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CAPACITY DEVELOPMENT (PERIPERI U)

AGREEMENT AID-OFDA-G-16-00115

QUARTERLY REPORT FOR THE SECOND QUARTER OF 2016-2017 REPORTING PERIOD

26 May – 30 June 2016



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List of Partner Institutional Acronyms

| | |
|-----------------|--|
| ABU | Ahmadu Bello University, Nigeria |
| ARU | Ardhi University, Tanzania |
| BDU | Bahir Dar University, Ethiopia |
| GBU | Gaston Berger University, Senegal |
| Makerere | Makerere University, Uganda |
| Moi | Moi University, Kenya |
| RADAR | Research Alliance for Disasters and Risk Reduction |
| SU | Stellenbosch University, South Africa |
| Tanà | University of Antananarivo, Madagascar |
| UBUEA | University of Buea, Cameroon |
| UDM | Universidade Técnica de Moçambique, Moçambique |
| UG | University of Ghana, Ghana |
| USTHB | University of Sciences and Technologies – Houari Boumediene, Algeria |

General Acronyms

| | |
|-------------------|---|
| CERED | Centre d'Etude et de Recherche Economique pour le Développement |
| DMGRC | Multidisciplinary Disaster and Risk Management Master Programme |
| DRM | Disaster Risk Management |
| DRR | Disaster Risk Reduction |
| FAO | Food and Agriculture Organisation |
| GPS | Global Positioning System |
| GIS | Geographic Information System |
| MA | Masters of Art |
| MSc | Masters of Science |
| NEMA | Nigeria Emergency Management Agency |
| PARM | The Platform for Agricultural Risk Management |
| Periperi U | Partners Enhancing Resilience for People Exposed to Risks |
| PhD | Doctor of Philosophy |
| SADC | Southern African Development Community |
| UNDP | United Nations Development Programme |



1. Overview

This report describes the progress of the Periperi U Consortium of Universities from 26 May to 30 June 2016, as required in terms of USAID Agreement AID-OFDA-G-16-00115. It describes the consortium's progress with specific reference to the eight key focus areas of the Periperi U programme. These eight key focus areas fall within two sub-sectors, namely:

Sub-sector 1: Global advocacy and engagement in disaster risk reduction – focus on higher education

- **Focus Area 1:** Strategic advocacy to define higher education as a crucial player in DRR education, capacity building and research reframing HEI engagement from its current peripheral, implicit and under-utilised position
- **Focus Area 2:** Identification and mobilisation of funding mechanisms for both developing country HEIs to advance DRR education and research and for students (especially women)
- **Focus Area 3:** Promotion of disaster risk-related education and research as legitimate domains in contemporary scholarship in Africa

Sub-sector 2: Integration/Enhancement of DRR within Education and Research Programmes

- **Focus Area 1:** Institutional effectiveness, maturation and sustainability of the Periperi U partnership including stability of funding arrangements
- **Focus Area 2:** Strategic scaling-up of DRM/DRR educational activities across Africa to extend capacity-building, technical support and disaster risk research services
- **Focus Area 3:** Institutional embedding of active disaster risk reduction scholarship in each partner including sustainability of staffing and financing
- **Focus Area 4:** Establishment and/or enhancement of core disaster risk activities in each partner, including academic programmes, short courses, risk research and community outreach at local/national scales to advance understanding risk and disaster risk governance as well as strengthen preparedness and resilience-building.
- **Focus Area 5:** Strategic engagement by each partner to advance robust DRM policy and practice from local to global scales

Tables appended at the end of this report provide details on activities undertaken by individual partners 26 May – 30 Jun 2016.

As this first reporting quarter represented an inter-award transition period for Periperi U, some focus areas were directly affected. This was most evident in low numbers of short courses and outreach activities. However, much of the academic work continued, with students pursuing courses and academic staff teaching, writing and giving papers in their efforts to grow and strengthen the body of DRM knowledge and literature.



2. Sub-sector 1: Global advocacy and engagement in disaster risk reduction – focus on higher education

No specific activities were undertaken during the period under review.

3. Sub-sector 2: Integration/Enhancement of DRR within Education and Research Programmes

Focus Area 1: Institutional effectiveness, maturation and sustainability of the Periperi U partnership including stability of funding arrangements

This resource-constrained quarter foregrounds the commitment of Periperi U staff as well as its member universities that significantly contribute to, if not completely finance, the initiative's salaries and other operating costs. Most courses continued despite disruptions in external funding due to the commitment of the staff involved and the modules' deliberate integration within university programmes and structures.

Focus Area 2: Strategic scaling-up of DRM/DRR educational activities across Africa to extend capacity-building, technical support and disaster risk research services

Building on past initiatives, Periperi U partners reported numerous examples of stakeholder engagement. For example, **GBU** who, in collaboration with the Ministry of Agriculture and The Platform for Agricultural Risk Management (PARM), FAO and IDAD Programme, sought to evaluate a proposed protocol for Agricultural Risk Management in Senegal. Similarly, **ARU** continued to foster its relationship with the SADC Secretariat and the Directorate of the Organ on Politics, Defence and Security Cooperation, having presented and validated their report "A National Inventory of Disaster Risk Management Status, Resources and Services and Implementation of DRM Programmes in Tanzania" at a workshop in early May.

USTHB reported strengthened cooperation with the National Delegation of Major Risks that operates under the authority of the Ministry of the Interior, and is Algeria's coordinating body for disaster risk management. This collaboration will strengthen **USTHB's** relationship with the Ministry, along with influencing and supporting local authorities and advancing disaster risk management policy and practice.

The **Tanà** team undertook a study describing the inundation risk of the municipality of Antananarivo, which included the consideration of eight key assets. It also reported progress towards a collaboration framework with the national institution overseeing DRM. This strategic initiative seeks to diversify opportunities that might strengthen CERED's national capacity development role, while also unlocking potential funding opportunities.

Focus Area 3: Institutional embedding of active disaster risk reduction scholarship in each partner including sustainability of staffing and financing

UG noted that the development of its DRR programme has stimulated wider consultations among faculty and practitioners from various fields both within and outside of the university.

During this period, an academic staff member of **Makerere** successfully completed and defended his PhD thesis at Stellenbosch University, South Africa. This represents an important investment in building the capacity of **Makerere's** disaster risk-related teaching and research staff.

USTHB reported that it was still working through the process for proposal and accreditation of its master's programme, while **ABU** advised that the upcoming quarter could see the implementation of the new proposed programmes (MSc, MPhil and PhD Disaster Risk Management programmes). These are currently under consideration by the Post-Graduate School, before being presented to the University Senate for approval.



Focus Area 4: Establishment and/or enhancement of core disaster risk activities in each partner, including academic programmes, short courses, risk research and community outreach at local/national scales.

During this period, at least **910 students** were enrolled in programmes across the partnership (337 male students, 227 female students and 346 yet to be determined). **116 students** (76 male and 39 female) graduated with their Masters degrees during this period, with most partner universities across the consortium engaged in the different aspects of their Masters Programmes.

Makerere reported continuation of its core training programme – Masters of Public Health: Disaster Management for 16 students (8 in 1st year and 8 in 2nd year). Several Disaster Risk Management modules were conducted during this quarter, including “reproductive health in emergencies” and “management of public health disasters”. The DRR academic programmes for Masters Students at **GBU** and **USTHB** also continued during this period, with second-year **GBU** students expected to take-up internships in the upcoming quarter.

During this period, **UG** completed academic courses for both undergraduate and graduate levels with examinations taking place in May and then the marking of assessments in June. 17 (10 graduate and 7 undergraduate) students completed the course modules. Having commenced the 2015/2016 academic session lectures for the Masters and Postgraduate Diploma in Disaster Risk Management, **ABU** spent this period conducting and reviewing the results from the first semester examinations.

Students at **Moi** University, who will soon complete their Masters, had an opportunity to defend their theses during May and **UDM** celebrated the graduation of MSc and BSc students during this period.

SU held discussions with Cape Nature regarding possible collaboration opportunities for its 2017 Honours community-based field project. The MPhil DRSD programme was launched, with lectures commencing, and planning began for the next *Community Risk Assessment* course.

Partner universities continued to consider and adapt their curricula to meet the evolving programme needs. **Tanà** reported that the DMGRC students who began coursework in February, were bringing their 1st term to an end. Course content had been adapted to highlight the international agenda, represented by the Sendai Framework for DRR, as well as the new DRM national policy for Madagascar. Efforts were also made to introduce a DRM module into an existing distance learning programme. Within the Department of Economics, a module on economic valuation tools, including an introduction to risk science, continues to be delivered to the three academic streams, reaching over 300 students.

The **UDM** team is currently preparing to launch modules on Humanitarian Law and Humanitarian Logistics as well as working to further develop an MSc Curriculum in Risk Management. **UG** also conducted consultative meetings about the possibility of up-scaling their course modules into a programme that would target MA/MSc and MPhil students.

Partners also reported a wide range of research projects and publications. **USTHB** reported progress towards the finalisation of its (French) publication “*Revisiting Ghardaia (Algeria) through the flood disaster of 1 October 2008*”, while three PhD candidates continued working on research projects. **UDM** conducted a desktop review and field work in a survey of local capacity in meteorological and early warning services for agricultural, hydrological and meteorological drought in semi-arid areas of southern Mozambique. **UG** pursued two ongoing pieces of research – one in risk-governance in peri-urban Accra and a second in water and sanitation service provision and school health risks in selected communities in Ghana. **SU** concluded its *OFF the RADAR synthesis report*, representing the consolidation of findings from 12 severe weather events during the period 2003-2014. The initial project was a post-event analysis of four cut-off lows, undertaken in collaboration with the Western Cape Disaster Management Centre.



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While most universities did not offer short courses during this period, many partners expressed confidence that these would soon resume. Similarly, outreach activities are expected to recommence once funding becomes more readily available. On 24 June, SU staff launched the Mandela Day 2016 outreach initiative for a crèche in Klapmuts, with resources collected to be handed over next quarter.

A highlight of this quarter was **Makerere University's** securing of funding to support the research of 6 graduate students. Sources included; One Health: Central and East Africa (2 students), **Makerere University's** Institute of Tropical Medicine Institutional Collaboration (3 students) and USAID's World Learning Scholarship (1 student).

Focus Area 5: Strategic engagement by each partner to advance robust DRM policy and practice from local to global scales

Despite funding constraints, several partners participated in international and national processes. On 29 June, Professor Orach (**Makerere**) participated in, and presented at, the Tuberculosis, Working to Empower Nations Diagnostics Efforts (TWEDE) launch conference. Dr Diana Menya (**Moi**) presented a paper at the Kuwa-Tayari conference that was held in May in Eldoret, Kenya.

During this period, **ABU** was involved in a UNDP/NEMA consultancy service which required the centre to develop a DRR Public Awareness and Advocacy Plan for Nigeria. **BDU** also organised a conference entitled "Agriculture and Environmental Management for Sustainable Management". This was attended by 97 people from the College of Agriculture and the Institute of DRM and Food Security Studies.

4. Secretariat Report

Activities focused on compiling all partner performance reports and expenditures, in order to submit final project expenditure reports. Similarly, performance data for the entire project (including students registered, short courses given, theses completed) were compiled quantitatively and qualitatively and then documented in a final end-of project narrative report.

5. Problems and Obstacles Reported

The main obstacle highlighted during this period was constrained access to funding for activities outside of core academic programmes. In some instances, this included funding for short courses (**Moi and ABU**), organising and attending local and international workshops and conferences (**ABU**), provision of additional research grants for graduate students (**Makerere**) and in some instances, field research costs, such as travel (**UG and Tanà**).

Both **GBU** and **Makerere** underlined teaching and supervision challenges due to growing student numbers, despite fixed levels of DRM orientated academic staff. Similarly, **ABU** commented on the need for additional academic staff to cater for their programmes as well as the need for teaching aids (such as computers, GPS and GIS software). **UG** noted that the slow process involved in developing academic programmes remained a constraint while others commented on delays due to internal university procedures and protocols.

6. Highlights and Plans Going Forward

Students at **ARU** will graduate and students at **UBUEA** will defend their theses. **BDU** will be working on the development of the climate change and development curriculum in their MSc programme and **Tanà** will continue their work on the conception of an inundation Early Warning System which they anticipate will involve and assist community members during emergencies.

In the upcoming quarter, **USTHB** will start working on a new PhD research project related to vulnerability and resilience in the city of Algiers which will officially begin in November 2016. El Hadj Fouad and Zelloum Hamoud are planning to explore a new research project on disaster risk reduction knowledge in the desert cities in the Algerian Sahara.

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7. Appendices

Table 1: Snapshot into the staff composition of partners 26 May – 30 June 2016

| Periperi U faculty/university staff | | | | | | | |
|-------------------------------------|-------------------------------------|-----------|-----------------|-----------|-------------|----------|------------|
| | Periperi U faculty/university staff | | Adjunct faculty | | Other staff | | |
| Institution | Female | Male | Female | Male | Female | Male | Total |
| ARU | 1 | 6 | - | - | - | - | 7 |
| BDU | 2 | 11 | - | - | - | - | 13 |
| Makerere | 4 | 6 | 3 | 5 | 4 | 6 | 28 |
| Moi | 3 | - | - | - | - | - | 3 |
| SU | 6 | 2 | 1 | 1 | - | - | 10 |
| Tanà | 2 | 5 | 5 | 4 | - | - | 16 |
| UBEUA | 3 | 4 | - | - | - | - | 7 |
| UDM | 1 | 3 | 1 | 2 | - | - | 7 |
| UGB | - | 6 | - | - | - | - | 6 |
| USTHB | 1 | 4 | 1 | 4 | - | - | 10 |
| Total | 23 | 47 | 11 | 16 | 4 | 6 | 107 |



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Table 2: Snapshot of under/post graduate programmes 26 May – 30 June 2016

| Academic programme development/expansion | | | | | | | | |
|--|---|--|--------------------------|----|--------------------|---|-----------------|---|
| Institution | Current Academic Programme/s | Level (e.g. Undergrad, Masters, PhD) | No. of students enrolled | | Graduated Students | | Failure/Dropout | |
| | | | M | F | M | F | M | F |
| BDU | DRM & Sustainable Development | Undergrad | 26 | 16 | | | | |
| | DRM & Sustainable Development | Undergrad | 21 | 7 | | | | |
| | DRM & Sustainable Development | Undergrad | 12 | 28 | | | | |
| | DRM & Sustainable Development | MSc | 15 | 2 | | | | |
| | DRM & Sustainable Development | MSc | 26 | 26 | | | | |
| | DRM & Sustainable Development | MSc | 8 | 1 | | | | |
| Makerere | Masters of Public Health Disaster Management I | Masters | 2 | 4 | | | | |
| | Masters of Public Health Disaster Management II | Masters | 3 | 5 | | | | |
| | Bachelor of Environmental Health Science | Undergrad | 24 | 15 | | | | |
| SU | Disaster Risk Science and Development | Masters | 1 | - | | | | |
| Tanà | DMGRC Masters | Masters | 16 | 9 | | | | |
| | Macroeconomics and modelling | Undergrad | 346 | | | | | |



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| | | | | | | | | |
|--------------|--|-----------|-------------|-------------|-----------|-----------|----------|----------|
| | Public Affairs | Undergrad | | | | | | |
| | General Economics | Undergrad | | | | | | |
| UBEUA | ENV 312 | Undergrad | 34 | 34 | | | | |
| | Env 604 | Masters | 8 | 7 | 8 | 7 | - | - |
| UDM | BSc in Environmental Engineering and Disaster Management | Undergrad | 27 | 22 | 1 | 5 | | |
| | MSc in Technical Education, Development and Disaster | Masters | 20 | 20 | 1 | 1 | | |
| UGB | Prevention and Risk Management | Masters | 25 | 8 | | | | |
| USTHB | Earthquake Risk Reduction | Masters | 70 | 33 | 68 | 32 | 2 | 1 |
| Total | | | +338 | +237 | 78 | 45 | 2 | 1 |

Table 3: Snapshot of partner publications and research outputs 26 May – 30 June 2016

| Research outputs | | | | | |
|------------------|--------------------------------|---|---|------------------------------|-----------------------|
| Institution | Output Type | Research Author | Research title | Research theme | Status of publication |
| ARU | Book Chapter | Kiunsi, Robert | Dar es Salaam: In Bartlett, S. & Satterthwaile (eds), Cities on a finile planet: Transformation responses to climate change | Climate change | Published |
| Makerere | Peer-reviewed journal articles | Jaco Kemp, Christopher Garimoi Orach, John Bosco Isunju | Community-level adaptation to minimize vulnerability and exploit opportunities in Kampala's wetlands | Vulnerability and adaptation | Published |
| | Peer-reviewed journal articles | Bwire, G., Mwesawina, M., Baluku, Y., | Cross-Border Cholera Outbreaks in Sub-Saharan Africa, the Mystery behind the Silent Illness: What Needs to Be Done? | Disasters and disease | Published |



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| | | | | | |
|--------------|--------------------------------|---|--|--|--|
| | | Kanyanda, S.S. and Orach, C.G., | | | |
| Moi | Conference Proceedings | Diana Menya, Judith Mangeni, Christina Otieno, Elizabeth Buluku | The Role of Institutions of Higher Learning in Building Capacity in Disaster Preparedness | Disaster Risk Reduction and Preparedness | Presentation on 25/05/2016 |
| Tanà | Research report | DMGRC-CERED/Periperi U team members | IARIVO Project: Strengthen the resilience of the most flood-vulnerable communities of the Urban Commune of Antananarivo | Resilience-Flood-Vulnerability | Electronic version shared with authorities |
| UDM | Peer-reviewed journal articles | Leite, J. G.D.B., Leal, M. R.L.V., Nogueira, L. A.H., Cortez, L. A.B., Dale, B. E., da Maia, R. C. and Adjorlolo, C. (2016) | Sugarcane: a way out of energy poverty | modern energy; biofuels; sustainability; rural development | Published |
| UGB | Peer-reviewed journal articles | M Loum, M Diack, N.Y. B. Ndour and D. Masse | Effect of the Continuum Removal in Predicting Soil Organic Carbon with Near Infrared Spectroscopy (NIRS) in the Senegal Sahelian Soils | Soil Science and Food Security | Published |
| USTHB | Book | Zelloum, El hadj and Benouar. Djillali | Revisiting Ghardaia (Algeria) through the Flood Disaster of 1 October 2008 | Floods | |

Table 4: Snapshot of student theses completed 26 May – 30 June 2016

| Theses | | | |
|-------------|-------------|--------------------|--|
| Institution | Output Type | Thesis Author | Title |
| BDU | Masters | Abozen Shewangizaw | The impact of food security in female households: the case of Angolela-Tara Woreda |
| | Masters | Fsha Baraki | Assessing current disaster risk reduction and management and the commitment, coordination and collaboration of responsible organizations |



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| | | | |
|-----------------|---------|-------------------------------------|--|
| | Masters | Humnesa G/Selassie | Impacts of drought on socio-economic pastoralists in Dirre woreda of Borena zone, Oromia region. |
| | Masters | Netsanet Assefa | Fire hazard precaution and prevention practices in urban areas; the case of Bahir Dar city. |
| | Masters | Seifu Woldie | The impact of flood on the socio-economic and livelihood of Lare Woreda, Gambela |
| | Masters | Tesfye Wudye | Local community perceptions and adaptation to climate variability and climate change in east belessa district, north gonder, ethiopia". |
| | Masters | Yazachew Belay | Challenges and opportunities on mainstreaming disaster risk reduction into sustainable development efforts at local level : Jabitehnan and Bure weredas Amhara National Regional State |
| Makerere | Masters | Stephen Acellam | Assessment of Contingency Planning for Disaster Risk Management by Districts in the Acholi Sub region, Northern Uganda |
| | Masters | Nambuya Esther | Food security and coping strategies among refugees in Adjumani, Uganda |
| | PhD | John Boso Isunju | Spatiotemporal analysis of encroachment on wetlands: a case of Nakivubo wetland in Kampala, Uganda |
| Tanà | PhD | Rasoamananjara Z. A. Fy Maminaiaina | Analyse de la vulnérabilité du système institutionnel en GRC à Madagascar' |
| | PhD | Razanakoto G. F. Thierry | La vulnérabilité à la sécheresse en Androy: conséquences socio-économiques et perceptions culturelles du risque climatique |
| UDM | Masters | Eduardo Francisco Semo | The impact of school production in the formation of student |