

THE AFRICAN NETWORK FOR ECONOMICS OF LEARNING, INNOVATION, AND COMPETENCE BUILDING SYSTEMS

Building Research on Innovation and Development in Africa Programme

AfricaLics Research Partnership Building Workshop Report

2nd -3rd December 2013

Maputo, Mozambique.



Background

The purpose of this workshop was to bring together researchers from the innovation and development community and provide a space for creative thinking concerning new research projects or research dissemination projects in this area in Africa.

The workshop was a follow up to an initial meeting of academics studying innovation and development held in Dar es Salaam, Tanzania in December 2012 where there was agreement that research was lacking in a number of subject areas which are essential to the development of African economies and livelihoods. These subject areas include:

- 1. The role of women in Africa's innovation systems.
- 2. Work organization and competence building in formal and informal sector.
- 3. Overcoming raw material curse through new manufacturing and service activities.
- 4. National strategies to stimulate spillovers from Brazil, Russia, India, China and South Africa (BRICS) presence in Africa.
- 5. Engineering design capacity building and economic development in Africa.
- 6. Building Low-carbon Energy Innovation Systems.
- 7. Agro-industrial innovation systems and food security.
- 8. The role of financial institutions in relation to innovation and development in Africa.

The Maputo workshop was held as a means to start a programme of work that would reduce the research gaps in some, if not all, of the above subject areas. The workshop used a series of group work activities to bring out research ideas and potential activities that could be carried out by a group of researchers within and around each thematic research area.

Workshop overview

Participation at the workshop occurred through a competitive open call. A total of 74 applications were received. These were assessed by the AfricaLics Secretariat against a criteria relating to qualifications and experience; degree of fit with thematic areas and across geographical and gender lines, as well as, the attitudes and experience of group work.

The workshop was principally held over two days with a focus on group work (see full programme in Annex 1). Day 1 started in plenary with an introduction to the event detailing more information on aims and objectives of AfricaLics as well as the research and book projects proposal call due out in early 2014. There was also a presentation outlining the experiences of Latin American scholars who have made progress in developing a vibrant innovation and development learning research community connected to, and able to influence, policy and business in the region. This was provided as a source of inspiration for participants as they moved through the two intensive days of group work.

Following the plenary session, participants conducted a series of exercises in groups focusing on thematic areas from the list above on the afternoon of Day 1 and all of Day 2. A 'thematic leader' for each subject area had been identified (and who already had prior experience researching the subject area) to help ensure that group work was focused and that participants successfully achieved the desired outputs within the timeframe allocated.

By the end of Day 2, participants in each thematic group had developed a number of project ideas and opportunities were provided for everyone else (from the other thematic groups) to review project ideas and comment on them. A closing plenary session drew out cross-cutting issues between projects, possible areas of amalgamation of projects or otherwise and identified areas absent from the discussions. The main issues raised in this session and throughout the workshop more generally are outlined in Table 1.

Table 1: Issues raised relating to innovation and development in Africa research gaps

Overlapping topic areas discussed	Topic areas not discussed but should have been	Methodological and practical issues arising
A number of opportunities to look for success stories on innovation in Africa – perhaps the opportunity for a larger book project? This is also perhaps the case with the issue of scale up of successful innovation projects. Gender, financing and environment have cross cut many of the ideas being discussed Is there a similar conceptual framework being used across more than one project idea? There is a consistent lack of knowledge on who is doing what. The role and need for capacity development.	The following other 'sectors': 1. Youth 2. Health 3. Sustainability 4. Tourism 5. Conflict Intellectual property rights Application of existing knowledge/ideas (rather than new knowledge) to innovations The role of competition The role multi-national corporations play in controlling innovations	There is often an emphasis on real world problems which, while important, can obscure the importance of academic and methodological rigour in proposal development – bring out the need to think seriously about how and why a project can/should be done. Are many of the projects too ambitious and large in size? Need for innovation scholars to see themselves as part of the innovation process and not simply external to it. Think about country choices – extremes vs. similar situations

In addition workshop participants also discussed 'what worked well' during the workshop. The following issues were raised for consideration when designing future events:

- 1. The opportunity to discuss across groups and hear or see what other groups are working on was useful. It was noted that these opportunities should not be rushed.
- 2. How to bring together people from different ideas or disciplines and levels of seniority is difficult. The activities were arranged in a way to effectively break down barriers, particularly between younger and more established scholars.
- 3. Effective planning of the two days showed that it is possible to progress project development in a short period.
- 4. The two days resulted in lots of discussions but the challenge was how to keep communications going after the workshop.

Before participants left the workshop they handed in summaries of project ideas. They were tasked with taking these ideas forward through continued discussions amongst team members in readiness for the opening of the seed funding call in early 2014. The list of projects that were considered during the two days are outlined in Table 2.

Table 2: Project ideas discussed

Proposed project title	Brief overview of issue to be addressed	Contact person	
The role of women			
Women agricultural	The book will look at African women innovators in	Prof.Abukutsa Onyango	
innovators in Africa	agriculture. It will focus on a selected few country case	Jomo Kenyatta University of	
	studies from Africa.	Agriculture and Technology	
	Chapter 1 - Introduction	abukutsa.mary@gmail.com	
	Chapter 2 - Global perspective		
	Chapter 3 Africa - regional economies		
	Chapter 4 - 7 Country case studies		
	Chapter 8 Conclusion		
The role of women in the	To conduct an empirical study on the role of women in	Prof. Williams Nwagwu.	
informal agricultural sector in	the informal agricultural sector in selected African	University of Ibadan	
STI in Africa	countries. It will ask: what roles women play in science/	willieezi@yahoo.com	
	technology/ innovation along the agricultural value		
	chain? In order to establish the innovative practices		
	adopted by women in informal agricultural value chains.		
	Work Organisation		
Work organization,	Addressing the gap of knowledge in African countries	Edward Lorenz	
competence building and	about work organization and competence building in	University of Nice Sophia-	
innovation in the formal and	relation to innovation in the context of informal	Antipolis	
informal economies	economy. This study will conduct a thorough literature	Edward.Lorenz@gredeg.cnr	
	review and then do field work in the following sectors:	s.fr	
	mining, fisheries, agro-processing, tourism and forestry.		
	Overcoming the raw materials curse		
Local sourcing to overcome	Produce a review paper on oil and gas arrangements and	Abdelrasaq Na-Allah	
the raw materials curse	requirements regarding local sourcing	Federal University	
		DutsinmaKatsina State,	
		Nigeria	
		abdelrasaq@yahoo.com	
Assessment of existing and	Study focusing on South Africa-Zambia-Democratic	Simon Roberts	
developing capabilities in	Republic of Congo (DRC) grouping/cluster of inputs to	University of Johannesburg,	
mining	supply mining in Zambia and DRC vs. Ghana	South Africa.	
		sroberts@uj.ac.za	

Soft commodities value	Review of existing work on coffee in East Africa -	Abdi Yuya
addition	Ethiopia, Kenya, Tanzania, Rwanda	Adama Science and
		Technology University,
		Ethiopia
		yuyabdi@gmail.com
Lateral migration	This study will ask the following types of questions: In	Abdelrasaq Na-Allah
	what ways can the resources industry stimulate	Federal University Dutsinma
	development of engineering and machinery activities?	Katsina State, Nigeria
	What other activities are companies supplying the mines	abdelrasaq@yahoo.com
	doing? People trained and gaining experience in mining	
	moving to other activities? What is the extent of positive	
	externality/spillover effects?	
Forward linkages	This study will distinguish between two areas: (i) Where	Simon Roberts
	a natural advantage should exist because of substantial	University of Johannesburg,
	transport costs to create forward linkages and; (ii)	South Africa.
	Where no natural advantage but intervention creates	sroberts@uj.ac.za
	local industry	
Innovation to limit	Assess existing institutions responsible for implementing	Gabriel Magoma
environmental degradation	environmental policies through a case study of water	Pan African University
	treatment of mine water drainage in South Africa	Institute for STI, Kenya
		gmagoma2000@gmail.com
Avoiding the 'resource curse'	Building on the Rodrik and Macmillian paper this study	Dave Kaplan
through diversified, higher	will ask the following questions: What has happened to	University of Cape Town
productivity activities	manufacturing in African countries during the resource	David.kaplan@uct.ac.za
	boom period? Has there been structural transformation	
	of African countries during the period of resource boom?	
Marin Francis Davis	Engineering Design	Burtha and all a
Mapping Engineering Design	There is knowledge deficit on design engineering in	Prof Mammo Muchie
landscape	Africa. This study will use factual and evidence based	(NRF/DST Sachie Chair),
	studies to reduce this deficit. This will include case	South Africa
	studies and a mapping exercise to include 5 sub regions;	MuchieM@tut.ac.za
	(North, Central, West, East & South)	
How to improve Engineering	This study presupposes that most designs are foreign	Prof Mammo Muchie
Design supply to match the	and we seek to make Africa to be effective, capable and	(NRF/DST Sachie Chair),
demand in Africa	improve. This project will involve an in-depth study of	South Africa
	the following; Supply; Firms & Organizations, the who,	MuchieM@tut.ac.za
	how, quality, identify the source, problems, within	Wideline Wile Edition. 2d
	universities, technical schools, further education, firms,	
	the Diaspora, foreigners and Multinational Cooperation's	
	(MNC's). On the demand side; economic activities.	
L	1	1

Low-carbon energy			
Innovation for Energy Access in Africa: Models and Outcomes	A case studies-based project to map innovative models of new energy access. Focus on: biomass, wood fuel, Solar, wind and hydro and hybrid systems	Radhika Perrot Mapungubwe Institute (MISTRA), South Africa Radhikap@mistra.org.za	
	Agro-industrial systems		
Agricultural industrial systems: success, challenges and opportunities	The idea is to provide a scientific documentation of current and relevant research around agro-industrial innovations around the continent through a book project. This will serve as a forum to present theoretical, methodological and conceptual differences in agro-industrial innovation research in the continent. Show how these projects are enhancing socio-economic development. The project will also help publish research work which most often will otherwise end as project reports and thesis.	Samuel N. Fongwa University of the Free State, South Africa Sam4ngwa50@yahoo.com	
Agro-industrial innovation	To assess and characterize the constraints, indigenous	Theophilus Mutui	
systems to reduce post-	knowledge and role of different actors in minimizing	University of Eldoret, Kenya	
harvest losses	post – harvest losses among small scale farmers and food processors in SSA.	mutuitm@yahoo.com	

Next steps

During the final session of the workshop the following next steps were identified and outlined:

- 1. The development of a knowledge bank on the AfricaLics website to support innovation and development scholars in Africa
- 2. The development and publishing of an open call for seed funding proposals for collaborative projects such as those discussed during this workshop. The timetable for the seed funding call is as follows:

Call published: 3rd February 2014 Proposal submission deadline: 10th May 2014 Successful projects notified: 1st May 2014

Acknowledgements

The AfricaLics Secretariat would like to acknowledge the committed participation and enthusiasm of all those who participated in the workshop and the Hotel Cardoso for service provided during the workshop. The Secretariat also acknowledges Sida funding which have made the workshop and the subsequent research and book project proposal call possible.

Annex 1 – Research Partnership Building Workshop Final Programme



Building Research on Innovation and Development in Africa Programme

AfricaLics Research Workshop

2nd – 3rd December, 2013 in Maputo, Mozambique

MONDAY, 2nd DECEMBER 2013

PURPOSE OF DAY:

- 1. TO CONDUCT GAP AND CONTRIBUTION ANALYSIS IN RESEARCH THEMES
- 2. TO START IDENTIFICATION OF ISSUES CUTTING ACROSS THE RESEARCH THEMES

Time	Activity	Responsible Person/Moderator		
8:30 - 9:00	Registration	Secretariat		
9:00 – 10:00	10 Introductions and official opening Moderator: Kingiri			
	Welcome remarks & introductions and brief overview of workshop objective	Secretariat		
	Official opening : Brief speeches			
	■ Globelics and AfricaLics			
	 Government representative – Ministry of Planning, Mozambique 			
	■ SIDA	Ana Gren		
10:00 – 10:30	Plenary	BitrinaDiyamett		
	Setting the scene of research in Africa and role of AfricaLics platform			
10:30 – 11:00	Coffee Break			

11:00 – 11:30	Plenary Issues for forming a vibrant research network at Africa level: lessons from Latin America Alexandre Vera-Cruz		
11:30 – 12:00	Introduction to group work and future opportunities Secretariat		
12:00 – 13:00	Break into thematic groups	Thematic champions	
	Introduction to the theme by the thematic leader		
	Speed-dating introduction round		
	Any division into sub-groups occurs		
13:00 – 14:00	Lunch	L	
14:00 – 16:00	Breakout work in thematic groups	Thematic champions	
	Discussion leading to development of a list of issues raised in each thematic area that will be used in the World Café session		
16:00 – 16:30	Tea Break		
16:30 – 18:00	'World Café' session	Rebecca Hanlin	
	Each theme leader, including 2 cross cutting themes – finance and inclusive innovation - sits on a table		
	Everyone else will move in a structured fashion to each table and inputs into the ideas.		
	This will be followed by plenary feedback of issues discussed from each thematic leader and a wider discussion		
18:00	Cocktail followed by dinner		

TUESDAY, 3rd DECEMBER 2013

PURPOSE OF DAY:

TO DEVELOP SPECIFIC PROPOSALS FOR RESEARCH PROJECTS AND/OR RESEARCH DISSEMINATION PROJECTS

Time	Activity	Moderator/ Responsible Person
9:00 – 13:00 (including tea break at 10.30- 11.00)	Thematic working groups continue Focused discussion to develop concrete proposals/ideas for development	Thematic leaders
13:00 -14:00	Lunch	
14:00 –15:30	Peer review and feedback of project ideas Initial poster session of the research project(s) developed in each theme with feedback from others on posters using post-it notes plus then feedback in plenary	Anna Kingiri/BitrinaDiyamett
15:30 -16:00	Tea Break/Health break	
16:00 – 17:00	Closing plenary Discussion with next steps	Secretariat
17:00 – 19:00	Free time/ further project development discussions	
19:00	Dinner	

Annex 2 – Participants list

First Name	Surname	Institution Affiliation	Email	
	Theme 1: The role of women in STI			
Mary	Abukutsa Onyango	Jomo Kenyatta University Of Agriculture And Technology, Kenya	abukutsa.mary@gmail.com	
Anna	Kingiri	African Centre for Technology Studies, Kenya	a.kingiri@acts.or.ke	
Dolphine	Caroline Anyango	University of Kabianga, Kenya.	anyangodc@yahoo.com	
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Aggrey	Niringiye	Makerere university, Uganda.	aggrey1970@yahoo.com	
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		Theme 2: Work organization and competence building		
Edward	Lorenz	University of Nice Sophia-Antipolis, France	Edward.Lorenz@gredeg.cnrs.fr	
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Lawrence	Kerefu	University of Dar es Salaam, College of Engineering and Technology, Tanzania.	ljkerefu@yahoo.com	
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		Theme 3: Overcoming the raw material curse	
David	Kaplan	University of Cape Town, South Africa	David.kaplan@uct.ac.za
Abdi	Yuya	Adama Science and Technology University, Ethiopia.	yuyabdi@gmail.com
Gabriel	Magoma	Pan African University Institute for STI, Kenya	gmagoma2000@gmail.com
Abdelrasaq	Na-Allah	Federal University DutsinmaKatsina State, Nigeria.	abdelrasaq@yahoo.com
Simon	Roberts	University of Johannesburg, South Africa.	sroberts@uj.ac.za
Geoff	Banda	Open University, UK	Geoffrey.banda@open.ac.uk
	Theme	4: National strategies to stimulate spillovers from BRICS pr	esence
Alaine Desiree	LoumouBikoun	APPIA, Cameroon	d_loumou@yahoo.fr
Constantine	Manda	Twaweza, Tanzania	cmanda@twaweza.org
Joshua	Mutambi	Makerere University Kampala/ BlekingeInsitute of Technology, Sweden.	jmutambi@yahoo.com
Nima	Fallah	BETA - University of Strasbourg, France.	Nima.Fallah@gmail.com
Hailemicheal	Demisse	Tshwane University of Technology, South Africa.	hamekdes@yahoo.com
		Theme 5: Engineering Design and Innovation	
Abdelkader	Djeflat	University of Lille, France	Abdelkader.Djeflat@univ-lille1.fr
Mammo	Muchie	Tshwane University of Technology	MuchieM@tut.ac.za
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Juliana	Machuve	University of Dar-es-Salaam, Tanzania.	jullymac@udsm.ac.tz; jullymac@yahoo.com

Theme 6: Building low carbon energy systems				
Ben	Muok	African Centre for Technology Studies	b.muok@acts.or.ke	
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Diran	Soumonni	Wits University, South Africa.	Diran.Soumonni@wits.ac.za	
		Theme 7: Agro-industrial innovation systems		
Theophilus	MwendwaMutui	University of Eldoret, Kenya	mutuitm@yahoo.com	
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Bitrina	Diyamett	STIPRO, Tanzania	bitrina.diyamett@stipro.or.tz	
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		Others	
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