

THE OPEN EDUCATIONAL RESOURCES (OER) DIFFERENTIATION IN AFRICA (KENYA, GHANA & SOUTH AFRICA)

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The Open Educational Resources (OER) Differentiation in Africa (Kenya, Ghana & South Africa)

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GO-GN OER Graduate Network

4th GO-GN Seminar & OpenEd
Conference Alberta Banff, Canada
19-24 April 2015



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Who Am I?

- PhD Researcher at the Open University Netherlands (OU NL)
- Member of Global Open Educational Resources Graduate Network (GO-GN)
- Lecturer at Tangaza University College, Nairobi Kenya
- Africa Coordinator for ROER4D project 2

4th GO-GN Seminar & OpenEd Conference
Alberta Banff, Canada
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Sample

- Lecturers
- Students
- Surveyed 1,716 students and 90 Lecturers responded
 - Kenya
 - Ghana
 - South Africa
- ROER4D: Chile, Columbia, Brazil, India, Indonesia & Malaysia

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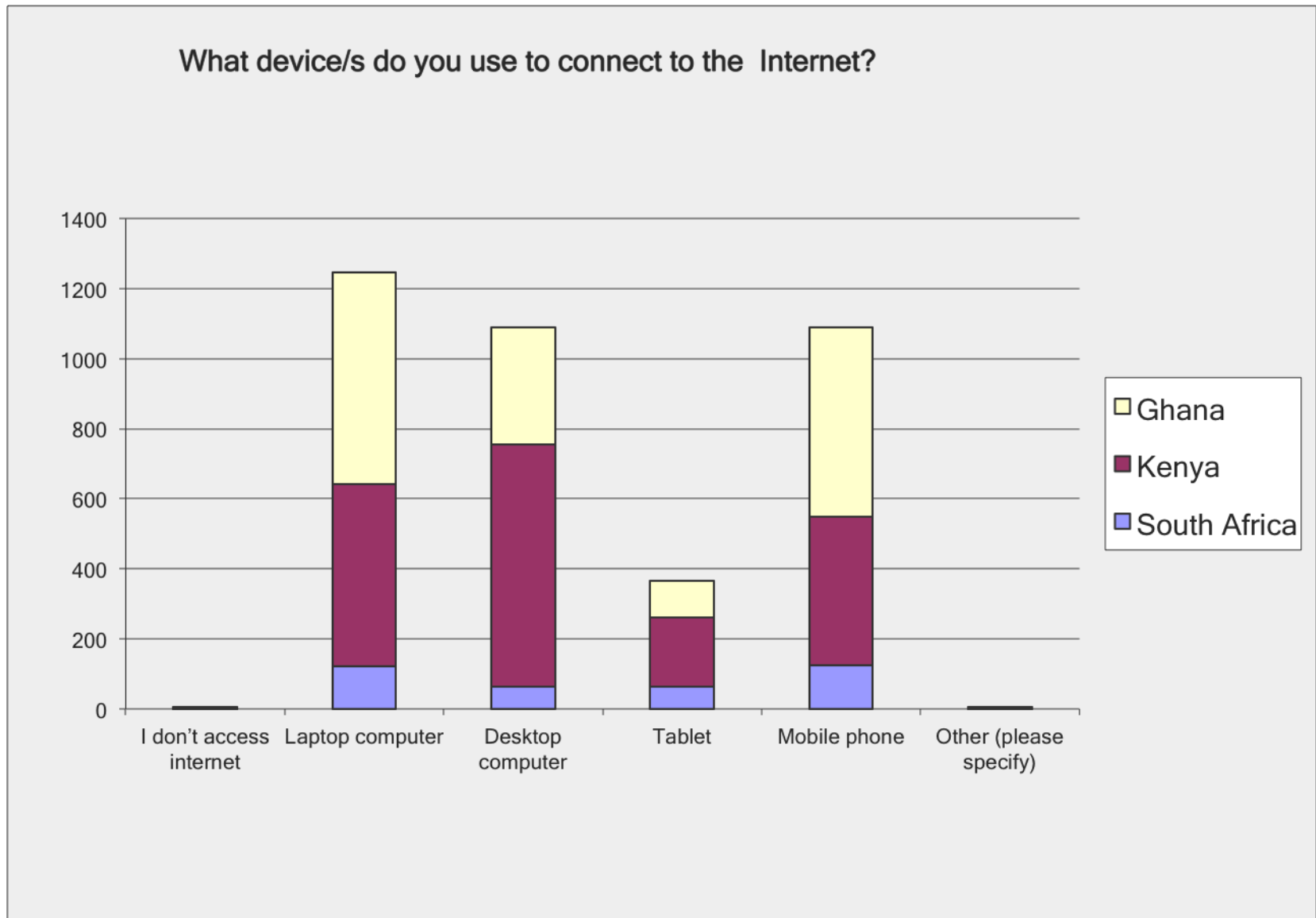


Research Questions

1. What is the extent of access and use of Education Resources?
2. What kind of education resources do you create, re-use, modify and share?
3. What are the perceptions of the value of OER?



What is the extent of access and use of Education Resources?



What is the extent of access and use of Education Resources?

To what extent are you satisfied with the Internet connection where you most frequently access it?

Vnurnculmy				
Answer Options	Ghana	Kenya	South Africa	Response Count
Cost				
Very dissatisfied	137	130	9	
Dissatisfied	270	213	23	
Unsure	73	24	19	
Satisfied	272	280	40	
Very satisfied	79	172	30	
N/A	5	7	13	
	836	826	134	1796
Speed				
Very dissatisfied	150	170	5	
Dissatisfied	282	281	25	
Unsure	68	37	13	
Satisfied	262	236	62	
Very satisfied	72	94	28	
N/A	2	8	1	
	836	826	134	1796
Stability				
Very dissatisfied	154	171	11	
Dissatisfied	312	273	29	
Unsure	109	86	17	
Satisfied	207	206	58	
Very satisfied	48	86	18	
N/A	6	10	1	
	836	826	134	1796

What kind of education resources do you create, re-use, modify and share?

Word, excel & ppt resources

STUDENT— Eng h - Open Edu n Resouuns Differentiation Project

Belmu were are examples at Edneatidnal Resmnces, For each iesmnce I siled helmu_ lick all lhal
 2 annly ld van, Please answer all laws

Answer Options	Ghana	Kenya	South Africa	Response Count
Word Document or equivalent				
Created my own	537	786	91	
Use others' "as is" (copy)	195	89	43	
Modified/edited or combined others'	118	242	48	
Shared my own or modified versions with others (distinct)	60	222	49	
Never created, used, modified or shared	60	29	1	
	970	1288	232	2490
Powerpoint or equivalent				
Created my own	476	707	83	
Use others' "as is" (copy)	221	71	49	
Modified/edited or combined others'	117	237	40	
Shared my own or modified versions with others (distinct)	47	214	35	
Never created, used, modified or shared	86	39	2	
	941	1268	209	2418
Excel spreadsheet or equivalent				
Created my own	454	670	86	
Use others' "as is" (copy)	208	76	43	
Modified/edited or combined others'	90	239	43	
Shared my own or modified versions with others (distinct)	47	206	41	
Never created, used, modified or shared	107	58	4	
	906	1249	217	12272



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Image, Audio & Video resources

Images				
Created my own	414	462	69	
Use others' "as is" (copy)	301	279	64	
Modified/edited or combined others'	102	208	39	
Shared my own or modified versions with others (distrib)	67	183	36	
Never created, used, modified or shared	94	148	4	
	978	1280	212	2470
Audio				
Created my own	270	286	43	
Use others' "as is" (copy)	403	282	53	
Modified/edited or combined others'	91	149	25	
Shared my own or modified versions with others (distrib)	52	145	20	
Never created, used, modified or shared	128	225	15	
	944	1087	156	2187
Videos				
Created my own	196	259	41	
Use others' "as is" (copy)	456	311	65	
Modified/edited or combined others'	81	161	20	
Shared my own or modified versions with others (distrib)	53	151	19	
Never created, used, modified or shared	132	228	9	
	918	1110	154	2182

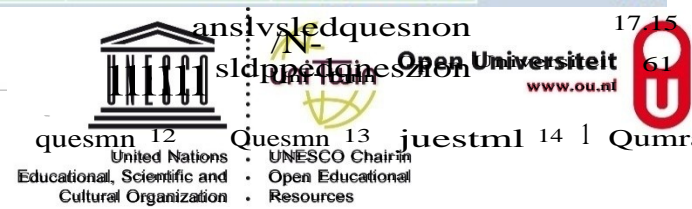


What kind of education resources do you create, re-use, modify and share?

	A	E	c	D	E	F
33 Created my own			64	34	7	
34 Use others' assets (copy)			426	299	77	
35 Modified/edited or combined others'			110	911	12	
36 Shared my own or modified versions with others (distributed)			45	122	11	
37 Never created, used, modified or shared			235	3311	12	
33			331	925	119	1927

Whole courses, MOOCs & data sets

Whole courses						
911 Created my own			54	75	5	
91 Use others' assets (copy)			348	244	59	
92 Modified/edited or combined others'			105	42	10	
93 Shared my own or modified versions with others (distributed)			45	43	5	
94 Never created, used, modified or shared			310	457	25	
			862	861	104	1827
Massive Open Online Courses (MOOCs)						
96 Created my own			32	71	3	
93 Use others' assets (copy)			265	236	40	
99 Modified/edited or combined others'			65	28	7	
110 Shared my own or modified versions with others (distributed)			27	18	5	
111 Never created, used, modified or shared			458	498	52	
			847	851	107	1805
Data sets						
104 Created my own			66	226	22	
115 Use others' assets (copy)			279	257	45	
116 Modified/edited or combined others'			85	125	17	
117 Shared my own or modified versions with others (distributed)			36	106	10	
113 Never created, used, modified or shared			406	349	36	
			872	1063	130	2065



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What are the perceptions of the value of OER?

Perceived usefulness

STUDENT - English - Open Education Resources Differentiation Project

Perceived usefulness - The extent you believe that OER may enhance learning outcomes. Please answer all items

Answer Options	Your country			Response Count
	Ghana	Kenya	South Africa	
OER improves my learning outcomes				
Strongly disagree	9	8	0	763
Disagree	11	2	0	
Neither agree or disagree	29	11	4	
Agree	237	196	27	
Strongly agree	106	115	8	
	392	332	39	
OER is very useful to me				
Strongly disagree	6	8	0	763
Disagree	10	2	0	
Neither agree or disagree	40	14	6	
Agree	215	187	24	
Strongly agree	121	121	9	
	392	332	39	
OER helps me accomplish my learning effectively				
Strongly disagree	6	7	0	763
Disagree	12	4	0	
Neither agree or disagree	53	19	9	
Agree	211	186	20	
Strongly agree	110	116	10	
	392	332	39	



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What are the perceptions of the value of OER?

Playfulness of OER

STUDENT— Eng fl - Open Edi] fl RBSDUIKES Differentiation Pmject

2 Playfulness - the eaennd which ydn may enidy OER, Please answer all rdws

Answer Options	Your country			Response Count
	Ghana	Kenya	South Africa	
I feel OER helps me improve my creativity				
Strongly disagree	8	2	1	763
Disagree	20	4	2	
Neither agree or disagree	63	17	16	
Agree	238	193	17	
Strongly agree	63	116	3	
	392	332	39	
I feel OER helps me improve my imagination by obtaining information				
Strongly disagree	6	4	1	763
Disagree	19	2	0	
Neither agree or disagree	54	16	14	
Agree	232	206	21	
Strongly agree	81	104	3	
	392	332	39	
I feel I can have with OER, a variety of experiences without any interference				
Strongly disagree	5	7	1	763
Disagree	12	5	0	
Neither agree or disagree	75	25	15	
Agree	219	205	20	
Strongly agree	81	90	3	
	392	332	39	

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Intention to use OER

Answer Options	Your country			Response Count
	Ghana	Kenya	South Africa	
I prefer OER to traditional learning				
Strongly disagree	10	11	1	763
Disagree	61	13	10	
Neither agree or disagree	88	22	20	
Agree	181	148	7	
Strongly agree	52	138	1	
	392	332	39	
I am willing to participate in other OER opportunities				
Strongly disagree	7	3	0	763
Disagree	11	2	2	
Neither agree or disagree	26	11	13	
Agree	263	191	21	
Strongly agree	85	125	3	
	392	332	39	
OER should be implemented in several courses				
Strongly disagree	8	4	0	763
Disagree	14	6	2	
Neither agree or disagree	26	13	10	
Agree	251	198	19	
Strongly agree	93	111	8	
	392	332	39	



Conclusion

Tablet is the least used device in Kenya and Ghana.

Kenya and Ghana are not satisfied with the speed, cost and stability of internet connection.



Conclusion

Creation: Kenya and Ghana create basic & intermediate educational resources

Sharing: More people from Kenya share these educational resources as compared to Ghana

Most respondents from Kenya & Ghana do not create advanced Ed. Resources



Conclusion

We have a great opportunity to foster OER use, people agreed that is useful; fun and intends to use it in the future.



Thank You for your attention

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