

AFRICALICS

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



AfricaLics PhD Academy 2018

20th September - 2nd October 2018

Hosted by

Université Cadi Ayaad, Marrakesh, Morocco

Venue : Faculté des Sciences Juridiques, Economiques et Sociales

Theme :

***Développement durable et innovation :
Entre théorie et pratique***

Hosted by:

École Supérieure de Commerce de Tunis

in collaboration with the

University of Manouba, Tunisia

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The African Network for the Economics of Learning, Innovation, and Competence Building Systems (AfricaLics) held its sixth Ph.D. Academy in Marrakech, Morocco from 20th September - 2nd October 2018. The PhD Academy occurs with the purpose of supporting the training of African Ph.D. students engaged in research in the field of innovation and development to develop through provision of state-of-the-art lectures and research training workshops. It also aims to give the students exposure to policy makers and practitioners of innovation and development to stimulate their awareness in preparation for life after study. The academy also consisted of an opportunity for researchers, students and policy makers to meet and innovation and development issues in relation to Morocco, North Africa and Africa more generally.



Participants at the 6th PhD Academy in Marrakech, Morocco on 28th September 2018

1. Background

1.1 History

The idea of conducting PhD Academies for African students studying in the field of innovation and development was conceived at the All-African seminar in Tanzania in March 2012. Further discussions between the AfricaLics Scientific Board members and the Globelics Secretariat led to a decision to take the successful format of the Globelics PhD Academies that had been running for over 10 years and adapt it for the African context. As AfricaLics has developed and the Secretariat has been strengthened, particularly in light of financial support from the Swedish International Development Agency (Sida), the AfricaLics PhD Academies have grown in size and complexity.

The first AfricaLics PhD Academy that took place in Nairobi, Kenya in December 2012 consisted of 30 students and 21 instructors using the English medium. The second AfricaLics PhD Academy took place in Algiers, Algeria in October 2013 with 19 students and 11

instructors using French medium predominately with some English translation services provided and included an open symposium. Following delays due to insecurity in Kenya as well as a lack of initial applications, the third PhD Academy was postponed from 2014 to 2015. The third PhD Academy took place in Mombasa, Kenya in March 2015 and it involved 28 students, 26 instructors using English medium and a public open symposium on innovation and development in Kenya with three additional external speakers – two by video conference – to an audience of 120 people. The fourth PhD Academy took place in Hammamet, Tunisia in March 2016 with 30 students attending. In June 2017, with 26 students, the fifth PhD Academy was held in Ile-Ife, Nigeria. Many of these often featured open symposiums that included invited external speakers and the general public in the audience for half or a full day.

The 6th AfricaLics PhD Academy in Morocco in 2018 involved 30 students and included 15 facilitators from across Africa and was held using simultaneous translation between English and French. The event also included a number of opportunities for the students to interact with policymakers and other stakeholders through panel sessions and lectures.

The PhD Academies are just one of many initiatives conducted by the Secretariat for AfricaLics and the AfricaLics network as a whole to build up regional research capacity in the field of innovation and growth studies. These are part of a larger research capacity building programme funded by Sida which includes provision of research funding support, the development of new curricula and teaching programmes in the subject area as well as networking and dissemination activities for researchers in the region through events and workshops.

The main objective of AfricaLics is to promote the development of research capacity in Africa with strong links to users – including policy makers and private sector – through research training and research project organized support. One long-term aim is to enable Africa to become more self-reliant in studying, monitoring and evaluating its innovation activities and systems for the betterment of society. AfricaLics' work is intended to supplement other players' study and capacity-building efforts in innovation studies in both the academic and policy arenas.

1.2 Location of the Sixth AfricaLics PhD Academy

The Sixth AfricaLics PhD Academy was held at Université Cadi Ayaad, Marrakesh, Morocco. The academy was hosted by the Faculty of Legal, Economic and Social Studies at the Université Cadi Ayaad. The Faculty has a range of master's and PhD programmes across a range of subjects. It is a highly research-active faculty with AfricaLics-appropriate research, such as work on university-industry linkages, strategies for regional growth, and firm innovation and productivity.

2. Highlights of the Academy

In September-October 2018, at Université Cadi Ayaad, Marrakech, Morocco, the sixth AfricaLics PhD Academy was held over a two-week duration. The programme of activities included sessions focusing on the philosophy of innovation and development, research methodology, policy and effect, and the project aspect. It also included a very popular open symposium that attracted more than 400 participants.

The students were chosen by the members of the AfricaLics Scientific Board and Secretariat through an open call for applications and a review of applications. All the activities were held at the Legal, Economic and Social Studies Faculty. The highlights of these events are outlined below.

2.1 Call for Applications and Review process

A call for applications to the AfricaLics PhD Academy was advertised in April and May 2018 (see Appendix 1 for copy of the call for papers). A total of 79 applications (59 English language applications and 20 French language applications) were submitted. These were reviewed by a scientific review committee made up of members of the local organizing committee in Morocco, the AfricaLics Secretariat and Scientific Board. Each extended abstract was reviewed by two members of the committee and selected based on the scores received using the following criteria: relevance in terms of topic and content as well as quality, regional distribution and gender consideration.

A total of 28 students were selected following a review of all extended abstracts received. Due to the difficulty of getting visas to Morocco for some students and other commitments only 19 out of the originally selected 30 students from outside Morocco were able to attend. They were joined by 11 students from Morocco's host university.

The final 30 students were from 11 countries: Algeria, Cameroon, Cote D'Ivoire, Ethiopia, Kenya, Morocco, Nigeria, Senegal, Tunisia, Uganda and Zimbabwe. The majority of the students were in their second and third years of PhD study at the time of the Academy. Appendix 3 provides a list of the students who participated.

2.2. Inaugural conference

A pre-conference event was held on 19th September and was open to general public. This event acted as a sensitization event to university staff and students as well as regional policy makers. This was attended by a few of the PhD Academy students who had already arrived but was mostly attended by local stakeholders.



Figure 1: Pre-Academy event, Opening Session, 19th September 2018

'Sustainable Development and Innovation: Practice and Theory' was the title of the event, attended by around 30 participants and illustrated the work of local academics in this area. The event also highlighted the good relationship between the university and local decision makers from the municipal government and organizations of local industry who interacted well in asking many questions in the case.

A copy of the programme is provided in Appendix 1.

2.3. The Training Programme

The two-week training programme was split into a number of sessions. These included:

1. Theory sessions – providing students with the latest thinking of key issues. This year's academy included a series of forward looking sessions including an opening roundtable discussion to get students thinking more broadly about the relationship between innovation and development and how this related to the future of Africa.
2. Methods sessions – providing students with training on key research methods needed to study this multidisciplinary area. This year we introduced a dedicated 2-day training on big data and the use of R and python given by experts in the field from Denmark. This was in addition to smaller presentations and Q&A sessions on other methodological approaches.



Figure 2: Prof. Muchie presenting at 6th PhD Academy

3. Student paper presentations –these are the core part of the academy and provide students the opportunity to receive feedback from colleagues and facilitators. Many of the students took the opportunity to work with facilitators outside of the formal sessions to get in-depth feedback on papers.
4. Project work – building on the success of these sessions in previous academies, the students were able to visit a Green Energy Park and a private university and were asked to then work in groups to identify a research project and develop a proposed research project and policy brief for these problems. The students presented their work, and a 'best project' award was given.

In addition, a number of more policy oriented open sessions (see below) and mentorship sessions were held relating to key skills such as how to write journal papers and how to survive the PhD process were held.

A simultaneous translation to assist the discussions between French and English-speaking participants was used. The detail of these sessions is outlined in Appendix 2. Instructors or facilitators were matched with each session and details of these individuals are provided in Appendix 3.

The Academy was not all work through, and the students enjoyed visits to several of Marrakech's various landmarks.

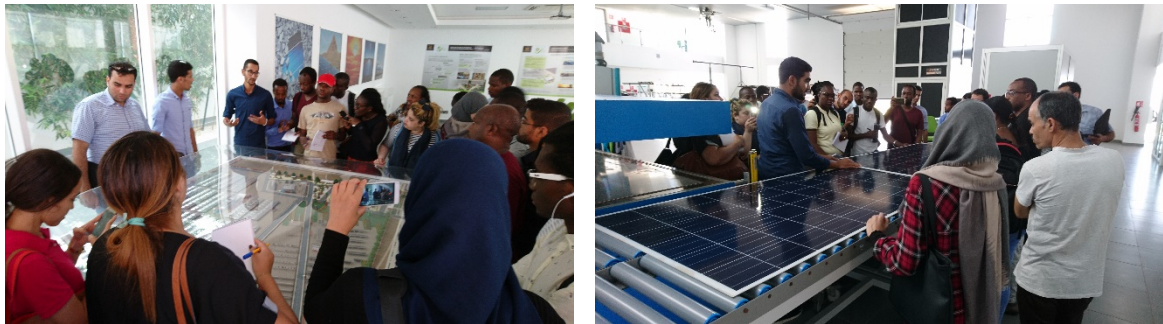


Figure 3: Students visiting Iresen's Green Energy Park solar testing facility



Figure 4: Discussions during the sessions and group work awards.

2.4 Open Symposium

On 27th September 2018 as part of the Academy, a special open symposium was held on the subject of national systems of innovation in the North African context. The speakers at the round table were:

- Prof. Abdelkader Djeflat (Université de Lille 1, France)
- Prof. Hatem Mhenni (Université Manouba, Tunisie)
- Dr. Youcef Mebbani (Université Mosaganem, Algérie)
- Pr. Essaid Tarbalouti (Université Cadi Ayyad, FSJES, Marrakech)
- Dr. Mohamed Racid El Yacoubi, (Président du conseil national de l'organisation professionnelle des comptables agréés)

The event was predominately attended by university students. The lecture theatre held 200 people and was full to capacity including many standings. The event was attended by local media and clips from the event aired on local television and radio that evening.



Figure 5: Various photos from the open symposium

3. The evaluation survey

3.1 Background

An anonymous survey was conducted among students on the final day of the sixth AfricaLics PhD Academy to gather input and ideas for future events. Overall response rate was 73%.

3.2. Structure of the survey

The survey was structured in three parts. The survey consisted of the following sections:

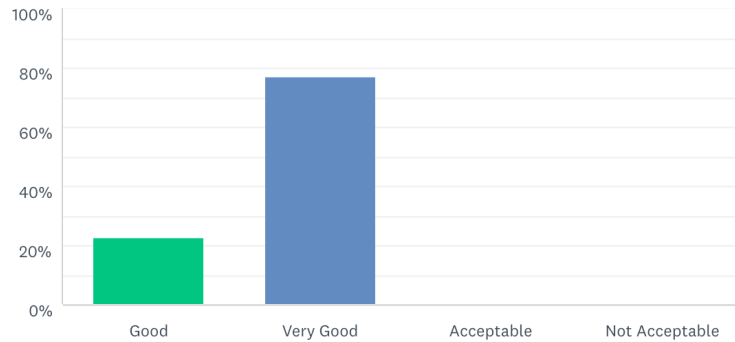
- Overall evaluation of the course and program.
- Coverage of particular thematic and methodic aspects.
- Open comments.
- Usefulness of particular program aspects.
- Assessment of potential change of time and attention distribution between different program parts.
- Assessment of support related with other program modifications.
- General individual information concerning study conditions, progress and professional aspirations.

3.3. Results of the evaluation survey

As shown in the results below, overall, participants were satisfied with the course and overall programme structure. The overall contents of the lectures received positive evaluation by the PhD students. The majority of students agreed that overall innovation theories and research methodology received enough attention.

General organisation of the PhD Academy?

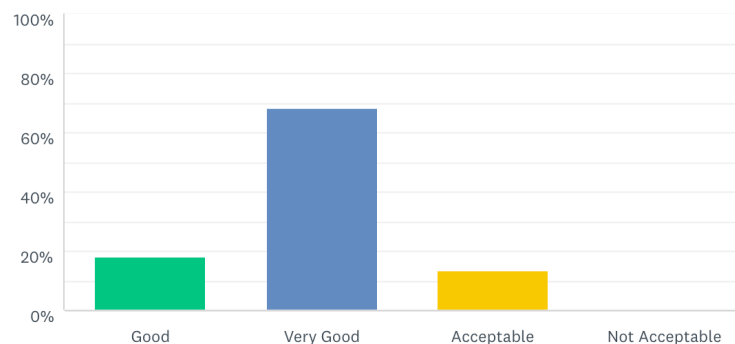
Answered: 22 Skipped: 0



ANSWER CHOICES	RESPONSES
Good	22.73% 5
Very Good	77.27% 17
Acceptable	0.00% 0
Not Acceptable	0.00% 0
Total Respondents: 22	

Overall structure of the PhD Academy programme?

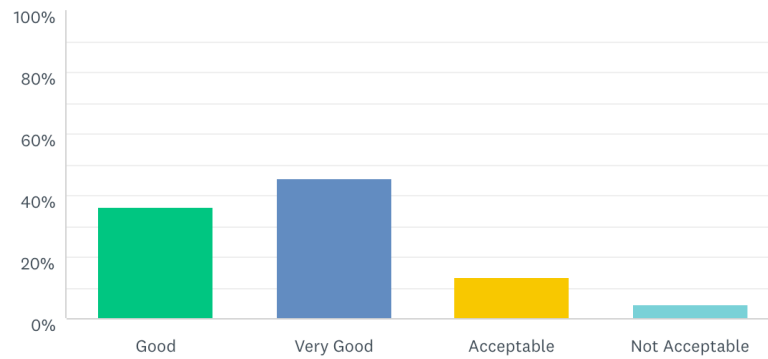
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ANSWER CHOICES	RESPONSES
Good	18.18% 4
Very Good	68.18% 15
Acceptable	13.64% 3
Not Acceptable	0.00% 0
Total Respondents: 22	

Time allocated to paper presentations and discussions?

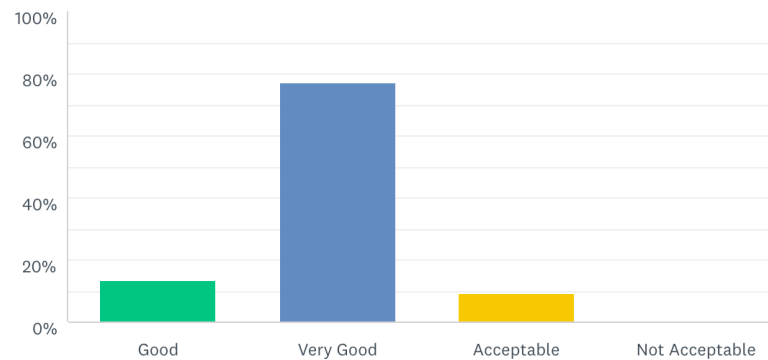
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ANSWER CHOICES	RESPONSES
▼ Good	36.36% 8
▼ Very Good	45.45% 10
▼ Acceptable	13.64% 3
▼ Not Acceptable	4.55% 1
Total Respondents: 22	

The relevance of the PhD Academy theme chosen?

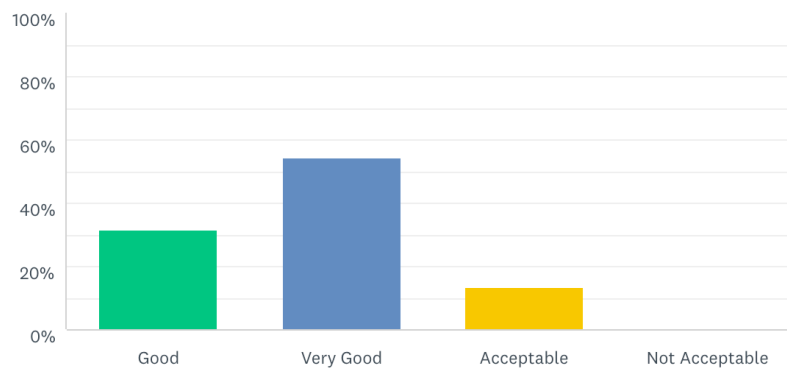
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ANSWER CHOICES	RESPONSES
▼ Good	13.64% 3
▼ Very Good	77.27% 17
▼ Acceptable	9.09% 2
▼ Not Acceptable	0.00% 0
Total Respondents: 22	

Approaches used to enhance interaction among PhD Academy participants?

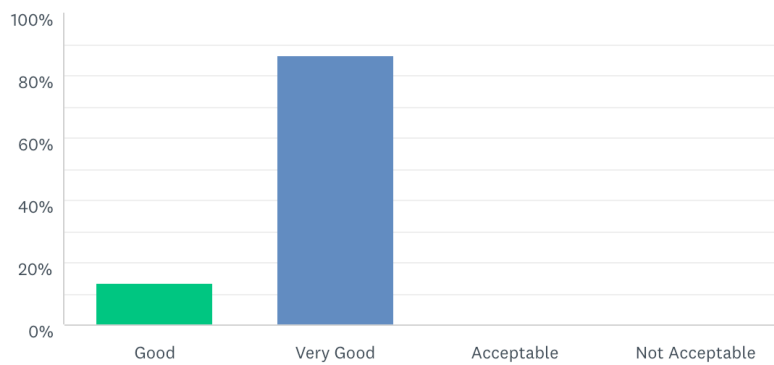
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ANSWER CHOICES	RESPONSES
▼ Good	31.82% 7
▼ Very Good	54.55% 12
▼ Acceptable	13.64% 3
▼ Not Acceptable	0.00% 0
Total Respondents: 22	

Overall usefulness of the PhD Academy?

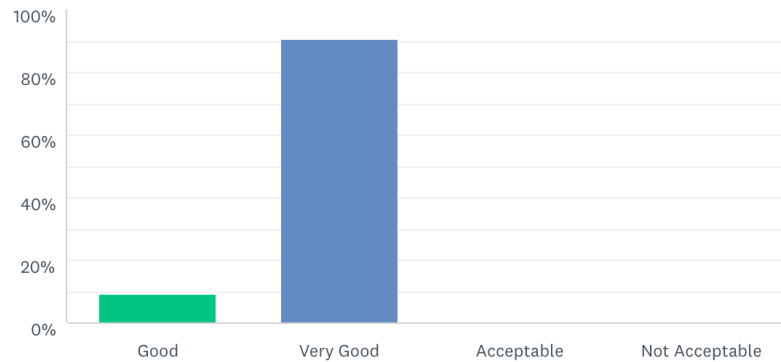
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ANSWER CHOICES	RESPONSES
▼ Good	13.64% 3
▼ Very Good	86.36% 19
▼ Acceptable	0.00% 0
▼ Not Acceptable	0.00% 0
Total Respondents: 22	

Accommodation, food and PhD Academy facilities?

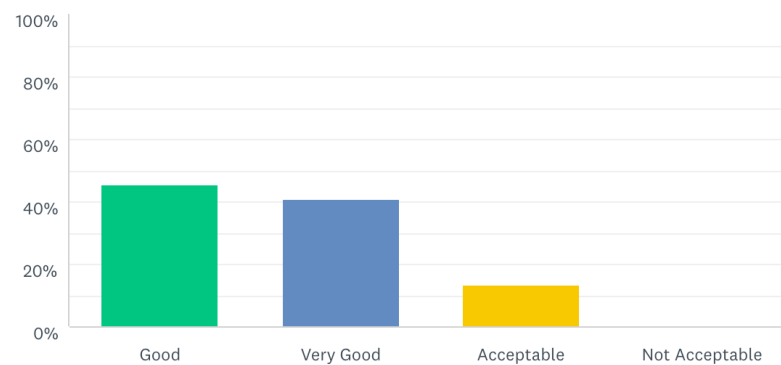
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ANSWER CHOICES	RESPONSES
▼ Good	9.09% 2
▼ Very Good	90.91% 20
▼ Acceptable	0.00% 0
▼ Not Acceptable	0.00% 0
Total Respondents: 22	

The social activities?

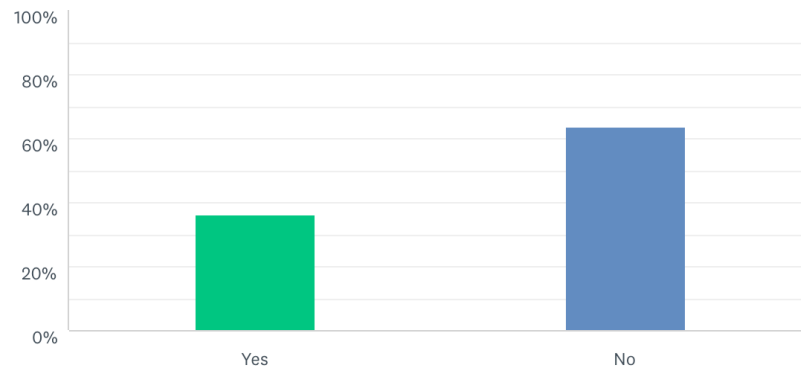
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ANSWER CHOICES	RESPONSES
▼ Good	45.45% 10
▼ Very Good	40.91% 9
▼ Acceptable	13.64% 3
▼ Not Acceptable	0.00% 0
Total Respondents: 22	

Have you ever attended any other AfricaLics organised event before?

Answered: 22 Skipped: 0



ANSWER CHOICES	RESPONSES
Yes	36.36% 8
No	63.64% 14
TOTAL	22

Any other comments that may improve the organisation of future AfricaLics PhD Academies?

- More focus on the methods parts and software application.
- Communication on last day of the academy was not clear which led to confusion while booking flights.
- The organising of the PhD academy was very good with Dr. Rebecca, I have just one request about the time of presentation, which was very short, thus I suggest giving more time to the students for presenting/discussing their topics.
- Follow up the papers presented during the academy.
- Have more specialists in different fields.
- More interaction with the PhD students should be good.
- More be done in the area of research methodology and data analysis. Otherwise, I learnt a lot.
- Continue on this path everything was very good thank you very much.
- I recommend at the academy to give at least one article to each doctoral student to make the criticisms, suggestions, and recommendations, in addition to the comments of Prof.

4. The organising team

4.1 AfricaLics Secretariat team

1. Dr. Ann Kingiri - African Centre for Technology Studies (ACTS), Kenya	2. Dr. Rebecca Hanlin African Centre for Technology Studies (ACTS), Kenya
3. Dr. Margrethe Holm Andersen Aalborg University, Denmark	4. Dr. Aschalew Tigabu, African Centre for Technology Studies (ACTS), Kenya
5. Mourine Cheryot, African Centre for Technology Studies (ACTS), Kenya	6. Moses Owidhi, African Centre for Technology Studies (ACTS), Kenya

4.2 Local organizing team

1. Prof. Hatem M'henni, Professor of Economics, ESCT	2. Abderazak Ouali, PhD Student, ESCT
3. Brahim Bouayad, Director, GREER	

5. Funding and budget

The academy benefited from two main sources of funding: AfricaLics Secretariat at ACTS through the Sida grant and the host institution, Université Cadi Ayaad, Marrakesh, Morocco

The final monetary account for the event utilizing AfricaLics funding from Sida is outlined below.

Item	Total Cost US\$
Travel – students (reimbursed tickets)	16,945.00
Travel – facilitators (reimbursed tickets)	2,496.00
Accommodation, translation and other costs	24,097.00
TOTAL	43,538.00

In addition to this, the local organisers provided the contributions as follows:

1. Transport for students and facilitators to and from the venue
2. Support staff for the conference facilities (to assist with video conferencing and other audio-visual equipment)
3. Costs relating to field trips and the formal academy dinner.

In addition, the success of the 6th PhD Academy would not have been possible without the support and dedication of a number of individuals and organisations, namely:

1. HR Connect Translation Services of Marrakech
2. The staff of the Université Cadi Ayaad club who provided lunches and refreshments and support staff at the University for all cleaning and maintenance services.
3. The staff of the Wazo Hotel, Marrakech
4. All facilitators and their employers who provided their time without additional remuneration.

6. Lessons learnt

Being the sixth PhD Academy held by AfricaLics, we took stock after this event and conducted a formal debrief with organisers. The following points were discussed:

- Masters students – Including a number of Masters students in an Academy is a good way of sensitising the initial pipeline of candidates for PhDs in this area. This was identified by the fact that a roundtable discussion was held at the university one morning to an audience of over 400 Masters students (over 700 wanted to attend but the lecture hall was too small!). Two Masters students provided admin assistance during the academy and both are now wanting to pursue a PhD in the field of innovation studies.
- Length and content – The Academy was held from mid-week to mid-week over two weeks. This was the first time this format was utilised and it was not as successful (due to needing students to work on a Saturday) as usual. In addition, students really flagged in the second week. The inclusion of project work in the second week kept students engaged. This was the first time we held a dedicated 3 day ‘data analytics’ workshop as part of the Academy. This was extremely well received but was highly intense and some students were essentially lost throughout, required good internet connectivity (which the venue didn’t have – requiring a work-around solution involving mobile phones and data bundles which was far from ideal) and did not have enough practical time vs. lecture time. The general consensus of facilitators and students was that the format needed changing moving forward but that the activity was extremely useful in getting students to think differently about their data.

This academy was heavily futures oriented. For example, the opening session was on ‘The future of innovation and development in Africa’. This provided students with a way of engaging with the key issues from within the field of study and gave them a way of seeing the value of their research to the field of student. However, we did not start as a result with the usual ‘Innovation and development studies 101’ history and theory lectures and this was a mistake. An assumption was made that students knew the literature because many of them – for the first time – during their application had referenced relevant literature. However, in reality the students did not have an understanding of the field.

- Language – we offered simultaneous translation at this academy (as we did in Tunisia in 2016) because of the high number of French speakers that attended (because the academy was held in a French speaking country). The translators struggled due to the

specifics of our field (the scientific terms that were unknown to them). Generally, however the language barrier did not stop interaction between students and the students asked to do group work in teams made up of both English and French speakers. That said, this did mean an additional set of skills were needed during group work (translation and mediating of translation) that took away time from the exercise itself. The French speakers all wanted to practice their English, recognising that they both (a) had to read, and reference works written in English and (b) would need to publish in journals published in English if they were to succeed as an academic. This raises the debate again about whether to only conduct academies in English with students who have a certain standard of spoken (and written) English. However, as this Academy showed, such a move would seriously reduce the level of participation by French speaking students (out of the 21 students who attended, nine were French speaking and only four could easily converse in English).

- Visas and travel support – We lost the participation of 10 students in the last weeks leading up to the academy due to problems getting visas (2 students) and the lack of travel support (8 students). We had at least five students who did attend but only could do so because they had found the funds to travel significant distances (including 2 from low-income countries who had to travel to neighbouring countries) to get their visas and incurred significant un-reimbursable costs in doing so. We currently do not measure this level of in-kind contribution from students to AfricaLics (only from facilitators). This appears to be a mistake as all students sacrifice their own time and contribute funds to enable them to attend our events.
- Logistics – The academies are a significant cost for the host organisation, and this reduces the number of universities willing to host this event. However, we have always focused on working with host universities in order to maximise outreach of AfricaLics activities. On the other hand, the location of the academy is extremely important in terms of ensuring ease of organisation and maximum utility for those attending. This year's academy was not the easiest location for students to get to – many had to go through Europe which was both expensive on flights and created visa issues; several had to transfer through Casablanca and either take a 5.5-hour train journey or a similar length of connection by plane (with waiting time included). Furthermore, this academy was very difficult to organise due to the language barrier and the university staff leaving all decisions to the last few weeks.
There is a trade-off which we haven't gotten right yet between ease of organisation and expanding reach. This requires more thought and consideration in the run up to the next academy in 2020.

Appendices

Appendix 1: Call for applications

AfricaLics is part of the worldwide research network, The Global Network for the Economics of Learning, Innovation, and Competence Building Systems (GlobeLics). The purpose of the 6th AfricaLics Ph.D. Academy is to support the training of African Doctoral students engaged in research in the academic field of 'innovation and development'. This is a multidisciplinary field which includes researchers from a range of disciplines often studying innovation studies, the economics of innovation, innovation management, technology management, science and technology studies. Students and faculty working in the field of innovation and development and principally interested in how innovation relates to economic and social development in Africa are the main target group for the PhD Academy, but the Academy also aims to stimulate awareness of policy and management issues related to this burgeoning field of research. The Academy will host around 20-25 students from Africa and a handful of students from the rest of the world. The Academy will invite frontier researchers in the field of innovation and development from around the world to provide lectures and mentor students. The AfricaLics Ph.D. Academy sessions will include the following activities:

- Lectures by senior researchers on areas ranging from research methodologies to the latest theories and empirical research in the fields of innovation, innovation management and science policy.
 - Presentations by Doctoral students of their work with feedback from the senior scholars facilitating at the event.
 - Sessions focused on enabling interaction between the students and practitioners and policy makers on innovation and development issues
- Participants and qualification requirements the number of candidates will be a maximum of 30. To qualify for participation, the applicant should fulfil the following requirements:
- be at least in the beginning of his/her second year at the time of the academy
 - work explicitly on issues related to policy-oriented analysis of science, technology and innovation
 - be able to present an original paper reflecting his/her research and/or thesis work to improve diversity in the emerging academic community on innovation and development studies research in Africa, we encourage female scholars and those from low-income countries to apply.

Submission

Participants must submit an extended abstract of not more than 5 pages. Abstracts should be typed double-spaced in French or in English with font size 12. The abstract should state the objectives, methodology, expected results and conclusions of the student's PhD, including supporting figures and main references. The abstract must be submitted together with the applicant's CV and a recommendation letter from the principal Ph.D. supervisor or a senior scholar who knows the applicant's work. These three documents should be sent to the AfricaLics Secretariat (phdacademy@africalics.org) on or before 15th May 2018. Documents

can be submitted in English or French. Please note however that the main language of the Academies is English and simultaneous translation is not always available.

Selection

All extended abstracts will be reviewed by at least two senior scholars from a review panel made up of members of the AfricaLics Scientific Board, AfricaLics Secretariat and the host University. Selection will be made based on academic quality of papers as well as on the basis of criteria aimed at promoting diversity (by location, gender etc.). Selection criteria for AfricaLics events are published on the AfricaLics website: <http://www.africalics.org/selection-criteria/> Successful applicants will be notified by 30th June, 2018 of their acceptance to the Academy.

Sponsorship, travel support and accommodation expenses including meals will be covered and paid for by AfricaLics for all selected participants for the two weeks of the Academy. This started the night before the Academy (19th September 2018) and finish the afternoon of the closing ceremony (2nd October 2018). Participants wishing to stay on before 19th September 2018 or from 3rd October 2018 onwards, will be responsible for all their own costs in country during these periods. Local transfers Airport transfers will be provided from CASABLANCA Mohammed V (CMN) international airport to the Academy location on 19th September 2018 and back to the Casablanca airport on 3rd October 2018. If you leave on a different day, local transfers provided (and paid for) by the organisers are not guaranteed.

Travel support

We encourage applicants to apply to their host institution or projects for travel support. That said, AfricaLics does have a small amount of funding to pay for a return economy class airfare for participants unable to secure funding from their institutions. NOTE: this is not guaranteed to all participants and it is not always possible for AfricaLics to grant the full amount requested. To qualify for travel support for the Academy you must:

1. Have had your paper accepted
2. Be a national of a low or low-middle income classified country and be studying in a low or low middle income classified country
3. Be able to provide a signed and stamped letter from your home institution confirming that there are no funding schemes available for you at your university.

To apply for travel support, you must submit a completed travel support form and the letter from your institution with your application. The application form and full terms and conditions of travel support available from the AfricaLics Secretariat is available at <http://www.africalics.org/travel-support/> .

NOTE: if you are successful in your travel support application but miss your flight, have to change your flight or are unable to fly due to visa issues you will NOT be able to be reimbursed for your ticket or any cost to change or cancel the ticket. Only those who have successfully been awarded travel support (have written confirmation) and who attend the Academy in full will receive their air ticket reimbursed to the exact cost of their ticket, or the limit informed

in advance by the Secretariat (whichever is lessor). Please email secretariat@africalics.org if you have any queries with regards to travel support. Visas, travel insurance, other related costs.

The AfricaLics Secretariat and local host university are unable to provide any additional support for other associated costs to attend the Academy. Selected students will therefore be responsible for getting any visas required for travel to Morocco (including transit visas). This includes the cost of the visa itself or any associated travel or postage costs associated with getting the visa(s). Students are also responsible for the organisation of, and the costs associated with, getting themselves to their nearest international airport i.e., ground transportation in their home country. Similarly, AfricaLics will not cover the costs related to travel insurance, yellow fever vaccinations etc.

Final paper upload and confirmation of attendance

Selected participants will be expected to have confirmed their attendance (including travel arranged and paid for and any visas and travel insurance in place) by 20th August 2018. All selected participants who confirm attendance will also be expected to upload a final FULL paper (details of this will be given in your acceptance letter) by 20th August 2018.

Organisation and support

The 6th AfricaLics Ph.D. Academy is jointly organized by the Université Cadi Ayyad Marrakech with support from the AfricaLics Secretariat hosted at the African Centre for Technology Studies (ACTS), Kenya. The event is supported financially by the Université Cadi Ayyad, the AfricaLics network and Sida (Swedish International Development Cooperation Agency) through Sida Research. The local organising committee was led by Prof. Essaid Tarbalouti, Professeur Habilité à diriger les recherches à la Faculté des Sciences Juridiques, Economiques et Sociales, Université Cadi Ayyad - Marrakech.

Contacts for any queries or questions about the academy: phd-academy@africalics.org

For general queries about Université Cadi Ayyad: tarbalouti9@yahoo.fr

For general queries about AfricaLics: secretariat@africalics.org

Appendix 2: Event Programmes

Pre-Academy Colloquium 'Sustainable Development and Innovation: Theory and Practice' held on 19th September:

PROGRAMME

Mercredi 19 Septembre 2018	
LIEU : Siege de la Faculté des Sciences Juridiques, Economiques et Sociales - Marrakech	
8h30	Accueil et inscription des participants
9h00 – 10h00	<p>Séance d'ouverture</p> <ul style="list-style-type: none"> • M. Le Doyen de la Faculté des Sciences Juridiques Economiques et Sociales • M. Le Chef de département de Sciences Economiques • M. Le Directeur du laboratoire de recherche « GREER » • Mme. La représentante d'AfricaLics • M. Le professeur président de comité d'organisation du colloque
10h00 à 10h 30	Pause café
10h30 – 12h30	<p>Atelier I : L'innovation outil de développement !</p> <ul style="list-style-type: none"> • Modérateur : ZIKY MUSTAPHA • IDRIS ASSI (Université Cadi Ayyad, FSJES, Marrakech) : « Gouvernance et développement quel lien ? ». • Rebecca Hanlin (ACTS/AfricaLics) : « Senior Research Fellow and Innovation and Development Specialist for Africalics » • TARBALOUTI E., Hamdaoui M. & OUALI A., (Université Cadi Ayyad, FSJES, Marrakech) : « Création destructrice et développement durable »
12H30 – 14h00	Déjeuner
14h30 – 16h00	<p>Atelier II : Innovation et développement durable</p> <ul style="list-style-type: none"> • Modérateur : KCHIRID MUSTAPHA • MISKANE MOSTAFA (Institut de recherche en intelligence collective) : « le management de l'intelligence collective comme outil d'innovation au sein de l'entreprise » • MESSAOUDI Abderrahim & BOUKIL Aouatif, (Université Cadi Ayyad, FSJES, Marrakech) : « L'innovation dans le cadre de l'entrepreneuriat social ; cas de la fondation ENACTUS.» • ESSARDI OMAR & RAZZOUK REDOUANE, (Université Cadi Ayyad, FSJES, Marrakech) : « Capital humain et émissions de dioxyde de carbone (CO2) : cas des pays de l'Afrique du Nord et des pays d'Afrique de l'Ouest (CEDAO) ».
16h00 à 16h 30	Pause café
16h30 – 17h30	<p>Atelier III : Innovation et développement économique : le constat dans les pays d'Afrique</p> <ul style="list-style-type: none"> • Modérateur : ESSARDI OMAR • EL YOUSOUFI LAHCEN & BRAHIM BOUAYAD, (Université Cadi Ayyad, FSJES, Marrakech) : « Le défi énergétique posé au modèle de développement basé sur l'option de l'économie verte : cas du Maroc ». • JIHANE MOUKEN, (Université Mohamed V, Faculté des sciences de l'éducation, Rabat) : « Evaluation de la maturité d'un modèle pédagogique innovant -P-TECH- ».
17h30 – 18h00	Cérémonie de clôture

Academy programme

Wednesday 19th September 2018

Arrival of foreign students

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International Colloquium for invited guests

Organised by Le laboratoire de recherche en économie de l'énergie, environnement et ressources « GREER » de la faculté des sciences juridiques, économiques et sociales de Marrakech (Maroc)

Thursday 20th September 2018

[To be held at the Faculty of Law, Economics and Social Sciences]

07:45	Bus leaves the Wazo Hotel
08:00	Registration
08:30	Opening Ceremony
10:00	Tea break
10:30	<p>The Future of Innovation and Development <i>[Open to all]</i></p> <p><i>Roundtable discussion with speakers:</i></p> <ul style="list-style-type: none"> ○ Dr. Geci Karuri-Sebina – taking a futures perspective to innovation ○ Dr. Ann Kingiri – the future of African fintech ○ Dr. Diran Soumanni – emerging technologies and inclusive innovation <p><i>Followed by Q&A</i></p>
12:30	<p>Lunch</p> <p><i>[Closed sessions – for invited Academy Participants only – starts after lunch]</i></p>
14:00	<p>Introduction to the Academy</p> <p>[Facilitated by Prof. Essaid and Dr. Becky Hanlin]</p>
15:30	Tea break
16:00	<p>Student Paper Session 1</p> <p><i>Papers by:</i></p> <ul style="list-style-type: none"> ○ Yannick Djoumessi, Dschang School of Economics and Management Institution Title: Innovations and Agricultural Productivity Growth in Sub-Saharan Africa ○ Matilda Auma Ouma, Jaramogi Oginga Odinga University of Science and Technology, Kenya. Title: Assessing the Uptake of System of Rice Intensification Practices Through an Innovation Platform in Oluch Irrigation Scheme, Rangwe Sub-County, Kenya. ○ McLarence Mandaza, Pan African University

	<p>Title: The nexus of resilient adaptation, smallholder farmer innovations and governance of climate change in Zimbabwe.</p> <p><i>Feedback from:</i></p> <ul style="list-style-type: none"> ○ Dr. Geci Karuri-Sebina ○ Other student presenters
17:30	Close for the day

Friday 21st September 2018

[To be held at the University Annex building]

08:00	<p>Student Paper Session 2</p> <p>Papers by:</p> <ul style="list-style-type: none"> ○ Wanjiku Thuita, Riara University, Kenya. Title: Effect of Investment Incentives on Financial Performance of Manufacturing Firms in Export Processing Zones In Machakos County, Kenya ○ Faith Ahabyoona Mugisha, Mbarara University of Science and Technology, Uganda. Title: A Decision Enhancement Approach: Linking Credit Facilitation and Financial Performance in Agricultural Cooperatives of Uganda <p><i>Feedback from:</i></p> <ul style="list-style-type: none"> ○ Dr. Diran Soumanni ○ Other student presenters
10:00	Tea break
10:30	<p>Policy Session 1</p> <p><i>45-minute lectures by:</i></p> <ul style="list-style-type: none"> ○ Dr. Geci Karuri Sebina <u>Working title:</u> Cities, STI and policy analysis ○ Dr. Ann Kingiri <u>Working title:</u> Influencing policy makers – experiences and suggestions <p><i>Followed by Q&A</i></p>
12:30	Lunch
14:00	<p>Student Paper Session 3</p> <p>Papers by:</p> <ul style="list-style-type: none"> ○ Moges Tufa, Addis Ababa University, Ethiopia Title: Towards Identifying Optimal Mix of Public-Private Partnership for Technology Capacity Building and Industrialization Policy Dynamics in Ethiopia: Game-Theory Approach on a University Collaboration <p><i>Feedback from:</i></p>

	<ul style="list-style-type: none"> ○ Prof. David Kaplan ○ Students
14:45	Student advice session [A session where facilitators provide feedback and advice to issues faced by students]
16:00	Tea break
16:30	Close for the day

Saturday 22nd September 2018

08:00	<p>Student Paper Session 5</p> <p>Papers by:</p> <ul style="list-style-type: none"> ○ Rebecca Karaya, Egerton University, Kenya Title: Assessing the Role of Social Learning in Linking Knowledge and Practice in the Rehabilitation of Degraded Drylands in Njemps Flats, Baringo County, Kenya. ○ Hassyna Dakhane, University of M'sila, Algeria. Title: Using the Blue Ocean strategy To Improving Service Quality in Operator of Mobile Phone (Djezzy, Mobilis, Ooredoo) in M'sila- Algeria. ○ Olabanji B. Awodumi, University of Ibadan, Nigeria Title: The Role of Environmental Efficiency in Bilateral Trade: Evidence from Nigeria <p><i>Feedback from:</i></p> <ul style="list-style-type: none"> ○ Dr. Rebecca Hanlin ○ Other student presenters
10:00	Tea break
10:30	<p>Theory 1</p> <p><i>45-minute lectures by:</i></p> <ul style="list-style-type: none"> ○ Dr. Diran Soumanni <u>Working title:</u> Innovation management ○ Dr. David Kaplan <u>Working title:</u> Policy to support start-ups with reference to Africa <p><i>Followed by Q&A</i></p>
12:30	Lunch
14:00	<p>Theory 2</p> <p><i>45-minute lecture by:</i></p> <ul style="list-style-type: none"> ○ Prof. Kchirid <u>Working title:</u> Issues of inclusive growth

	<i>Followed by Q&A</i>
15:30	Tea break
16:00	<p>Student Paper Session 6</p> <p><i>Papers by:</i></p> <ul style="list-style-type: none"> ○ Temesgen Getachew, Addis Ababa University, Ethiopia. Title: Significance of non-R&D Innovation Capability for Sustainable Competitiveness of Light Manufacturing. ○ Alphonse Kossiga Ndiaye, University Gaston Berger, Cameroon. Title: Effects of absorptive capacity on the development of innovation in the context of an NIS in developing countries: an emerging perspective. <p><i>Feedback from:</i></p> <ul style="list-style-type: none"> ○ Prof. Tarbalouti ○ Other student presenters
17:30	Close for the day

Sunday 23rd September 2018

Free Day

Monday 24th September 2018

08:00	<p>Student paper session 7</p> <p><i>Papers by:</i></p> <ul style="list-style-type: none"> ○ Adeosun Oluyemi Theophilus, University of Lagos, Nigeria. Title: Entrepreneurship Development in Sub-Saharan Africa: Evidence from GEM data ○ Babalola Ifedolapo Helen, Federal University of Technology Akure, Nigeria. Title: Assessment of Human Resource Management and Just-In- Time Practices on The Performance of Building Construction Firms in South-Western Nigeria. ○ Claude Ndaki Mboulet, Saint Monica University, Cameroon. Title: The determinants of Small and Medium Enterprises (SMEs) Innovation Strategies in Cameroon Pharmaceutical System. <p><i>Feedback from:</i></p> <ul style="list-style-type: none"> ○ Dr. Roman Jurowetzki ○ Other student presenters
10:00	Tea break
10:30	<p>Methods workshop</p> <p>[Facilitated by Dr. Roman Jurowetzki and Dr. Daniel Hain]</p>
12:30	Lunch

14:00	Methods workshop (continued)
15:30	Tea break
16:00	Methods homework
17:30	Close for the day

Tuesday 25th September 2018

08:00	Methods workshop (continued)
10:00	Tea break
10:30	Methods workshop (continued)
12:30	Lunch
14:00	Methods workshop (continued)
15:30	Tea break
16:00	<p>Methods and Theory</p> <p><i>40-minute lecture by:</i></p> <ul style="list-style-type: none"> ○ Prof. Mammo Muchie <p><u>Working title:</u> 4th Industrial Revolution</p> <p><i>Followed by Q&A</i></p>
17:00	Discussion and advice from Prof. Mammo Muchie on 'How to Publish'
18:00	Close for the day

Wednesday 26th September 2018

08:00	Methods workshop (continued)
10:00	Tea break
10:30	Methods workshop (continued)
12:30	Lunch
14:00	<p>Introduction to group work</p> <p>The project work is introduced, followed by team establishment and initial team tasks completed</p> <p><i>Facilitated by Becky Hanlin</i></p>
15:30	Tea break
16:00	<p>Student paper session 9</p> <p>[Additional students from Université Cadi Ayyad will briefly present their work – 7 minutes each]</p> <ul style="list-style-type: none"> ○ Marouane Mezzourh

	<ul style="list-style-type: none"> ○ Jean Sebastien Angui ○ Hassan Belfquih ○ Lahoucine Bentalbe ○ Nassima Britel ○ Ali Diallo ○ Abdillah Ibrahima ○ Samia Kharouaa ○ Issam Igbida <p><i>Feedback from:</i> All participants</p>
17:30	Close for the day

Thursday 27th September 2018

08:30	<p>Student paper session 8</p> <p><i>Papers by:</i></p> <ul style="list-style-type: none"> ○ Nathan Kanuma Taremwa, Kenyatta University, Kenya Title: Determinants and Impact of Access to Agricultural Finance among Smallholder Farmers in the Eastern and Northern Provinces of Rwanda ○ Fabiyi Oluwasegun Tope, University of Ilorin, Nigeria. Title: Value Chain Development Analysis in Cashew Production: Agricultural Innovation System Approach ○ Hamid Bousfoul, Université Cadi Ayyad – Marrakech, Morocco. Title: Transition énergétique et développement économique: Analyse à partir d'un modèle calculable d'équilibre général dynamique. <p><i>Feedback from:</i></p> <ul style="list-style-type: none"> ○ Prof. Hatem Mhenni and Dr. Rebecca Hanlin ○ Other student presenters
10:00	Tea break
10:30	<p>North African Innovation Systems <i>[Open to all]</i></p> <p>Topic: The future of North African Innovation and Development efforts</p> <p><i>Roundtable discussion with speakers:</i></p> <ul style="list-style-type: none"> ○ Prof. Abdelkader Djeflat, Université de Lille 1, France ○ Prof. Hatem Mhenni, Université Manouba, Tunisia ○ Dr. Youcef Mebbani, Université Mosaganem, Algeria ○ Dr. Mohamed Racid El Yacoubi, Conseil National de l'Organisation professionnelle des comptables agréés, Morocco <p><i>Followed by Q&A</i></p>
12:30	Lunch
14:00	Theory session 4

	<p>45-minute lecture by:</p> <ul style="list-style-type: none"> ○ Dr. Youcef Mebbani <u>Working title:</u> Evaluation Models <p>Followed by Q&A</p>
15:30	Tea break
16:00	<p>Theory 3</p> <p>45-minute lecture by:</p> <ul style="list-style-type: none"> ○ Prof. Aibourk Aomar <u>Working title:</u> Quantitative methods <p>Followed by Q&A</p>
17:30	Close for the day

Friday 28th September 2018

Field visit all day to Science Park

This is mandatory for all Academy students as this is related to the group work being conducted.

Detailed timings will be communicated nearer the time.

Saturday 29th September 2018

08:30	<p>Student paper session 10</p> <p>Papers by:</p> <ul style="list-style-type: none"> ○ Nadia Nabil, Université CADI AYYAD, Morocco. Title: Le degré d'adaptation de la démocratie à la croissance économique : Cas du Maroc ○ Raja Dekhil, HEC, University of Carthage, Tunisia Title: Les innovations Radicales et incrémentales: Source de performance des entreprises. ○ Sonia Dasse, Université Félix Houphouët Boigny (FHB), Cocody, Abidjan, Côte d'Ivoire. Title: les investissements en innovation et la performance des entreprises en Côte d'Ivoire ○ Hala Miada Mahcine, Université d'Oran 2 Mohamed Ben Ahmed, Algeria Title: L'innovation marketing et le développement durable dans les services (le cas des banques algériennes) <p>Feedback from:</p> <ul style="list-style-type: none"> ○ Prof. Abdelkader Djeflat, Prof. Youcef Mebbani and Dr. El Hawimi ○ Other student presenters
10:30	Tea break

11:00	Theory session 5 <i>45-minute lectures by:</i> <ul style="list-style-type: none"> ○ Prof. Hatem Mhenni <u>Working title:</u> STI indicators <i>Followed by Q&A</i>
13:00	Lunch
14:30	Group work 2 <i>All work in teams on group work</i>
16:00	Tea break
16:30	Group work 2 (continued) <i>All work in teams on group work</i>
17:30	Close for the day

Sunday 30th September 2018

Free Day

Monday 1st October 2018

08:30	Group work 3 <i>All work in teams on group work</i>
10:00	Tea break
10:30	Theory session 6 <i>45-minute lectures by:</i> <ul style="list-style-type: none"> ○ Prof. Tarbalouti <u>Working title:</u> Sustainable Development and Creative_Destruction <i>Followed by Q&A</i>
12:30	Lunch
14:00	Policy session 3 <i>45-minute lecture by:</i> <ul style="list-style-type: none"> ○ Prof. Abdelkader Djeflat <u>Working title:</u> How to create impact from your research <i>Followed by Q&A</i>
15:30	Tea break
16:00	Group work 4

	<i>All work in teams on group work</i>
17:30	Close for the day

Tuesday 2nd October 2018

08:30	Presentation of group work Groups present their work to all.
10:00	Tea break
10:30	Presentation of group work (continued)
12:30	Lunch
14:00	Closing session <i>[Including filling of evaluation form]</i>
15:30	Departure

Appendix 3: Participants 6th AfricaLics PhD Academy Participating Students

No:	Names	Institution	Country
1	Yannick Djoumessi	Dschang School of Economics and Management	Cameroon
2	Alphonse Kossiga NDIAYE	University Gaston Berger	Senegal
3	Matilda Auma Ouma	Jaramogi Oginga Odinga University of Science and Technology	Kenya
4	Wanjiku G. Thuita	Riara University	Kenya
5	Rebecca Karaya	Egerton University	Kenya
6	Adeosun Oluayemi Theophilus	University of Lagos	Nigeria
7	Fabiyi Oluwasegun Tope	University of Ilorin	Nigeria
8	McLarence Mandaza	Pan African University	Zimbabwe
9	Raja Dekhil	HEC, University of Carthage	Tunisia
10	Temesgen Getachew	Addis Ababa University	Ethiopia
11	Hassyna Dakhane	University of M'sila	Algeria
12	Moges Tufa	Addis Ababa University	Ethiopia
13	BABALOLA Ifedolapo Helen	Federal University of Technology Akure	Nigeria
14	Olabanji B. Awodumi	University of Ibadan	Nigeria
15	Hala Miada MAHCINE	Université d'Oran 2 Mohamed Ben Ahmed	Algeria
16	Faith Ahabyoona Mugisha	Mbarara University of Science and Technology	Uganda

17	Sonia DASSE	Université Félix Houphouët Boigny (FHB)	Cote D'Ivoire
18	Nathan Kanuma Taremwa	Kenyatta University	Kenya
19	Claude NDAKI MBOULET	Saint Monica University.	Cameroon
20	Hamid BOUSFOUL	Université Cadi Ayyad	Morocco
21	Nadia Nabil	Université Cadi Ayyad	Morocco
22	Kharouaa Samia	Université Cadi Ayyad	Morocco
23	Lahoucine Bentaleb	Université Cadi Ayyad	Morocco
24	Igbida Issam	Université Cadi Ayyad	Morocco
25	Belfqueh Hassan	Université Cadi Ayyad	Morocco
26	Angui Jean Sebastian	Université Cadi Ayyad	Morocco
27	Abdila Ibrahim	Université Cadi Ayyad	Morocco
28	Diallo Ali. M.	Université Cadi Ayyad	Morocco
29	Baitel Nassima	Université Cadi Ayyad	Morocco
30	Abderazak Ouali	Université Cadi Ayyad	Morocco

List of facilitators

No:	Name	Organization	Country
1	Dr. Rebecca Hanlin	ACTS/AfricaLics	Kenya
2	Diran Soumanni	WITS	South Africa
3	Dr. Ann Kingiri	ACTS/AfricaLics	Kenya
4	Dr. Geci Karuri-Sebina	South African Cities Network	South Africa
5	Dr. Roman Jurowetzki	Aalborg University	Denmark
6	Dr. Daniel Hain	Aalborg University	Denmark
7	Prof. Djeflat Abdelkader	University of Lille	France
8	Prof. Mammo Muchie	Tshwane University of Technology	South Africa
9	Mr. Youcef Mebbani	Universite de Mostaganem	Algeria
10	Prof. Hatem Mhenni	University of Manouba	Tunisia
11	Prof. Issi Driss	University Cadi Ayyad	Morocco
12	Prof. Essaid Tarbalouti	University Cadi Ayyad	Morocco
13	Prof. Kchirid	University Cadi Ayyad	Morocco