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**COUNTRY/REGION: AFRICA**

**PROGRAMME TITLE: REGIONAL DISASTER RISK AND VULNERABILITY REDUCTION**

**CAPACITY DEVELOPMENT (PERIPERI U)**

**AGREEMENT AID-OFDA-G-16-00115**

**QUARTERLY REPORT FOR THE SECOND QUARTER OF 2018-2019 REPORTING PERIOD**

01 April – 31 June 2019

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## GENERAL ACCRONYMS

<b>3PA</b>	Three-Pronged Approach
<b>ARMS</b>	African Risk Methods School
<b>A-STAG</b>	African Science and Technology Advisory Group
<b>AUC</b>	African Union Commission
<b>AYAB-DRR</b>	Africa Youth Advisory Board on Disaster Risk Reduction
<b>BSc</b>	Bachelor of Science
<b>CCA</b>	Climate Change Adaptation
<b>CSIR</b>	Council for Scientific and Industrial Research
<b>DPC</b>	Directorate of Civil Protection
<b>DR</b>	Disaster Risk
<b>DRM</b>	Disaster Risk Management
<b>DRR</b>	Disaster Risk Reduction
<b>DRRS</b>	Disaster Risk Reduction Science
<b>EAC</b>	East African Community
<b>FATHUM</b>	Forecasts for Anticipatory Humanitarian Action
<b>FbF</b>	Forecast-based financing
<b>GAR</b>	Global Assessment Report
<b>GNDR</b>	the Global Network of Civil Society Organizations for Disaster Reduction
<b>GPDRR</b>	Global Platform on Disaster Risk Reduction
<b>GRAF</b>	Global Risk Assessment Framework
<b>HEI</b>	Higher Education Institution
<b>ICSU IRDR</b>	International Science Council Union Integrated Research on Disaster Risk
<b>IDRR</b>	Integrated Disaster Risk Reduction
<b>INGC</b>	Instituto Nacional de Gestão de Calamidades
<b>IPCC</b>	Intergovernmental Panel on Climate Change
<b>IRD</b>	Institute de Recherche pour le Developpement
<b>MA</b>	Master of Arts
<b>MCTESTP</b>	Ministry of Science and Technology, Higher Education and Technical Professional
<b>MDRM</b>	Master of Disaster Risk Management
<b>MoU</b>	Memorandum of Understanding
<b>MPhil</b>	Master of Philosophy
<b>MSc</b>	Master of Science
<b>MSc. DRM</b>	Master of Science in Disaster Risk Management

<b>MUST</b>	Malawi University of Science and Technology
<b>NEPAD</b>	New Partnership For Africa's Development
<b>NiMet</b>	Nigerian Meteorological Agency
<b>NUST</b>	National University of Science and Technology
<b>OFDA</b>	Office of U.S. Foreign Disaster Assistance
<b>ORC</b>	Online Resource Centre
<b>PDF</b>	Portable Document Format
<b>PDMC</b>	Provincial Disaster Management Centre
<b>PGDip</b>	Post Graduate Diploma
<b>PhD</b>	Doctor of Philosophy
<b>SANWATCE</b>	Southern African Network of Water Centres of Excellence
<b>SFDRR</b>	Sendai Framework for Disaster Risk Reduction
<b>TCU</b>	Tanzania Commission for Universities
<b>UNDRR</b>	United Nation Office for Disaster Risk Reduction
<b>UNESCO</b>	United Nations Educational, Scientific and Cultural Organization
<b>USAID</b>	United States Agency for International Development
<b>WFP</b>	World Food Program

## **PARTNER ACCRONYMS**

<b>ABU</b>	Ahmadu Bello University, Nigeria
<b>ARU</b>	ARU University, Tanzania
<b>BDU</b>	Bahir Dar University, Ethiopia
<b>UGB</b>	Gaston Berger University, Senegal
<b>Makerere</b>	Makerere University, Uganda
<b>Moi</b>	Moi University, Kenya
<b>Periperi U</b>	Partners Enhancing Resilience for People Exposed to Risks
<b>RADAR</b>	Research Alliance for Disasters and Risk Reduction
<b>SU</b>	Stellenbosch University, South Africa
<b>Tanà</b>	University of Antananarivo, Madagascar
<b>UBuea</b>	University of Buea, Cameroon
<b>UDM</b>	Universidade Técnica de Moçambique, Moçambique
<b>UG</b>	University of Ghana, Ghana
<b>USTHB</b>	University of Sciences and Technology – Houari Boumediene, Algeria

## 1. OVERVIEW

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This report describes the progress of the Periperi U Consortium of Universities from 01 April - 30 June 2019, as required in terms of USAID Agreement AID-OFDA<sup>1</sup>-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 (DRR) – 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 Higher Education Institutions (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 (DR)-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 DR research services
- **Focus Area 3:** Institutional embedding of active DRR scholarship in each partner including sustainability of staffing and financing
- **Focus Area 4:** Establishment and/or enhancement of core DR activities in each partner, including academic programmes, short courses, risk research and community outreach at local/national scales to advance understanding risk and DR 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

During this reporting period, 223 staff contributed to research, teaching, research and/or administrative activities across the consortium. 1219 students were enrolled across 20 academic programmes and 8 modules across the 12 partner universities. Three short courses were conducted, attended by 118 participants in total. Periperi U partners also attended and engaged in 22 strategic and technical meetings held at international, regional, national and local levels, attended by an estimated 4741 people. These included the inaugural meetings of the ASTAG and AYAB groups as well as various sessions at the Global platform on Disaster Risk Reduction. Tables appended at the end of this report also provide details on activities undertaken by individual partners from 01 April - 30 June 2019.

## 2. SUB-SECTOR 1: Global advocacy and engagement in DRR – focus on higher education

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At a continental scale, staff from the Periperi U partners were invited to apply to become members of the newly established African Science and Technology Advisory Group (A-STAG) and the Africa Youth Advisory Board on Disaster Risk Reduction (AYAB - DRR) for the implementation of the DRR in Africa. Four Periperi U staff (from **BDU**, **Tanà**, **UBuea** and **USTHB** - as seen in table 1) were selected to be members of the A-STAG to serve on a voluntary basis to provide their scientific expertise and guidance

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<sup>1</sup> Office of U.S. Foreign Disaster Assistance (OFDA)

towards DRR initiatives and policies undertaken by the African Union Commission (AUC), Regional Economic Communities and AUC Member States. What is more, three of the partners were elected to hold executive committee positions, including Chairperson of the A-STAG group held by Prof Djillali Benouar of **USTHB**.

Two young staff from **SU** and **Tanà**, as well as a former student from **UG**, were selected to be members of the AYAB - DRR. The role of the AYAB members will be to champion the capacity building of African youth, design of youth sensitive policies, implementation, monitoring and review of DRR within Africa across continental, regional, national and local levels. A core priority of the AYAB set out by the AUC is to engage with Periperi U partners to facilitate capacity building initiatives and increased collaboration and exchange between young African scientists and practitioners in the field of DRR.

*Table 1: Periperi U representation on ASTAG and AYAB*

Name	Partner	Group & position
Aina Andrianjakatina	Tanà	AYAB - Southern Africa Representative
Alberto Francioli	SU	AYAB - Southern Africa Representative
Djillali Benouar	USTHB	A-STAG - Chairperson
Holimalala Randriamanampisoa	Tanà	A-STAG - Communication /Resources Mobilisation
Samuel Ayonghe	UBuea	A-STAG - Central African Representative
Tarekegn Yehuala	BDU	A-STAG - Secretary

At International scale, representatives from each of the partners (excluding **Makerere**, who were unable to acquire a Visa in time to travel) attended the sixth Global Platform on Disaster Risk Reduction (GPDRR) in Geneva, Switzerland from 13 – 17 May 2019. The presence of the 15 strong Periperi U team of African academics foregrounded the growing capability of Africa to advance its own DR-related research and capacity in this field - and to reinforce this with the public officials (especially from their own countries) who were attending the GPDRR.

**SU/RADAR**'s director participated on a panel titled 'Science and Policy dialogue: The case for better data' in which she spoke about the research findings of a survey undertaken by the Working Group 4 of the Global STAG conducted concerning the role of higher education in advancing skilled capacity in this domain. She highlighted several issues apparent within DRR education and training institutions, including limited financial support for students and programmes, lack of female representation both at student and lecturer levels, as well as an absence of social sciences and humanities.

A paper titled "Beyond fragility: Advancing skilled human capital for disaster risk reduction and resilience in Africa" was contributed to the Global assessment Report (GAR) 2019 which was launched at the GPDRR. The paper related to research undertaken by **ARU**, **BDU**, **Makerere**, **SU**, **Tanà** and **UDM** of the career paths of approximately 400 (primarily) Masters graduates from their DR-related academic programmes. The paper sought to critically examine whether purposeful investments in high-value disaster risk-related human capital and human resources, such as investing in DR related education and training, enable progress towards strengthened risk reduction capability at national and subnational levels.

Several Periperi U partners (particularly those also on the A-STAG) attended the Africa State Consultation, a major side event forum at the GPDRR, to discuss challenges and opportunities to DRR the continent. **USTHB**'s Periperi U representative put forward a proposal that encouraged greater emphasis on DR-related education and training as well as the involvement of African HEIs in capacity building, research and consultancy to advance DRR initiatives and capabilities across the continent.

Periperi U Members from the AYAB - DRR participated in several youth related sessions and panels, discussing their experiences and providing suggestions for enhanced engagement between youth groups and educational institutions to promote awareness and capacity building in DRR.

The partners held an internal meeting with a representative from the United Nations Educational, Scientific and Cultural Organization (UNESCO), showcasing the partners, their capacities and recent research, education and outreach activities, as well as to discuss potential collaboration between the consortium and UNESCO. As a result of this meeting, UNESCO has agreed to assist funding for a second African Risk Methods School to take place in late 2019 (see section 3.2 for more information).

### **3. SUB-SECTOR 2: Integration/Enhancement of DRR within education and research programmes**

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

Consortium staffing remained unchanged from the previous quarter, with 226 teaching/research/support staff (including 67 women, 29.6% of those engaged). These levels varied considerably among partners, ranging from eight staff members at **UBuea** and **UG** to 30 at **ABU**. A breakdown of staffing, including category and gender of each of the partners, is available in table 2 in the appendices.

#### **3.2 Focus Area 2: Strategic scaling-up of DRM/DRR educational activities across Africa to extend capacity-building, technical support & DR research services**

During this quarter the Secretariat/**SU** continued to collaborate with major international and continental institutions on two projects focused on enhancing DR related education, research and capacity building. These included;

- a) *'Strengthening the DRR Coordination Planning and Policy Advisory Capacity of the Southern African Development Community' project*, which seeks to facilitate action research related to regional DRR policies in Southern Africa and support capacity building for regional experts, media, legislature, civil society organizations and the private sector to better contribute in the implementation of DRR activities in the Southern Africa. This projected is a collaborative project between partners based at **ARU**, **Tanà**, **UDM** the National University of Science and Technology (NUST) in Zimbabwe and the Malawi University of Science and Technology (MUST) and the AU/NEPAD Southern African Network of Water Centres of Excellence (NEPAD SANWATCE). During this reporting period, the team submitted an inception report detailing the work plan for the assignment, preliminary desk review of relevant documents and initial brief systematic consultations with key stakeholders.
- b) *'Disaster Risk Finance Capacity Building Program for Africa'*, a projected in collaboration with **SU**, Stellenbosch University Business School, **Tanà** and the World Bank to develop a Disaster Risk Finance themed training course targeted towards senior officials from Ministries of Finance from across the African continent. During this quarter, SU met several times with the Business School to discuss logistics and curriculum development of the training course.

As previously mentioned in Section 3.1, a successful introductory meeting between a UNESCO representative and Periperi U, resulted in UNESCO announcing its support for a second ARMS by the end of 2019. Discussions began concerning the structure of the school, establishing a preliminary budget, selecting themes and developing a draft curriculum of courses, and identification of facilities and accommodation. While ARMS 2 was originally to be hosted by BDU in Ethiopia, a coup attempt there on 23 June 2019 raised concern about security, and whether the school should be relocated elsewhere.



During this quarter, **Makerere** collaborated with Boston University to develop and organise a summer school titled “Humanitarian Engineering and Refugees Studies: Designing Solutions for Health Challenges in Protracted Crises”. The school is designed to provide students in the health sciences both theoretical and field experience understanding of the health challenges for refugees in Uganda and across Africa. The school is set to be implemented in the following quarter between 1 -20 July 2019 in Kampala, Uganda.

### **3.3 Focus Area 3: Institutional embedding of active DRR scholarship in each partner including sustainability of staffing and financing**

Periperi U partners actively seek out opportunities to development staff capacity and skills, as well as to support the development and upgrading of facilities and technological capacities of partners. During this quarter, 33 **BDU** staff members participated in a university training programme on ‘Demographic Health Survey and Stata Software for Survey Data Analysis’.

In June **UBuea** held a workshop for its academic staff and part time teachers and lecturers on the MSc degree programmes in Disaster Risk Management and in the Natural Resources and Environmental Management, facilitated by the Head of Department of Environmental Science.

**UBuea** was also able to equip its Volcano Monitoring Laboratory with new equipment, materials and software, including computers, licensed ArcGIS 10.7 Software, a printer, air conditioners, and cupboards, as well as the installation of broad band internet to provide internet connection to the facility.

### **3.4 Focus Area 4: Establishment and/or enhancement of core DR activities in each partner, including academic programmes, short courses, risk research and community outreach.**

#### **3.4.1 Academic Programmes**

##### ***Consortium-wide enrolment***

During this reporting period, 1219 students (including 462 women, 37.8% of those enrolled) were enrolled in 20 academic programmes and 8 modules across the 12 Periperi U universities. The majority of students are continuing their studies from the previous quarter. **BDU**, saw 32 students (46.8% of which were women) complete and graduate from their undergraduate and postgraduate programmes.

##### ***Developing and restructuring curricula***

**ARU** has two of its programmes, the Master of Disaster Risk Management (MDRM) and the Masters of Science in Disaster Risk Management (MSc. DRM) currently under review, awaiting approval by the university’s senate. After its review the programmes will be submitted to the Tanzania Commission for Universities (TCU) for accreditation before being implemented in October for the start of the 2019/20 academic year

**BDU** sent out its final version of the PhD Curriculum on DR science to Periperi U partners for review and will be sent to the University’s curriculum mandate committee for approval. It also continued to develop a new short-term training course in occupational safety and emergency management set to run between one to three months, incorporating the suggestions from various stakeholders and experts among regional, national and international organizations based in Ethiopia received in the previous quarter.

**UBuea** began investigating the possibility of modifying its existing DRM degree programme to be taught online for distance learning across the country. A technical meeting was held on 12 April 2019

with the head of Service of the Online Portal of University of Buea to discuss the possibility of taking this idea forward.

**UDM** continues to work on meeting the necessary criteria, “particularly concerning the “internationalization” and “percentage of resident teachers with PhD Degrees”, for its BSc Course on ‘Environmental Engineering and DRM’, required by the Ministry of Science and Technology, Higher Education and Technical Professional (MCTESTP) Training’s National Quality Assessment Council, for its course to be renewed for the 2020 academic year.

**UG** submitted a final revised copy of the proposed academic programme on Disaster Risk Reduction Science (DRRS) to the Dean of the School of Social Studies within the College of Humanities. It expects a final approval and commencement of the programme in the following quarter. **SU** also continued to pilot its online lectures, with a lecturer from **UG** teaching a class on “Disaster Risk Reduction in Africa, perspectives from Ghana” for its MPhil programme via online video (e.g. Skype).

### 3.4.2 Short Courses and Training

On 15 May 2019, **ARU** hosted a short course titled ‘Understanding of DRR and the role of Dodoma district council and district disaster management committee for risk reduction for members’. The course was attended by 34 participants from the disaster management committee for Dodoma district, as well as technical staff and heads of departments of Dodoma City Council.

On 25 June **UBuea** held a short course on “the design and enforcement of a building code for the earthquake prone Region of Mount Cameroon”. 60 participants, ranging from scientists, structural engineers, architects and seismologists to mayors and traditional rulers attended this training course. Presentations were given by a range of local scientists, engineers and architects who gave presentations emphasizing the need for the development of a building code for infrastructure at the flanks of Mount Cameroon.

**USTHB** had planned to host a short course with components including, vulnerability assessment methods, hazard analysis and modelling, and earthquake disaster scenario planning. However, this was postponed due to strike action by staff and students at the university.

### 3.4.3 Risk research and Publications

#### ***PERIPERI U staff research and Publications***

The director of **ABU** served as a member for an Environmental Impact Assessment team for the proposed construction of a Steel Production Project in Umorie Community, Abia State Nigeria. He particularly focussed on providing a DR perspective to the assessment identifying potential hazards and vulnerabilities that could arise from this development.

Partners based at **ARU**, **BDU**, **Makerere** and **Tanà** have been collaborating with the World Food Programme (WFP) during this quarter to conduct pilot studies of implementation of its adapted version of the Three-Pronged Approach (3PA) to assess vulnerability and resilience within urban, displaced and refugee settings in their respective countries. On 18 June, **ARU** signed a Memorandum of Understanding (MoU) with the WFP to conduct a one-year pilot of the 3PA in three urban centres, Dar es Salaam, Dodoma and Mwanza. **Makerere** acted as the initial pre-pilot for the implementation of the 3PA on the continent over 2018 and 2019. It continued this contribution towards the development of the adapted 3PA through the signing of a three-year project to roll-out of the 3PA across Uganda. **Tanà** began its pilot of the implementation of the 3PA in Madagascar through conducting a workshop with the WFP and government officials to deliberate on local risk issues related to urban, displaced and refugee communities (Section 3.5 provides more detail on the meetings and MoUs between Periperi U partners and the WFP).

Similarly, partners situated within SADC (**ARU**, **SU**, **Tanà** and **UDM**) began work on a World Bank funded project titled '*Strengthening the DRR Coordination Planning and Policy Advisory Capacity of the Southern African Development Community*'. On 15 June, the partners submitted their first deliverable, an inception report outlining the key questions and methodology for the project including information on data sources and collection as well as key indicators. It provides for a more detailed outline of the timeline for project activities, as well as illustrates how the three activity areas will feed into the achievement of key objectives and the overall aim of this project.

**Makerere**, **SU** and **UDM**, in collaboration with the University of Reading, have been conducting the 'Forecasts for Anticipatory Humanitarian Action' (FATHUM) 2017-2020 Research Project' which focuses on the prospect on implementing forecast-based financing (FbF) within their respective countries to reduce risk.

**SU** completed its research on the 2017 Eden District fires. This included writing a 100-page technical report and a 50-page synthesis report that combined the findings from the three research partners (**SU**, Stellenbosch University's Fire Engineering Research Unit, and the Council for Scientific and Industrial Research (CSIR). The synthesis report was publicly launched on 6 June in Cape Town and 20 June in Johannesburg, in which the research teams presented their findings to the public and the press.

As a result of the recognition for its work on the Knysna fire, **SU** has been approached by the Provincial Disaster Management Centre (PDMC) to undertake research investigating attacks on fire service personnel responding to emergency callouts, which is becoming a major cause for concern in the Western Cape.

**Tanà** continued its analysis of data on microfinance, social protection and resilience within the Toamasina and Brickaville districts in Madagascar. From this research, the **Tanà** team plans to write several journal articles and respond to conferences call of papers from this research.

In late May, **UBuea** was informed that it had been awarded the World Bank working grant in partnership with the Institute de Recherches pour le Developpement (IRD) in France, Le Centre de Recherche et de Formation en Eco-éthologie (CERFE) and the Red Cross Crescent. This project focuses on; i) building knowledge on hazards, vulnerabilities and risks throughout the 11 Central African Member States; (ii) reinforcing regional and national capacities on DRR and Climate Change Adaptation (CCA); (iii) strengthening the policy dialogue and legislation on DRR and CCA; and (iv) enhancing regional capacity for response and post disaster assessment and reconstruction planning.

**UBuea** sent a team of water experts in response to a call issued by the Ministry of Scientific Research in Yaounde and the Delegation of Environment in the South West Region to conduct an analysis for contamination and pollutants in Limbe Cameroon. This followed an explosion that took place at a local oil refinery. As of reporting, results of the analysis of water samples are still pending.

With respect to publications and research outputs during this quarter, **ARU** and **Tanà** have written several articles, that as of the end of the reporting period are undergoing review before final publication. **SU's** synthesis report on the 2017 Eden District fires was publicly launched on the 6th of June in Cape Town) and the 20th of June in Johannesburg, in which the research teams presented their findings to the public and the press.

Also in June, the director of USTHB became the Editor-in-Chief of the Oxford Research Encyclopaedia of Natural Hazard Science<sup>2</sup>.

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<sup>2</sup>Letter from the Editor in Chief; <https://oxfordre.com/naturalhazardscience/page/eicletter/letter-from-the-editor/>

### **Student Research**

During this period, 296 postgraduate students were working on theses across the consortium, of whom 26 were PhD candidates. Approximately 45 students had either completed their research and submitted in their dissertations or were awaiting examiner feedback at the time of reporting. An illustrative table of Periperi U student theses and research is available in table 9 in the Appendices.

While research themes varied widely, recurrent topics focused on investigating risks to food security and livelihoods, flood and mass-movement related hazards and associated risks, health risk issues, analysing impacts of severe weather events, risks and vulnerability of urban communities and infrastructure. PhD research topics tended to focus on urban-based risks including earthquake engineering (particularly from **USTHB** students) and flood risk reduction.

Several large field research projects were conducted by students across the consortium. Between 1 - 5 May, 250 students from **ABU's** PGD, Master, MSc., MPhil and PhD programmes conducted a risk assessment of ten communities investigating their vulnerability and resilience towards flooding as part of their mandatory field practical work. The information gathered from these communities is currently being compiled into a report to be distributed to local government to assist in flood risk reduction initiatives and planning.

From 26 – 27 April, postgraduate and undergraduate students from **UG** participated in a field practical exercise at the gold mining town of Obuasi to practice their field research skills, as well as to investigate the impacts of mining on the socio-economic and environmental conditions on the town.

Similarly, **SU** Honours level students conducted an evaluative study on the implementation of wildfire risk reduction initiatives around the community of Glencairn, Cape Town. Research gathered from this report is used to provide data and insights for local community groups and emergency services to reduce risk of wildfires and enhance community safety.

#### **3.4.4 Community Outreach**

This period only saw a few outreach events take place. As mentioned in the previous section, as part of their mandatory field practical work projects **ABU** and **SU** students gathered data conducted risk assessments concerning flooding and wildfire respectively. Both projects involved engaging with community members to assess their exposure to their respective hazards, document their experiences dealing with such hazards, and ascertain their perceptions of risk. The outcome of both projects was to increase awareness of DR-related issues facing these communities, as well as to write up a consolidated report to present to local community groups and emergency services to provide information and suggestions to guide local planning and that incorporate DRR and resilience building initiatives.

As part of its University's annual week of Community service to communities in Dar es Salaam, **ARU** staff and students provided a public seminar to a local community of Goba settlement on flood risk and how local community members can protect themselves and enhance their resilience to flood risk.

### **3.5 Focus Area 5: Strategic and Technical engagement by each partner to advance robust DRM policy**

#### **3.5.1 Overview of engagement-based activities**

During this reporting period, Periperi U consortium members engaged with a variety of stakeholders across multiple scales. Opportunities for these engagements were created at various events including meetings, conferences and technical workshops. Partners reported attending 13 strategic and 9 technical engagements each with an estimated 4 280 and 461 participants respectively. Details of all strategic and technical engagements undertaken by partners during this quarter is available in tables 10 and 11 respectively, in the appendices.

### 3.5.2 International engagements

As previously mentioned in section 2.1, the major international event attended by partners was the Global Platform on DRR in Geneva from 13 to 18 May, 2019. Representatives from each partner, (excluding **Makerere**<sup>3</sup>) travelled to the event, attending various sessions and presentations concerned with addressing disaster risk and strengthening DRR activities globally. During these dates, partners also attended several significant side events and meetings such as the Science and Policy Forum Meeting, the 21st UNDRR-ISC/IRDR<sup>4</sup> meeting and the Africa State Consultation for DRR between 13 – 14 May. On 18 May, an internal day-long meeting took place with a UNESCO representative to discuss future collaboration and cooperation with the consortium.

Other major international events attended by partners during this reporting period include, the Director of **USTHB** attending the 3rd Meeting of the Expert Group of the Global Risk Assessment Framework (GRAF), organized by the UNDRR, Geneva, between 3 – 4 April. From 28 April – 3 May, **Makerere** staff attended meeting held at the American University in Beirut, Lebanon. The meeting was attended by 20 participants from John Hopkins University, Makerere University, American University in Beirut, and University of Jordan Science and Technology. The focus of the meeting was to discuss the implementation of a multi-country project focused integration of health services for refugees and host communities in developing countries.

As briefly mentioned in section 3.4, several partners have been engaging with the WFP as part of its pilots for the implementation of the 3PA. During this period, both **ARU** and **Makerere** University School of Public Health signed MoUs with the WFP to pilot the 3PA study in their respective countries. On 22 May **ARU**, **BDU**, **Makerere** and **SU** participated in an online webinar with representatives of the WFP and other HEIs and NGOs from across Africa and the Middle East to discuss the adaptation and implementation of the 3PA.

### 3.5.3 Continental/Regional engagements

On 16 April, **UG** hosted a delegation of staff and students from Afe Babalola University and members of the Nigerian Red Cross as part of an exchange programme. Senior staff from **UG** held a short workshop, presenting on the Periperi U consortium, as well as on research and work conducted by **UG** on urban environmental risks including sanitation, waste management, drainage and flooding, and housing stress in the Greater Accra Metropolitan Area.

From 23 – 28 April, representatives from **UBuea** participated at the LIRA 2030 workshop in Goma, D.R Congo. This focussed on health implications from the Nyirangongo volcano affecting surrounding communities. UBuea attendees found this workshop very instructive, allowing them to exchange knowledge and experiences concerning volcanic eruptions, toxic gases and means of reducing related impacts and risks to vulnerable neighbouring communities, with other African and international experts.

As previously mentioned in section 2, between 6 - 7 and 8 - 9 May 2019, seven Periperi U members attended respective inaugural meetings of the AYAB and ASTAG meetings in Nairobi, Kenya.

From 11 - 14 June 2019, a **Moi** representative participated in the East African Community (EAC) pandemic preparedness 5<sup>th</sup> joint field simulation exercise in Namanga on the Kenyan/Tanzanian border. This focused on evaluating emergency policies, plans and procedures concerning response to public health emergencies.

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<sup>3</sup> The representative from Makerere University was unable to acquire a visa to Switzerland in time for the GPDRR

<sup>4</sup> United Nations Office for Disaster Risk Reduction International Science Council / Integrated Research on Disaster Risk

### 3.5.4 National and local level engagements

The **ABU** director attended two 2-day workshops within Nigeria which were focussed on rainfall events. The first workshop (12 – 13 April) was hosted by the Nigerian Meteorological Agency (NiMet) on Rainfall Prediction. The second (29 – 30 April), convened by the National Emergency Management Agency (NEMA), focused on Main-streaming the Impact of Rainfall into Disaster Risk Reduction (DRR) in Nigeria. Both workshops were attended by representatives from local and federal Ministries, Agencies, Departments and Universities from across the country.

Following the signing of its MoU with the WFP, **ARU** staff attended a WFP country office workshop titled 'Cooperating partners dialogue with WFP Tanzania'. The **ARU** staff delivered a presentation titled '*Urbanisation and resilience: What is the role of Ardhi University?*' which examined the various DR and resilience building related activities **ARU** has conducted within urban areas and communities in the country.

**BDU** held a national conference at its university, titled "Building Community Resilience in Ethiopia" and presented approximately 20 papers on DRR/DRM, Climate Change, Food Security, Ecosystem, Environment and other related issues. The conference was attended by officials and experts from across the country. These included a senior advisor from the Federal Disaster Risk Management Commission. Three **BDU** staff members also attended a meeting organised by the Global Network of Civil Society Organizations for Disaster Reduction (GNDR) on the 'Role of Civil Society Organizations in Building Disaster Resilience in Ethiopia'. A representative from **BDU** presented on the 'Role of Higher Education Institutions in implementing the Sendai Framework for Disaster Risk Reduction' (SFDRR) speaking on the experiences of **BDU** and the Periperi U partners.

On 18 June, **GBU** held a meeting with the Directorate of Civil Protection (DPC) of the Ministry of Interior of Senegal. The meeting focussed on the potential contribution **GBU** can make towards informing and guiding DRR policy and implementation in the country. As part of a pending MoU between the DPC and the university, **GBU** is identifying several short-term activities based on the priority areas of the Sendai Framework to contribute towards enhancing DRR within the country.

On 30 April, **SU** hosted a public open seminar focussed on wildfire management in the Western Cape region of South Africa, which was attended by about 100 students, staff, Disaster Management and Fire Services Personnel and the members of the public. As previously mentioned, the **SU** research team which participated in the Knysna Fires Research project attended in both public workshops in Cape Town and Johannesburg on the 6<sup>th</sup> and 10<sup>th</sup> June respectively) to launch the report and answer questions from the press and public.

**Tanà** participated in two workshops jointly conducted by the Office of the Prime Minister's in charge of DRR and the Met Service. The first workshop aimed at presenting the new climate trends for the country until 2050 considering the climate change information based on the 5<sup>th</sup> IPCC global report. The second workshop was a public consultation on a report titled 'Public policies and institutional capacity study on climate resilience and disaster risk management'. One of the recommendations agreed during this consultation was for the report to incorporate inputs from **Tanà** and other DR related HEI centers concerning Climate Change and Disaster Risk to assist in informing and guiding future policy and strategies to be aligned with SFDRR objectives and priorities.

Between 5 – 6 June, **Tanà** continued its collaboration with the WFP country office, assisting with the organisation of a workshop. This involved over 40 people from public sectors (prime minister's office and ministries). This engagement with and assessment of knowledge and capacity of national stakeholders is considered as part of the first step of the implementation of the 3PA approach. The CERED team is completing the data, developing a methodology for the implementation of the 3PA approach in Madagascar.

On 13 June, **Tanà** attended a technical meeting on ‘social protection in Madagascar’ held by the Ministry of Population, Women Protection and Family Planning to contribute towards the development of handbook to guide stakeholders and the public. On 18 June, a member from **Tanà** was also invited to participate at a national workshop on the ‘Climate Risk Atlas’ organized by the Prime Minister’s Office in Charge of Emergency prevention and management. The Climate Risk Atlas project is part of the broader Climate Resilience Pilot Program and will address six major risks caused by cyclone, coastal erosion, marine submersion, landslide, drought and inundation. This workshop was aiming at designing and putting in place the national framework and platform for effective collaboration of national stakeholders.

During this quarter, **UDM** researchers collaborated with staff from the Mozambique Red Cross Society to analyze data collected on communities in Gaza as part of its case study for the FATHUM project. **UDM** staff also held discussions with the Instituto Nacional de Gestão de Calamidades<sup>5</sup> (INGC) to collaborate together on the Desinventar database project, an international research initiative to identify, document and analyze hazards, vulnerability, risks and disasters in Mozambique.

On 21 May, **USTHB** attended a meeting with the National Delegation for Major Risks to discuss how to incorporate recommendations drawn from the 1st National Conference on Disaster Risk Management “For a more resilient Algeria”. These recommendations include the development of a database for various types of hazards, vulnerabilities and risks, the creation of risk maps for Algeria, as well as incorporate GIS technology to risk mapping.

## **4. SECRETARIAT REPORT**

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### **4.1 Operational Support**

The secretariat’s operational support included assistance for the day-to-day running of the consortium, including financial management, assisting in travel logistics for major strategic engagements as well as data capturing and reporting of partner activities to USAID.

### **4.2 Preparatory work towards forthcoming engagements, training and evaluation**

The secretariat coordinated travel arrangements and logistics for events such as the African Working Group meeting held between 2 – 5 April 2019 in Addis Ababa Ethiopia, and the Global Platform on Disaster Risk Reduction (GPDRR) between 13 – 17 May 2019 in Geneva Switzerland. Preparations for the Global Platform included booking of flights, accommodation and visa letters for representatives from each of the partners, as well as a meeting venue for an internal meeting for the partners. During this period, the secretariat is organising travel arrangements and logistics for upcoming events such as the 2019 Periperi U consultative meeting in Madagascar set for 29 July – 2 August 2019, as well as preliminary travel arrangements and budgeting for ARMS 2 in October/November 2019

### **4.3 Periperi U Phase IV Evaluation and Annual Report 2018 - 2019**

The Periperi U evaluation report which focused on critically analysing the activities and outputs of the partners during Phase IV (26 May 2016 to 25 May 2019) of the Periperi U project, was completed and published online<sup>6</sup> during this quarter. The evaluation fulfils the accountability requirements for USAID Grant Number AID-OFDA-G-16- 00115 and SLA Contract number: S004781. In addition, it contributes to the important learning function provided by evaluations by offering fresh perspectives on the Periperi U consortium’s work. It to inform future development. The report highlighted many of the achievements and progress made by the consortium and individual partners during Phase IV, as well

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<sup>5</sup> National Institute of Disaster Management

<sup>6</sup> [http://www.riskreductionafrica.org/assets/files/PeriperiU\\_Phase%20IV\\_Evaluation\\_Report\\_.pdf](http://www.riskreductionafrica.org/assets/files/PeriperiU_Phase%20IV_Evaluation_Report_.pdf)

as lessons and recommendations as opportunities for critical reflection that can be used to strengthen the partners and enhance their activities and reach at local to international levels.

On 25 June, the secretariat also compiled and submitted the Periperi U annual report to USAID/OFDA. This documented key activities, events and statistics from across the consortium from 26 May 2018 – 25 May 2019. Key findings included the growth of female student representation reaching 40% across the consortium, increased number of students to 2,199 and the introduction of several new academic courses and programmes, particularly in Cameroon. It also foregrounded partner attendance at major strategic events and collaborations with major international institutions, as well as the sharp increase of views and downloads on the Periperi U Online Resource Centre (ORC).

Despite a highly favourable evaluation and untiring efforts to secure continuation funding at continental level, the secretariat has been unsuccessful so far in establishing clarity in follow-on funding for the consortium, post-November 2019. This is despite untiring efforts since 2016 to secure support at all scales and across multilateral, bilateral and intergovernmental sources. Numerous avenues for resource mobilisation have been identified and preliminary discussions convened, along with the submission of concept notes and proposals. Despite wide-ranging recognition of the transformative impact by Periperi U continent-wide, there is still uncertainty on funding continuity post-November, 2019.

#### 4.4 Periperi U Online Platforms

During this reporting period, the number of searches performed on the Online Resource Centre (ORC) remained consistent ranging between 332 816 and 373 486 searches. PDF views saw a significant increase between April and June reaching over 21 000 views, making it one of the largest views since the ORC came online. Overall, this quarter had 1 072 065 searches performed and 51 359 views, with an average of 2,937.2 searches and 140.7 PDF searches per day.

*Table 2 Searches and views performed on the ORC*

Month	April	May	June	Total
Searches performed	373 486	332 816	365 763	1 072 065
PDF views	14,566	15,557	21,236	51 359

In addition to the ORC, the secretariat continued to manage and update the [www.riskreductionafrica.org](http://www.riskreductionafrica.org) website and its Facebook page to ensure a strong online presence. These platforms provide information on each of the partner’s academic programmes, advertise short courses as well as report on consortium related events and news.

## 5. PROBLEMS AND OBSTACLES REPORTED

While partners reported very few problems and obstacles during this quarter, several issues were identified. Many partners stated that their activities were quite restrained as a result of the closing of the USAID project and the recalling of funding to the secretariat. **Moi** reported being unable to conduct an urban community risk assessment and a short course due to limited funding opportunities as well as the recalling of its unspent funding to the secretariat for the close of the USAID project.

Political instability also caused several disruptions for partners. Following an attempted coup d’état on 23 June in Bahir Dar city, BDU partners were without electronic communication for two weeks. The coup also brought into the question the viability of hosting ARMS 2 in the country amid concerns about stability, security and travel within the country, and whether the school should be relocated elsewhere.



**USTHB** had planned to host a short course during this quarter. However, it was postponed due to university staff strike and student demonstrations in response to protests against the Algerian government during March and April.

The persisting lack of clarity on continuation funding post-November 2019 is a matter of increasing urgency.

## **6. HIGHLIGHTS AND PLANS GOING FORWARD**

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The Periperi U partnership will participate in several major events next quarter. These include:

- Representatives from each of the partners will participate in the Periperi U Annual Consultative Meeting to take place in Antananarivo Madagascar between 30 July – 2 August
- Partners such as ARU, BDU, Makerere, Tanà will be continuing their collaboration with the WFP on the 3PA.
- ARU staff to attend a WFP workshop in Zimbabwe for training on the methodology and implementation of the pilot 3PA project
- Makerere to host its summer school, “Humanitarian Engineering and Refugees Studies Design Solution for Health Challenges in Protracted Crises” between 1 -20 July in Kampala, Uganda.
- UG to organise a second Graduate Write Shop in July 2019 to assist staff and students to writing theses.
- UBuea scheduled to conduct a workshop to design a building code for the seismically active region of Mount Cameroon, on 3 July.
- UDM and USTHB each plan to host their respective short courses.
- Several partners are expecting to host graduation ceremonies for their students

## 7. APPENDICES

Table 3 Summary table of Partner activities between 1 April - 31 June 2019

Summary table				
Detail	No of...	No of students / participants		
		M	F	Tot
<b>Staff</b>				
Periperi U Faculty		72	28	<b>100</b>
Contributing staff - internal to the university		66	29	<b>95</b>
Contributing staff - external to the university		20	8	<b>28</b>
<b>Staff total</b>		<b>158</b>	<b>65</b>	<b>223</b>
<b>Academic Programmes/modules/courses</b>				
Programmes	20	617	365	<b>982</b>
Modules	8	140	97	<b>237</b>
<b>Academic Programmes/modules/courses total</b>	<b>28</b>	<b>757</b>	<b>462</b>	<b>1219</b>
<b>Student Theses</b>				
PGDip (ABU)	3			
Honours	26			
Masters	241			
PhD	26			
<b>Student theses total</b>	<b>296</b>			
<b>Short Courses</b>				
Short Courses	3	63	45	<b>108</b>
<b>Short courses total</b>	<b>3</b>	<b>63</b>	<b>45</b>	<b>108</b>
<b>Engagements</b>				
Technical	9			<b>461</b>
Strategic	13			<b>4280</b>
<b>Engagements total</b>	<b>22</b>			<b>4721</b>
<b>Publications and Research</b>				
Publications	2			
Research	11			
<b>Publications and Research total</b>	<b>13</b>			
<b>Outreach</b>				
Engaged citizenship	1			<b>80+</b>

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Table 4 Composition of partners 01 April - 31 June 2019

Institution	Periperi U faculty			Contributing staff (Internal)			Contributing staff (External)			Total		Total staff
	F	M	Tot	F	M	Tot	F	M	Tot	F	M	
ABU	-	4	4	2	24	26	-	-	-	2	28	30
Ardhi	1	6	7	1	4	5	3	3	6	5	13	18
BDU	4	24	28	-	-	-	-	-	-	4	24	28
GBU	1	14	15	3	4	7	-	7	7	4	25	29
Ghana	-	4	4	1	1	-	1	1	2	2	6	8
Makerere	1	2	3	14	16	30	-	-	0	15	18	33
Moi	7	-	7	-	-	-	1	3	4	8	3	11
SU	6	3	9	-	-	-	-	-	-	6	3	9
Tana	2	5	7	5	5	10	-	-	-	7	10	17
UBUEA	2	3	5	-	1	1	2	-	2	4	4	8
UDM	2	4	6	1	10	11	-	-	0	3	14	17
USTHB	2	3	5	2	1	3	1	6	7	5	10	15
<b>Total</b>	<b>28</b>	<b>72</b>	<b>100</b>	<b>29</b>	<b>66</b>	<b>95</b>	<b>8</b>	<b>20</b>	<b>28</b>	<b>65</b>	<b>158</b>	<b>223</b>

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Table 5 Academic Programmes and student numbers between 01 April - 31 June 2019

Institution	Academic programme name	Level	New			Existing			Graduated			Failure/Dropout			Total		Total
			M	F	Tot	M	F	Tot	M	F	Tot	M	F	Tot	M	F	
ABU	DRM and Development Studies (2017 - 2018)	PGDip	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
	DRM and Development Studies (2018 - 2019)	PGDip	-	-	-	23	9	32	-	-	-	-	-	-	23	9	32
	DRM and Development Studies (2018 - 2019)	MA	-	-	-	123	30	153	-	-	-	-	-	-	123	30	153
	DRM and Development Studies (2017 - 2019)	MSc	-	-	-	9	6	15	-	-	-	-	-	-	9	6	15
	DRM and Development Studies (2018 - 2020)	MSc	-	-	-	23	4	27	-	-	-	-	-	-	23	4	27
	DRM and Development Studies (2017 - 2018)	MPhil	-	-	-	40	9	49	-	-	-	-	-	-	40	9	49
	DRM and Development Studies (2018 - 2019)	MPhil	-	-	-	27	4	31	-	-	-	-	-	-	27	4	31
	DRM and Development Studies (2017 - 2019)	PhD	-	-	-	3	1	4	-	-	-	-	-	-	3	1	4
	DRM and Development Studies (2018 - 2020)	PhD	-	-	-	2	-	2	-	-	-	-	-	-	2	-	2
<b>ABU Subtotal</b>					-	<b>251</b>	<b>63</b>	<b>314</b>	-	-	-	-	-	-	<b>251</b>	<b>63</b>	<b>314</b>
ARU	Master of DRM (MDRM) (2016-2018)	Masters	-	-	-	5	2	7	-	-	-	-	-	-	5	2	7
	Master of DRM (2017 - ongoing)	Masters	-	-	-	3	1	4	-	-	-	-	-	-	3	1	4
	Master of DRM (2018 - ongoing)	Masters	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
	Master of Science in DRM (MSc. DRM)	MSc.	-	-	-	-	4	4	-	-	-	-	-	-	-	4	4
	Master of Science in DRM (2017 - ongoing)	MSc.	-	-	-	3	2	5	-	-	-	-	-	-	3	2	5
	Master of Science in DRM (2018 - ongoing)	MSc.	-	-	-	1	3	4	-	-	-	-	-	-	1	3	4
	PhD. in DRM (2016 -ongoing)	PhD	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
	PhD. in DRM (2017 -ongoing)	PhD	-	-	-	2	-	2	-	-	-	-	-	-	2	-	2
<b>ARU Subtotal</b>			-	-	-	<b>16</b>	<b>12</b>	<b>28</b>	-	-	-	-	-	-	<b>16</b>	<b>12</b>	<b>28</b>
BDU	DRM & Sustainable Development (2016 - 2019)	BSc	-	-	-	7	10	17	-	-	-	1	5	6	8	15	23
	DRM & Sustainable Development (2017 - 2020)	BSc	-	-	-	17	17	34	-	-	-	-	-	-	17	17	34

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	DRM & Sustainable Development (2018 - 2021)	BSc	-	-	-	19	15	34	-	-	-	8	6	14	27	21	48
	DRM & Sustainable Development (2016 - 2018)	MSc	-	-	-	3	1	4	-	-	-	1	-	1	4	1	5
	DRM & Sustainable Development (2017 - 2019)	MSc	-	-	-	7	2	9	-	-	-	4	2	6	11	4	15
	Climate Change & Development	MSc	-	-	-	4	1	5	-	-	-	-	-	-	4	1	5
	DRM & Sustainable Development (Dire Dawa)	MSc	-	-	-	15	-	15	-	-	-	-	-	-	15	0	15
	DRM & Sustainable Development	MSc	-	-	-	13	3	16	-	-	-	-	-	-	13	3	16
	Climate Change & Development	MSc	-	-	-	8	-	8	-	-	-	3	2	5	11	2	13
<b>BDU Subtotal</b>			-	-	-	<b>93</b>	<b>49</b>	<b>142</b>	-	-	-	<b>17</b>	<b>15</b>	<b>32</b>	<b>110</b>	<b>64</b>	<b>174</b>
<b>GBU</b>	Prevention/Management of Food Insecurity Risk (2016-2018)	MSc	-	-	-	7	4	11	-	-	-	-	-	-	7	4	11
	Prevention/Management of Food Insecurity Risk (2017-2019)	MSc	-	-	-	36	16	52	-	-	-	-	-	-	36	16	52
	Prevention/Management of Food Insecurity Risk (2018-2020)	MSc				18	4	22	-	-	-	-	-	-	18	4	22
<b>GBU Subtotal</b>						<b>61</b>	<b>24</b>	<b>85</b>	-	-	-	-	-	-	<b>61</b>	<b>24</b>	<b>85</b>
<b>Makerere</b>	Masters of Public Health DM II (2017-2019)	Masters	-	-	-	6	4	10	-	-	-	-	-	-	6	4	10
	Masters of Public Health DM III (2018-2020)	Masters	-	-	-	1	2	3	-	-	-	-	-	-	1	2	3
<b>Makerere Subtotal</b>			-	-	-	<b>7</b>	<b>6</b>	<b>13</b>	-	-	-	-	-	-	<b>7</b>	<b>6</b>	<b>13</b>
<b>SU</b>	Disaster Risk Science and Development (2017-2018)	MPhil	-	-	-	-	2	2	-	-	-	-	-	-	-	2	2
	Disaster Risk Science and Development (2018-2019)	MPhil	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
	Disaster Risk Science and Development (2019-2020)	MPhil	-	-	-	3	2	5	-	-	-	-	-	-	3	2	5
<b>SU Subtotal</b>			-	-	-	<b>3</b>	<b>5</b>	<b>8</b>	-	-	-	-	-	-	<b>3</b>	<b>5</b>	<b>8</b>
<b>Tanà</b>	DMGRC	MPhil	-	-	-	22	13	35	-	-	-	-	-	-	22	13	35
<b>Tana Subtotal</b>			-	-	-	<b>22</b>	<b>13</b>	<b>35</b>	-	-	-	-	-	-	<b>22</b>	<b>13</b>	<b>35</b>

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<b>UBuea</b>	Disaster Risk Management	MSc	8	9	17	-	-	-	-	-	-	-	-	-	8	9	17
<b>Tana Subtotal</b>			<b>8</b>	<b>9</b>	<b>17</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>9</b>	<b>17</b>
<b>UDM</b>	Environmental Engineering and Disaster Management (2017-ongoing)	BSc	-	-	-	4	2	6	-	-	-	-	-	-	4	2	6
	Environmental Engineering and Disaster Management (since 2008)	BSc	-	-	-	36	96	132	-	-	-	-	-	-	36	96	132
	Environmental Engineering and Disaster Management (2018-ongoing)	BSc	-	-	-	13	13	26	-	-	-	-	-	-	13	13	26
	Environmental Engineering and Disaster Management (2019-ongoing)	BSc	-	-	-	11	12	23	-	-	-	-	-	-	11	12	23
<b>UDM Subtotal</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>64</b>	<b>123</b>	<b>187</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>64</b>	<b>123</b>	<b>187</b>
<b>USTHB</b>	Structural Dynamics and Earthquake Engineering (2017 - ongoing)	MSc	-	-	-	72	43	115	-	-	-	-	-	-	72	43	115
	Earthquake and flood risk reduction (2015 - ongoing)	PhD	-	-	-	3	3	6	-	-	-	-	-	-	3	3	6
<b>USTHB Subtotal</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>75</b>	<b>46</b>	<b>121</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>75</b>	<b>46</b>	<b>121</b>
<b>Total</b>			<b>8</b>	<b>9</b>	<b>17</b>	<b>592</b>	<b>341</b>	<b>933</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>17</b>	<b>15</b>	<b>32</b>	<b>617</b>	<b>365</b>	<b>982</b>

Table 6 Short courses between 01 April - 31 June 2019

Institution	Title	Theme	Start Date	End Date	Participants		
					M	F	Tot
<b>ARU</b>	Understanding of DRR and the role of Dodoma city council and district disaster management committee in risk reduction	DRM	2019/05/15	2019/05/15	17	17	34
<b>UBuea</b>	The design and enforcement of a building code for the seismically active region of Mount Cameroon	DRM	2019/06/25	2019/06/25	40	20	60
	Disaster Resilience, building practices and coping strategies	DRM	2019/06/29	2019/06/30	6	8	14
<b>Total</b>					<b>63</b>	<b>45</b>	<b>108</b>

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Table 7 Academic modules and student numbers between 01 April - 31 June 2019

Institution	Module name	Level	Start Date	End Date	New			Existing			Failure/dropout			Total		Total
					M	F	Tot	M	F	Tot	M	F	Tot	M	F	
Ghana	GEOG 444: Policies and Strategies for Integrated Disaster Risk Reduction	Undergrad	2019/01/01	2019/05/31	-	-	-	20	13	33	-	-	-	20	13	33
	GEOG 646: Applied Integrated Disaster Risk Reduction in Urban Ghana	Masters	2019/01/01	2019/05/31	-	-	-	2	3	5	-	-	-	2	3	5
<b>Ghana Subtotal</b>					-	-	-	22	16	38	-	-	-	22	16	38
Makerere	MDM 7206 Mental Health and Psychological issues in Disaster Situations	MSc	2019/04/08	2019/04/19	3	2	5	-	-	-	-	-	-	3	2	5
<b>Makerere Subtotal</b>					3	2	5	-	-	-	-	-	-	3	2	5
UBuea	ENV 312: Natural Hazards, Disasters and Impacts of Climate Change	BSc	2017/10/01	2020/10/01	-	-	-	22	13	35	-	-	-	22	13	35
	ENV 610: Groundwater, Pollution and Protection	Masters	2018/10/01	2020/10/01	-	-	-	7	8	15	-	-	-	7	8	15
	ENV 710: Advanced Topics in Surface and Groundwater Management	PhD	2018/10/01	2020/10/01	-	-	-	8	9	17	-	-	-	8	9	17
	DRM 602, 604, 608, 612, 614	MSc	2018/10/01	2021/10/01	-	-	-	6	6	12	-	-	-	6	6	12
<b>UBuea Subtotal</b>					-	-	-	43	36	79	-	-	-	43	36	79
USTHB	Dynamics of Structures	MSc	2018/09/16	2019/07/04	-	-	-	72	43	115	-	-	-	72	43	115
<b>USTHB Subtotal</b>					-	-	-	72	43	115	-	-	-	72	43	115
<b>Total</b>					3	2	5	137	95	232	-	-	-	140	97	237

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Table 8 Outreach conducted by partners between 01 April - 31 June 2019

Type of outreach	Institution	Description of activities	Date	Collaboration partners	No of participants
Engaged citizenship	ABU	flood risk assessment and awareness raising for 10 communities in Kaduna	1-5 May 2019	N/A	169 students, unknown number of community members
	ARU	Public seminar for Goba settlement on awareness of flood risk	June 2019	N/A	uncertain
	SU	Wildfire risk assessment and awareness raising for Glencairn Community, Cape Town	April 2019	N/A	65+
	UDM	Continuation of the development of irrigation system	since October 2017	N/A	80+
<b>Outreach total</b>					<b>80+</b>

Table 9 Illustrative partner research and publication outputs produced between 01 April - 31 June 2019

Institution	Output Type	Research Author	Research title	Research theme	Status of publication
ARU	Case study	Mushi, B. P., Kiunsi, R., & Salukele, F.	Assessment of community flood adaptation strategies in Dar es Salaam: The case of Mbagala Kingugi and Chamazi Mkondogwa wards	Flood adaptation	Draft manuscript for publication
	Case study	Duru Z., Kasseva M.E & Salukele F.	Disaster risks associated with small scale mining: The case of Katente gold mining site in Bukombe, Geita region	Environmental risks	Draft manuscript for publication
	Case study	Sakijege, Tumpale & Chetto, Reginald	Business development in disaster prone areas: What do we know and what can we do?	Urban development associated risks	Draft manuscript for publication
GBU	Journal article	Diop T. and M. Diack	Restoring Soils Affected by the Salinization process as a way of contributing to food and nutrition security	Restoration of degraded soils / Food and Nutrition Security	On-going



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Makerere	Case study	Chris Orach, Harriet Bukira	Forecasts for Anticipatory Humanitarian Action” (FATHUM) 2017-2020 Research Project	DRR, Forecast based Financing, Humanitarian action	Ongoing
SU	Journal article	Holloway, A. & Fortune, G	Beyond fragility: Advancing skilled human capital for disaster risk reduction and resilience in Africa	Capacity Building, DRR, DRM	Published
	Case study	de Kock, C. & Holloway, A.	Forecasts for Anticipatory Humanitarian Action” (FATHUM) 2017-2020 Research Project	DRR, Forecast based Financing, Humanitarian action	Ongoing
	Journal article	Holloway A, Triyanti A, Rafliana I, Yasukawa S, de Kock C	Leave no field behind: Future-ready skills for a risky world	Capacity Building	Published
Tanà	Conference proceedings	Randriamanampisoa Holy, Randriamparany Sarah, Razanakoto Thierry and Lazamanana Pierre	Roles of microfinance in enhancing households’ resilience to a natural hazard: a case study of a village in the eastern part of Madagascar)	Microfinance and households' resilience	Abstract submitted and selected for communiation
	Conference proceedings	Andrianjakatina Aina, Ralitera Jaurès, Salava Julien and Randrianalijaona Mahefasoa	(The governance of inundation in Antananarivo: questioning the territory resilience)	Territory resilience and risk governance	Abstract submitted and selected for communiation
UDM	Case study	da Maia, R. & Nhambiu, B.	Forecasts for Anticipatory Humanitarian Action” (FATHUM) 2017-2020 Research Project	DRR, Forecast based Financing, Humanitarian action	Ongoing
USTHB	Report	Yamina Ait Meziane & Djillali Benouar	Collection of Vulnerability Assessment Methods for Buildings	Earthquake risk reduction	Ongoing
	Report	Youcef Bouhadad & Djillali Benouar	Alea Seismic: State of Knowledge and Practice	Earthquake risk reduction	Ongoing

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Table 10 illustrative table of student theses and research

Institution	Output Type	Thesis Author	Title
<b>ABU</b>	PhD	Abdullahi Hussaini	An Analysis of the role of Weather Forecast and Early Warning Information in Mitigating Weather-Related Disaster in Nigeria.
<b>Ardhi</b>	Masters	Elizabetha A. Humplick	Pollution levels of human risk assessment of potentially toxic elements in urban street dust of Dar es Salaam
<b>BDU</b>	Masters	Yasin Ibrahim Ege	Seasonal climate variability and indigenous climate risk prediction methods for pastoral area.
<b>GBU</b>	MSc	Rokhaya Diop	Vulnerability and scoping strategies in agricultural farms in Senegal River Valley
<b>Makerere</b>	Masters	Kaptengan David	Prevalence and factors associated with Diarrhoea among Children under five after occurrence of floods and Household adaptation strategies Kawempe, Kampala.
<b>Moi</b>	MPH	Jennifer Akumu	Factors Associated with Uptake of Floods Early Warning Information in Butaleja District, Eastern Uganda
<b>SU</b>	Honours	Justin Flexney	Analysis of emergency preparedness knowledge among farmers/ farm labourers within Koeberg Nuclear Power Station's emergency planning zone
<b>Tanà</b>	PhD	Jaurès Ralitera	Vulnerability and resilience strategy of rural households on the east coast of Madagascar in the face of natural hazards: case of the Sava region in the face of cyclones.
<b>UBuea</b>	Msc	Nchini Livinus Wayih	Physical Vulnerability assessment of building infrastructure in the city of Buea to seismic hazards from Mount Cameroon eruptions
<b>UDM</b>	Honours	António Amelia Tembue	Evaluation of the Effect of Exploitation of Forest Resources in the District of Massinga in the Period 2007-2017
<b>UG</b>	Masters	Eric Sepenu Afli	The Role of Public Transport in the Spread of Infectious Diseases: A Case of Accra Metropolitan Area (GAMA)
<b>USTHB</b>	PhD	Farida Boulaghmen	Flood Risk Management in the City Center of Ghardaïa (Algeria) Using Geographic Information System (GIS) in the Wake of the Flood Disaster of October 1st, 2008

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Table 11 Strategic Engagements conducted by partners between 01 April - 31 June 2019

Type	Level	Institution	Title/Details	Role	Start Date	End Date	No. of Periperi U participants	No of participants	Location	Hosts
Meeting	Inter-national	All PeriperiU Partners except Makerere	Global Platform for DRR	Expert/ Advisor /Attendee	2019/05/13	2019/05/17	12	4000	Geneva International Conference Centre	UNDRR
	Continental	All PeriperiU Partners except Makerere	PERIPERI U Internal Meeting with OFDA representatives	Attendee	2019/05/17	2019/05/17		18	CICG	PeriperiU
			PERIPERI U Internal Meeting with UNESCO representative	Attendee	2019/05/18	2019/05/18		15	Forum Geneve	PeriperiU
	Regional	All PeriperiU Partners except Makerere	Consulative Meeting of PPU	Presenter	2019/05/18	2019/01/02			16	Geneva
	National	GBU	Revitalization of Senegal Platform on DRR	Expert/Advisor	2019/06/21	2019/06/21	1	10	Dakar	Ministry of Civil protection
		USTHB	National Commission for the implementation of the recommendations for DRR of the Science-Policy national conference on DRM	Expert/Advisor	2019/05/21	2019/05/21	1	22	Algiers (Algeria)	National Delegation for Major Risks,
	Local	UDM	CVM response to Cyclones Idai and Kenneth	Attendee	2019/05/24	2019/05/24	3	37	Hotel VIP, Maputo	CVM (Mozambique Red Cross)
		UG	Brief overview of the PeriPeri U Project.	Presenter	2019/04/16	2019/04/16	3	30	Accra	PERIPERI U-UG

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Meeting subtotal							20	4148		
Conference	National	Tanà	Presentation of the new climate trends of Madagascar till 2025 based on the 5th IPCC global report on climate change	Attendee	2019/05/08	2019/05/08	2	42	Hotel le Pavé Antaninarenina / Antananarivo	Prime Minister's Office - Met Service
	Continental		CERED Director participated for the firsttime at this meeting as a new Scientific commettee member of IRDR-ISC	Attendee	2019/05/14	2019/05/14	1	24	Geneva	UNDRR - ISC - IRDR
Conference subtotal							3	66		
Workshop	National	Tanà	Public policies and institutional capacity study on climate resilience and disaster risk management	Attendee	2019/05/10	2019/05/10	1	38	World Bank office Country office, Antananarivo	Prime Minister's Office - National Office of Coordination of Climate Change
			Social Protection thematic group Handbook establishment	Attendee	2019/06/13	2019/06/13	1	28	Antananarivo	MPPSPF
	Continental		UNDRR - STAG meeting	Attendee	2019/05/13	2019/05/14	2	N/a	Geneva	UNDRR - ISC
Workshop subtotal							4	66		
Strategic engagement total							27	4280		

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Table 12 Technical Engagements conducted by partners between 01 April - 31 June 2019

Type	Level	Institution	Title	Role	Start Date	End Date	No. of Periperi U participants	No of participants	Location	Host
Workshop	National	BDU	Building Community Resilience in Ethiopia	Co-sponsor	2019/05/30	2019/05/31	54	265	Bahir Dar	Bahir Dar University
		Tana	3PA/ICA technical workshop	Host	2019/06/05	2019/06/06	17	45	Antsirabe/Antananarivo	CERED
			National Climate Risk Atlas	Expert/Advisor	2019/06/18	2019/06/18	1	25	Antananarivo	UN HABITAT
<b>Workshop subtotal</b>							<b>72</b>	<b>335</b>		
Meeting	National	BDU	Role of Higher Education Institutions in implement-ing the SFDRR: the Africa/Ethiopia Experience;	Expert/Advisor	2019/05/02	2019/05/02	1	15	Addis Ababa	GNDR
			Role of Civil Society Organizations in Building Disaster Resilience in Ethiopia	Expert/Advisor	2019/05/08	2019/05/08	3	21	Addis Ababa	National Disaster Risk Management Commission
	Continental	SU, Tanà	1st AYAB Meeting	Expert/Advisor	2019/05/06	2019/05/07	2	20	Hilton Hotel, Nairobi (Kenya)	African Union Commission and UNDRR
		BDU, SU, Tanà, UBuea, USTHB	1st ASTAG Meeting	Expert/Advisor	2019/05/07	2019/05/08	4	20	Hilton Hotel, Nairobi (Kenya)	African Union Commission and UNDRR

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	International	MAK	Multi-country meeting on the Integrating refugees into national health systems: Enhancing equity and strengthening sustainable health services	Attendee	2019/04/29	2019/05/03	2	20	Beirut, Lebanon	American Univeristy in Beirut	
		USTHB	3rd GRAF expert meeting in Geneva.	Expert/Advisor	2019/03/04	2019/04/04	1	30	Geneva (Switzerland)	UNISDR	
<b>Meeting subtotal</b>							<b>12</b>	<b>126</b>			
<b>Technical engagement total</b>							<b>85</b>	<b>461</b>			