

**Shaping a digitally supported- ecosystem of emerging African scholars: My exploits, dreams and nightmares.**

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*TECHNOLOGY SUPPORTED ECO-SYSTEM: DREAMS  
EXPLOITS AND NIGHTMARES...*

- Research student(PhD Mathematics Education)
- MRES/Msc
- Founder Trustee-Africa Mathscience Technology Research and Education Foundation(AMSTREF)

...

- Commonwealth Scholar
- Archbishop Leadership Fellow:

*‘a dynamic network of Fellows passionately committed to the continent’s transformation, bridging the divide between nations and ensuring that Africa is set centre-stage in global affairs. <http://aloinstitute.org/>’*

- Global Leadership Interlink

*a global network of thousands of professionals and university students committed to transformation in society through the development of values-based leaders. <http://glinetwork.org/>*

...Pause now, and let the sight of this  
sheer cliff(presentation)

Become a priming-place which lifts  
you off

To speculate

What if..?

What if..?

What if..?

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Technology....

Double Edged  
Sword...



# THE SHU CONFERENCE

-organised by  
commonwealth scholars

--about 80 attendees:-  
mostly African students in a  
cross-section of universities  
in UK.

-streamed across three  
locations in the UK



Commonwealth Scholars' Conference – 6<sup>th</sup> February 2016, Sheffield Hallam University.

State of Research and Postgraduate Research Training in  
Developing Countries: A Focus on Africa

Venue: Pennine Lecture Theatre, Owen Building, Howard Street;  
Time: 10:00 – 16:30 GMT

Keynote Speakers



**Brilliant Mhlanga PhD.** Archbishop Tutu  
Leadership Fellow 2007:  
*Africa's 'Academic'  
Diaspora: Untapped or  
Underused Resource?*  
Brilliant is a media,  
public policy, politics and  
development studies  
lecturer at University of  
Hertfordshire. A  
renowned speaker and  
writer, Brilliant frequently  
does political analysis for BBC and Voice of  
America Studio 7.



**Janet Midega, PhD.**  
*Global Research Collaborations: Challenges  
and Opportunities.*  
Janet is a Research Associate  
in *Anopheles* population  
genomics at Oxford  
University where she is  
working jointly with the  
KEMRI-Wellcome Trust  
Research Programme in  
Kilifi, Kenya. Prior to joining  
Oxford, Janet worked as a  
post-doctoral fellow at  
Imperial University-London for seven years.



**Alison Clark-Wilson, PhD**  
*Research Associations: Could this be the  
missing voice?*  
Alison Post-doctoral  
Research Fellow at  
Institute of Education,  
UCL. As a researcher in  
mathematics  
education, she has a  
special interest in  
educational  
innovations for school  
mathematics that  
involve digital technologies. An eloquent and  
passionate speaker, Alison is a longstanding and  
active member of British Educational Research  
Association (BERA).



**Herine Otieno-Menya:** Commonwealth  
scholar 2014(PhD). Archbishop Tutu  
Leadership fellow 2007  
*A Call for a Collective  
Strategic Action*  
A PhD research student in  
mathematics education at  
Sheffield Hallam University,  
Herine  
is also the founder trustee  
of the Africa Maths Science  
Technology Research and  
Education  
Foundation(AMSTREF) a  
platform she continues to use for interventions  
aimed at positively contributing to the education  
and research agenda in Africa

Theme: Reengineering Challenges into Opportunities.

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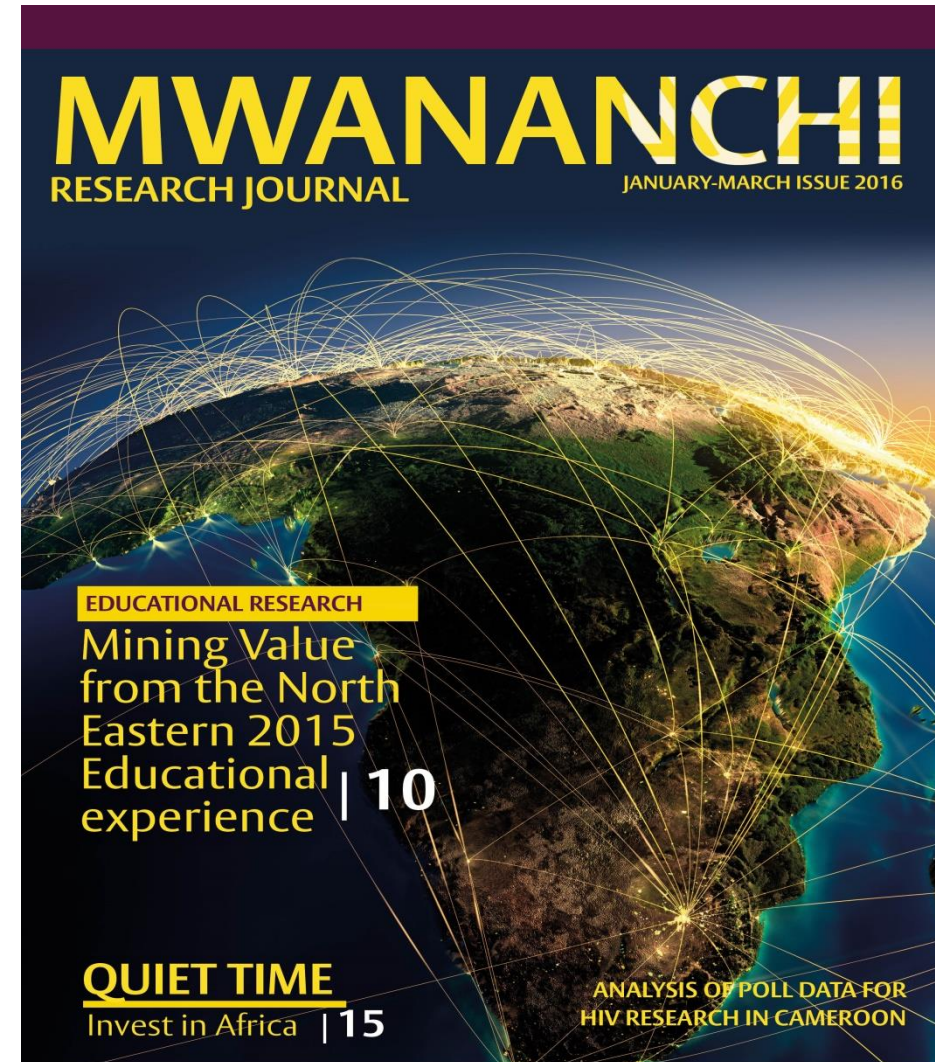
# REENGINEERING CHALLENGES INTO OPPORTUNITIES

CONTRIBUTING TO THE RESEARCH AGENDA...AS EMERGING SCHOLARS



Dream...

public  
communication of  
research done about  
Africa and/or done  
by African  
researchers



PROUDLY WRITTEN BY:  
AFRICA MATHSCIENCE TECHNOLOGY RESEARCH AND EDUCATION FOUNDATION



Prof. Dr. James Otieno

Commonwealth Scholar 2014

# Exploit..

Meet a PhD student Zoom forum...

Now, since I started interacting with you, I somehow began adapting, I imagine...the mind of a researcher...I have been observing and taking views from students...(from four Kenya secondary school student...)

It is always inspiring to see that a young person can do a PhD...



Building life shaping destiny...20/12/2016: 2000-2200hrs(EAT)

## AMSTREF "MEET A PhD student" ZOOM FORUM

### The PhDs'...

Ng'eno Faith Cheleng'at  
Country: Kenya  
University of Sheffield-UK  
*Focus of PhD: Towards Sustainable architecture in Kenya*



Julia Podziawska  
Country: United Kingdom  
Sheffield Hallam University-UK  
*Focus of PhD: British Novels Plots during the mid -19<sup>th</sup> century*



Aramide Gbolahan  
Country: Nigeria  
Sheffield Hallam University-UK

*Focus of PhD: investigating characteristics of unplanned readmission in hospitals*



Maruf A. Raheem  
Country: Nigeria  
Sheffield Hallam University.  
*Focus of PhD: How to protect Nigeria's stock markets from global financial risks.*



Dr. Sabuj Bhattacharyya  
Country: India  
University of Sheffield-UK  
*Focus of PhD: Using of alpine mammals-Pikas to study climate change impact...*



Dieudonné Cheddy  
Country: Cameroon  
University of Sheffield-UK  
*Focus of PhD: anti-cancer medicines*

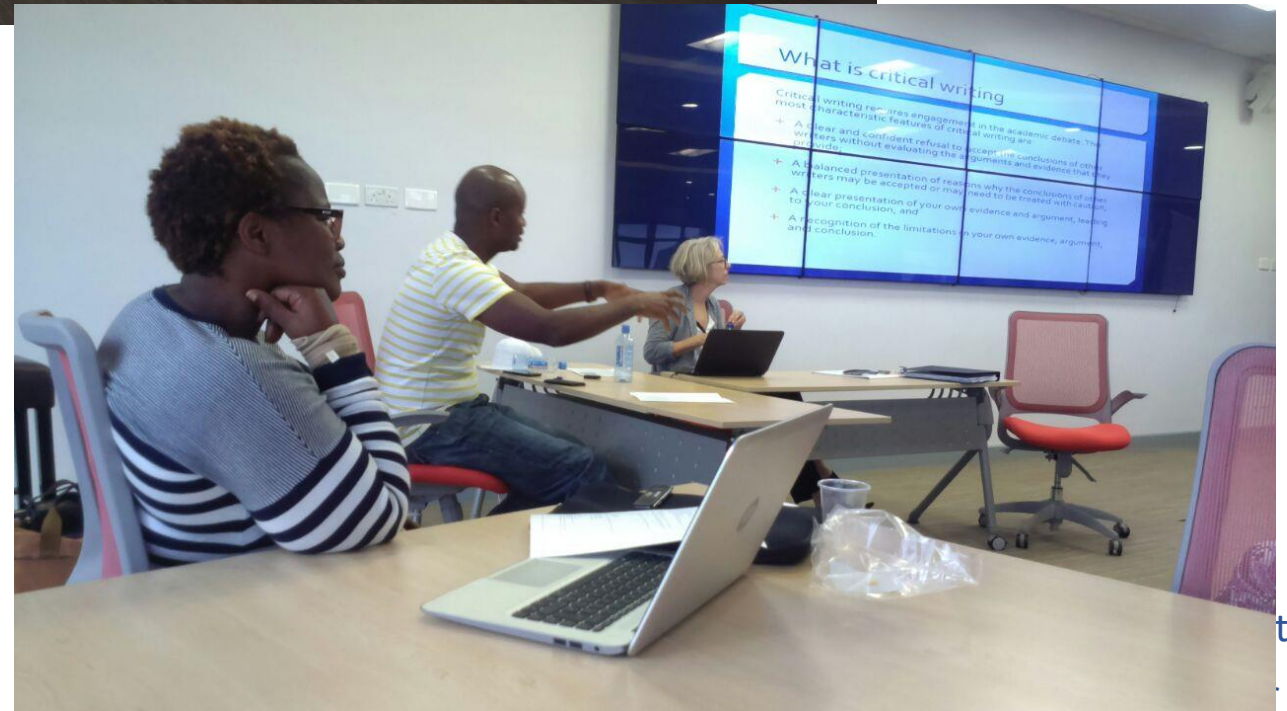
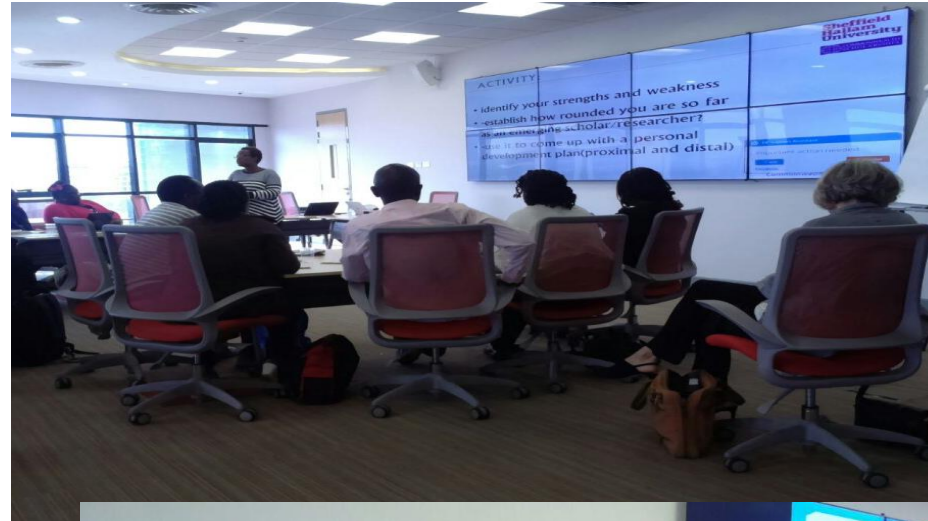


rine Adhiambo Otieno

Commonwealth Scholar 2014

Dream.../exploits

Exploiting  
mobile/technology to  
shape an eco-system of  
emerging African  
scholars in Africa and  
diaspora.





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...technology

-cross border peer  
interaction and support

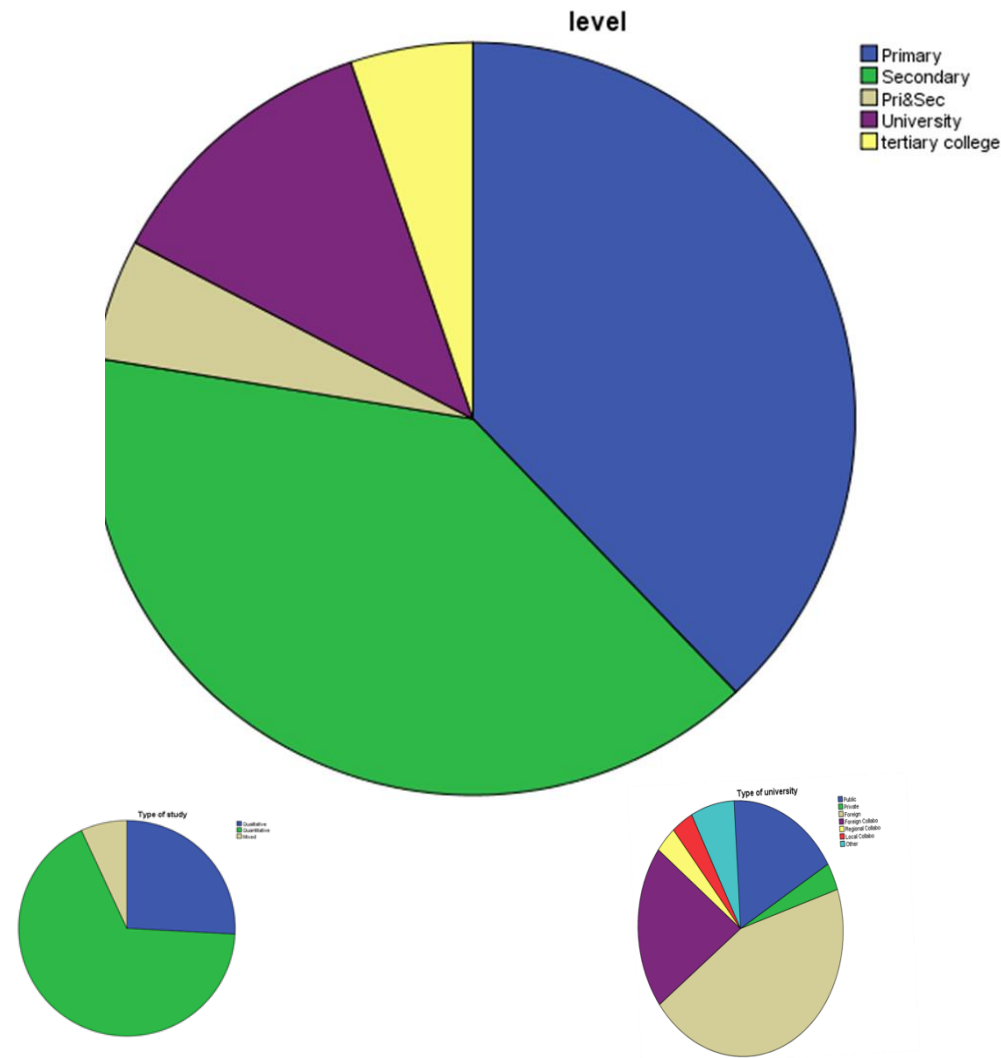
-webinars

-collaboration



# Dream: shaping research agenda

Higher Education Research in Africa...Are we going for the speck before the log?(ACU Leaders conference 2016)



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## ...Exploit...

### VOTE OF THANKS SPEECH...

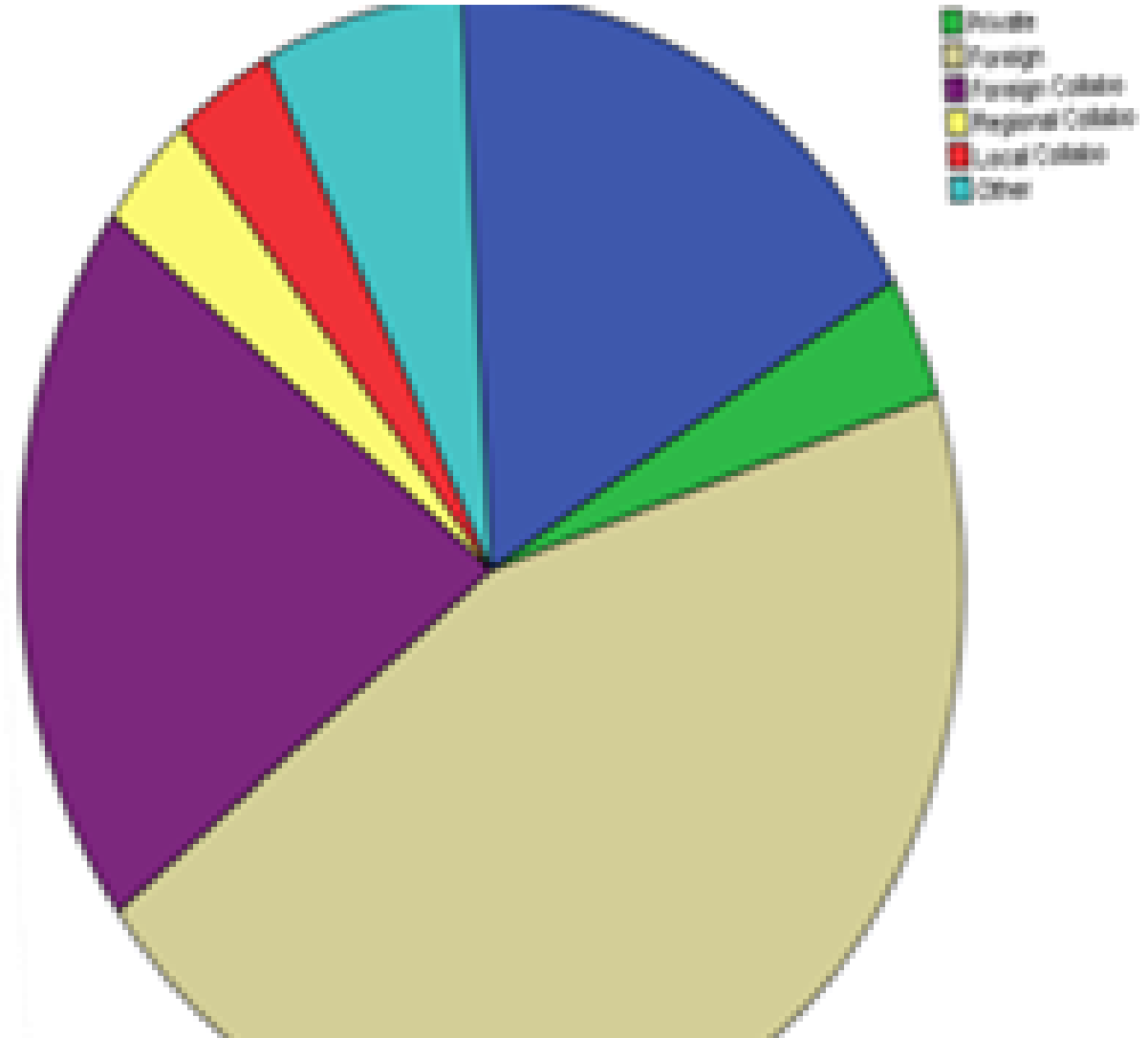
- Challenge to Africa's VC and Education Ministries



# Nightmare...

Culture of collaboration and networking...

-experience in seminars/conferences...



Henric Adamson, Student

Commonwealth Scholar 2014

- I am looking to develop a mathematical model that can assist extrapolate the prevalence of Autism in Africa... If you know of a student looking for a topic for their Masters or Doctoral dissertation along this filed. Please send them my way. Sincerely – (Kenyan-(Dr.) USA)

- *relevant topics for research*
- *Co-supervision*
- *Transnational collaboration*
- *Mentoring & coaching*

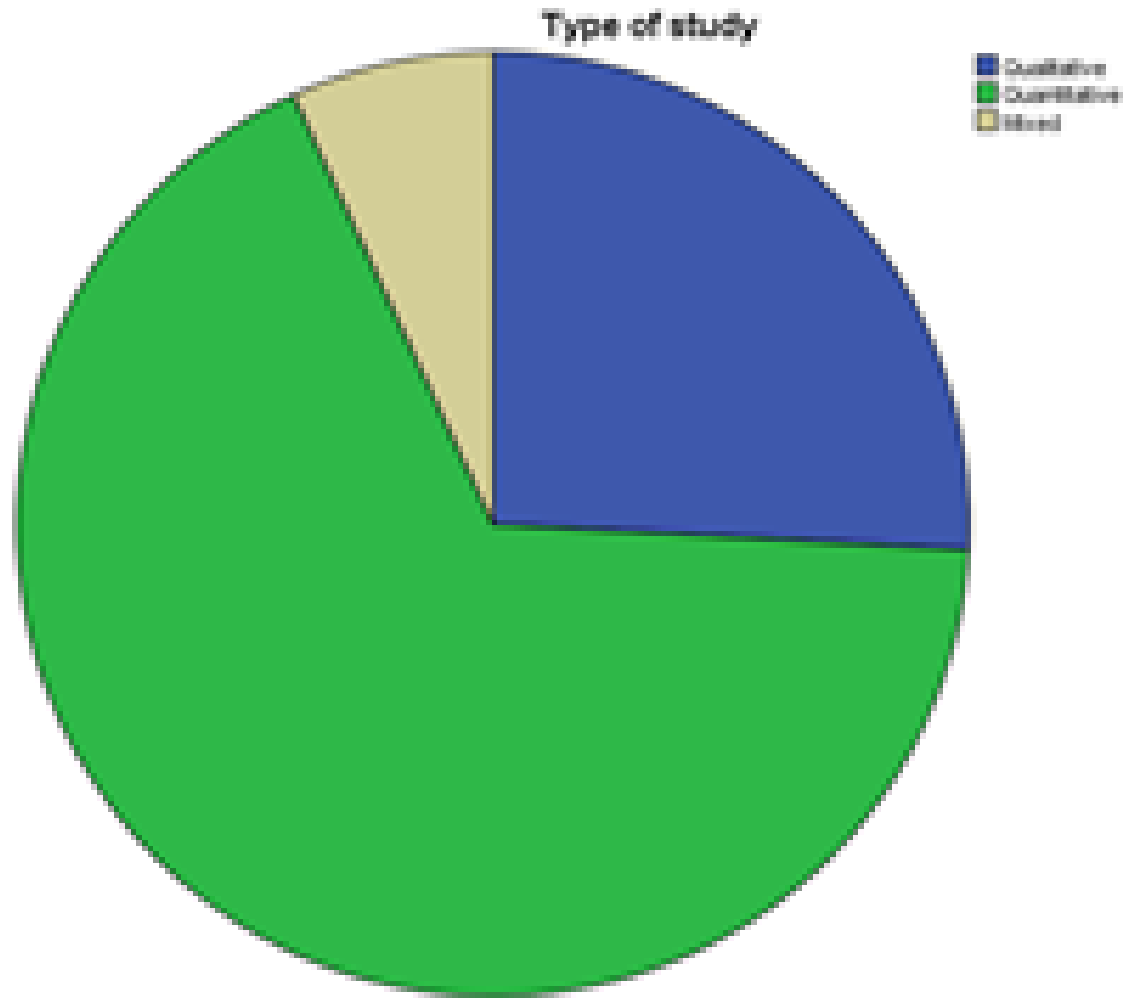


- April 29<sup>th</sup> 2017-Sheffield Hallam University Education students & Kenya postgraduate education students...
- Writing workshop.../peer guides??

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Exploit...ECQI

Qualitative research in  
Africa Where/why art  
thou?



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# Exploit: GEO -forum

Power of Technology...fear of a diaspora...

GEO-Ambassador:



- Resources
  - *Time*
  - *Skills(help with direction and production...)*
- dispositions

- In social sciences...even education, they engage mostly in statistical data analysis(Nigeria academic..);

qualitative aspect of the research is situated on the theory through which the analysis is made...

- For some reason, the quantitative approach is widely established and more preferred in Africa(Kenya academic...).

‘mentee’ drive.../coordination

*How is it panning out so far...what have been sticky if any...*

*Would you want to be part of a wider coordinated or shared ‘mentor/mentee family’*

What if..?

What if..?

What if..?



*Ahsanteni...*