCES	6
1.5	EARTH AND ENVIRONMENTAL SCIENCES	3
1.6	BIOLOGICAL SCIENCES	34
1.7	OTHER NATURAL SCIENCES	2
2	ENGINEERING AND TECHNOLOGY	
2.1	CIVIL ENGINEERING	8
2.2	ELECTRICAL ELECTRONIC AND INFOR	3
2.3	MECHANICAL ENGINEERING	2
2.4	CHEMICAL ENGINEERING	
2.5	MATERIALS ENGINEERING	
2.6	MEDICAL ENGINEERING	
2.7	ENVIRONMENTAL ENGINEERING	
2.8	ENVIRONMENTAL BIOTECHNOLOGY	
2.9	INDUSTRIAL BIOTECHNOLOGY	
2.11	NANOTECHNOLOGY	
2.12	OTHER ENGINEERING AND TECCHNOLOG	4
3	MEDICAL AND HEALTH SCIENCES	
3.1	BASIC MEDICINE	9
3.2	CLINICAL MEDICINE	1
3.3	HEALTH SCIENCES	3
3.4	MEDICAL BIOTECHNOLOGY	4
3.5	OTHER MEDICAL SCIENCES	1
4	AGRICULTURAL SCIENCES	
4.1	AGRICULTURE FORESTRY AND FISHERI	26
4.2	ANIMAL AND DAIRY SCIENCE	7
4.3	VETERINARY SCIENCE	16
4.4	AGRICULTURAL BIOTECHNOLOGY	1
4.5	OTHER AGRICULTURAL SCIENCES	4
5	SOCIAL SCIENCES	
5.1	PSYCHOLOGY	5
5.2	ECONOMICS AND BUSINESS	7
5.3	EDUCATION SCIENCES	18
5.4	SOCIOLOGY	1
5.5	LAW	3
5.6	POLLITICAL SCIENCES	1
5.7	SOCIAL AND ECONOMIC SCIENCES	4
5.8	MEDIA AND COMMUNICATION	4
5.9	OTHER SOCIAL SCIENCES	9
6	HUMANITIES	
6.1	HISTORY AND ARCHAEOLOGY	9
6.2	LANGUAGES AND LITERATURE	8
6.3	PHILOSOPHY ETHICS AND RELIGION	13
6.4	ARTS	19
6.5	OTHER HUMANITIES	4
6.6	UNSPECIFIED FIELD OF DOCTORAL AWARD	12

**Table P6. Doctorate holders by sex and country of birth**

	Men	Women	Unknown	Total
Born in Uganda	205	63	3	271

**Table P7. Doctorate holders by place of birth/residence status and Age class**

	Born in Uganda
Less than 35 years old	7
35-44 years old	94
45-54 years old	109
55-64 years old	49
65-69 years old	8
Unknown	4
Grand Total	271

**Table EDU1. Doctorate holders by citizenship/residence status and Region of doctoral award**

	Citizens of Uganda by birth	Permanent Residents	Naturalisation	Unknown type of status	Total
Doctorate degree received in Uganda	260	7	3	1	271
Grand Total	260	7	3	1	271

**Table EDU2. Doctorate holders by place of birth/residence status and region of doctorate award**

	Born in Uganda	Unknown country of birth	Total
Doctorate degree received in Uganda	270		270
Unknown		1	1
Grand Total	270	1	271

**Table EDU3. Doctorate holders by place of Doctoral award and place of ISCED 5 training**

Place of prior education	Place of Doctoral degree award In Uganda
Previous degree obtained in Uganda (ISCED 5 LEVEL)	46
Previous degree obtained in another country	15
Unknown place of prior education	210
	271

Table EDU5. Doctorate holders by main field of doctorate award and primary source of funding

Primary source of funding	Field of doctoral award							TOTAL
	NATURAL SCIENCES	ENGINEERING AND TECHNOLOGY	MEDICAL AND HEALTH SCIENCES	AGRICULTURAL SCIENCES	SOCIAL SCIENCES	HUMANITIES	UNSPECIFIED FIELD	
Fellowship or scholarship from an institution in Uganda	2		1	5	6	3	5	22
Fellowship or scholarship from abroad	16	1		5		1	3	26
Teaching and/or research assistantship	2			1				3
Employer reimbursement or assistance	2					1	3	6
Loan, personal savings, support from spouse, partner or family	0				3			3
Other occupation				1				1
Unknown	43	16	17	42	43	48	1	210
TOTAL (all sources of funding)	65	17	18	54	52	53	12	271

Table EMP2.1 Employment status and field of Doctorate degree

FIELD OF DOCTORAL AWARD	EMPLOYED								
	Situation in employment			Type of contract			Working time		
	Employee	Self-employed	Unspecified	Permanent contract	Temporary contract	Unspecified contract	Full time employment	Part time employment	Unspecified
NATURAL SCIENCES	63	0	2	54	8	3	58	0	7
ENGINEERING AND TECHNOLOGY	16	0	1	15	1	1	16	0	1
MEDICAL AND HEALTH SCIENCES	18	0	0	13	4	1	18	0	0
AGRICULTURAL SCIENCES	54	0	0	46	7	1	53	0	1
SOCIAL SCIENCES	50	0	2	45	6	1	48	0	3
HUMANITIES	53	0	0	47	6	0	52	0	1
UNSPECIFIED FIELD	9	0	3	9	0	3	7	0	6
TOTAL	263	0	8	229	32	10	252	0	19

Table EMP2.2 Employment status and age class

Age class	EMPLOYED									
	Situation in employment			Type of contract				Working time		
	Employee	Unspecified	Total	Permanent contract	Temporary contract	Unspecified contract	Total	Full time employment	Unspecified	Total
Less than 35 years old	7	0	7	6	1	0	7	7	0	7
35-44 years old	92	2	94	85	7	2	94	89	5	94
45-54 years old	104	5	109	101	4	4	109	100	9	109
55-64 years old	48	1	49	31	16	2	49	46	3	49
65-69 years old	8	0	8	4	3	1	8	8	0	8
Unknown		4	4			4	4		4	4
TOTAL EMPLOYED	259	12	271	227	31	13	271	250	21	271

Table EMP2.3 Employment status and citizenship

EMPLOYED										
Age class	Situation in employment			Type of contract				Working time		
	Employee	Unspecified	Total	Permanent contract	Temporary contract	Unspecified contract	Total	Full time employment	Unspecified	Total
Citizens of Uganda	262	8	270	228	32	10	270	252	18	270
Unknown citizenship	1		1	1	0	0	1		1	1
TOTAL	263	8	271	229	32	10	271	252	19	271

Table EMP3. Doctorate holders by Employment status and primary source of funding

EMPLOYED											
Primary source of funding	Situation in employment				Type of contract				Working time		
	Employee	Self-employed	Unspecified	Total	Permanent contract	Temporary contract	Unspecified contract	Total	Full time employment	Unspecified	Total
Fellowship or scholarship from an institution in Uganda	20	0	2	2	18	1	3	22	17	4	21
Fellowship or scholarship from abroad	22	0	4	4	21	2	3	26	16	10	26
Teaching and/or research assistantship	3	0	0	0	2	0	1	3	2	1	3
Employer reimbursement or assistance	4	0	2	2	4	0	2	6	4	2	6
Loan, personal savings, support from spouse, partner or family	3	0	0	0	3	0	0	3	2	1	3
Other sources	1	0	0	0	1	0	0	1	1		1
Unknown unknown sources	110	0	0	0	180	29	1	210	210	1	211
Total respondents	163	0	8	171	229	32	10	271	252	19	271

Table PERC1.1. Employed doctorate holders: Perception regarding their job Qualification by Sex and Year of Doctoral Award

Year of Doctoral award	Job relation to the doctorate degree											
	Closely related				Partly related				Not related			
	Male	Female	Unknown Gender	Total	Male	Female	Unknown Gender	Total	Male	Female	Unknown Gender	Total
Before 1990	2			2								
1990	1			1								
1991												
1992												
1993					1		1	1				
1994												
1995												
1996	1			1								
1997	1			1								
1999	3			3								
2000	3			3								
2001	3	1		4								
2002	1			1								
2003	3	1		4								
2004	1			1								
2005	4	3		7								
2006	2			2		1	1	1				
2007	2			2								
2008	2			2								
2009	6	3		9								
2010	3	1		4								
2011	2	1		3								
Unkown Year												
Total Employed	40	10		50	1	1	2	2				

**Table PER1.2 Perception regarding their job Qualification by Sex and field of doctorate degree**

Field of Doctoral award	Job relation to Doctorate degree								
	Related			Partly related			Not related		
	Men	Women	Unknown gender	Men	Women	Unknown gender	Men	Women	Unknown gender
NATURAL SCIENCES	19	1		1					
ENGINEERING AND TECHNOLOGY	1								
MEDICAL AND HEALTH SCIENCES									
AGRICULTURAL SCIENCES	8	4							
SOCIAL SCIENCES	3								
HUMANITIES	4								
UNSPECIFIED FIELD	6								
<b>Total employed</b>	<b>41</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Table PER2.1. Employed Doctorate holders: Satisfaction with their employment situation by sex and criteria of satisfaction**

	Very satisfied			Somewhat satisfied			Somewhat dissatisfied			Very dissatisfied		
	Men	Women	Unknown gender	Men	Women	Unknown gender	Men	Women	Unknown gender	Men	Women	Unknown gender
Salary	0			12	2	1	12	5	1	19	5	0
Benefits	2	1		6	2		20	3	2	14	6	0
Job security	21	9	1	18	4	1	2			1		
Job location	29	9	2	10	3		3	1		0		
Working conditions	4	3		14	3	1	13	4	1	11	2	
advancement	14	6		19	4	1	5	2	1	5	1	
Intellectual challenge	24	7		12	4	2	5	1		1	1	
Level of responsibility	17	4	1	19	5	1	4	3		3	1	
Degree of responsibility	26	6	1	12	5	1	3	1		2	1	
Contribution to society	14	7		24	5	2	4	1		1		
Social status	10	6	1	20	5		9	1	1	4	1	
Overall level of satisfaction	4	1		28	7	1	9	3	6	3	2	0

**Table PER2.2 Employed doctorate holders: Satisfaction with their employment situation by research status and criteria of satisfaction**

	Very satisfied		Somewhat satisfied		Somewhat dissatisfied		Very dissatisfied	
	Employed as a researcher	Employed not as a researcher	Employed as a researcher	Employed not as a researcher	Employed as a researcher	Employed not as a researcher	Employed as a researcher	Employed not as a researcher
Salary			13	1	18		20	2
Benefits	2		8		22	2	18	1
Job security	28	2	21	1	2		1	
Job location	37	2	12		3	1		
Working conditions	6		17	1	16	2	12	
Opportunities for advancement	19		22	1	7	1	4	1
Intellectual challenge	28	2	17		6		1	1
Level of responsibility	19	2	24		7		2	1
Degree of Indipendence	30	2	18		3		1	1
Contribution to society	20		28	2	4	1		
Social status	16	1	23	1	11		2	2
Overall level of satisfaction	5		32	2	12		3	1

**Table OMOB1. Mobility intentions in the next year by country of intended destination**

	Citizens of Uganda
of which: no intentions to move out of Uganda	29
Intentions to move out of Uganda	39
INTENDED DESTINATION	
ETHIOPIA	1
KENYA	6
KOREA	1
NETHERLANDS	1
NORWAY	1
SOUTH AFRICA	3
SOUTH SUDAN	1
TANZANIA	2
USA	3
Intentions an destination not known	252

Reasons for choosing a research career	Sex Male	Female
Creativity and innovativeness of work	32	9
Well paid job	1	1
Benefits	11	3
Opportunities for advancement	32	7
Job security	10	3
Working conditions	4	0
Degree of independence	16	3
Contribution to society	21	6
Other employment not available		
Research generally expected for career	26	7
Specific interest for research work	17	6

**Articles co-authored by Sex**

	male	female	not known
< 10	18	6	1
10 - 19	11	2	1
20 - 29	8		1
30 - 39	3		
40 - 49			
50+	1		
<b>Total</b>	<b>41</b>	<b>8</b>	<b>3</b>

**Books, monographs, and book chapters, (co)authored by you, have been published by Sex**

		male	Gender female	not known
Number of books, monographs, and book chapters, (co)authored	0	18	3	
	1	8	3	
	2	4	2	
	3	5	1	1
	4	4	0	1
	5	4	2	0
	7	1		
	8	1		
	10	1		
<b>Total</b>		<b>46</b>	<b>11</b>	<b>2</b>

**Patent applications have you been named as an inventor between January 1990 and 2010 and sex**

		male	Gender female	not known
Number	0	46	10	2
	2	1		
<b>Total</b>		<b>47</b>	<b>10</b>	<b>2</b>

**How many patents have been granted to you as an inventor between January 1990 and 2010**

		male	Gender female	not known
Number	0	45	11	2
	10	1		
<b>Total</b>		<b>46</b>	<b>11</b>	<b>2</b>

**Have you started up a company between January 1990 and December 2010? And Sex**

		male	Gender female	not known
Number	0	1	0	0
	1	7	1	1
	2	24	9	1
<b>Total</b>		<b>32</b>	<b>10</b>	<b>2</b>



### How many of your patents have resulted in commercialized products and Sex

		male	Gender female	not known
How many of your patents have resulted in commercialized products	0	46	11	2
	1			
	2			
<b>Total</b>		<b>46</b>	<b>11</b>	<b>2</b>

### Mentorship programs or training programs between January 1990 and 2010 and sex

		male	Gender female	not known
Have you conducted mentorship programs or training programs between Jan	Yes	35	8	1
	No	4		
	Unspecified	7	5	1
<b>Total</b>		<b>46</b>	<b>13</b>	<b>2</b>

### Research in cooperation with research groups outside the country by Sex

		male	Gender female	not known
Have you conducted research in cooperation with research groups outside	Yes	32	7	1
	No	10	2	
	Unspecified	4	4	1
<b>Total</b>		<b>46</b>	<b>13</b>	<b>2</b>

