



PERIPERI U

PARTNERS ENHANCING RESILIENCE
FOR PEOPLE EXPOSED TO RISKS

Contact person:	Alberto Francioli
Mailing address:	Research Alliance for Disaster & Risk Reduction (RADAR) Stellenbosch University Private Bag X1 Matieland 7602 SOUTH AFRICA
Telephone:	+27 21 808 9401
Fax:	+27 21 882 9401
Email:	albertofrancioli@sun.ac.za

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CAPACITY DEVELOPMENT (PERIPERI U)

AGREEMENT AID-OFDA-G-16-00115

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

01 July – 30 September 2019

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GENERAL ACCRONYMS

3PA	Three-Pronged Approach
ARMS	African Risk Methods School
AUC	African Union Commission
BNGRC	Bureau National de Gestion des Risques et des Catastrophes
BSc	Bachelor of Science
CCA	Climate Change Adaptation
CPGU	Cellule de Prévention et Gestion des Urgences
CRA	Community Risk Assessment
CSIR	Council for Scientific and Industrial Research
DR	Disaster Risk
DRM	Disaster Risk Management
DRR	Disaster Risk Reduction
DRRS	Disaster Risk Reduction Science
FATHUM	Forecasts for Anticipatory Humanitarian Action
FbF	Forecast-based financing
GPDRR	Global Platform on Disaster Risk Reduction
GRAF	Global Risk Assessment Framework
GTPS	Social Protection thematic group
HEI	Higher Education Institution
ICSU IRDR	International Science Council Union Integrated Research on Disaster Risk
IDRR	Integrated Disaster Risk Reduction
IRD	Institute de Recherche pour le Developpement
MA	Master of Arts
MCTESTP	Ministry of Science and Technology, Higher Education and Technical Professional
MDRM	Master of Disaster Risk Management
MoU	Memorandum of Understanding
MPhil	Master of Philosophy
MRC	Medical Research Council
MSc	Master of Science
MSc. DRM	Master of Science in Disaster Risk Management
NADMO	National Disaster Management Organisation
OFDA	Office of U.S. Foreign Disaster Assistance
ORC	Online Resource Centre
PDF	Portable Document Format
PGDip	Post Graduate Diploma
PhD	Doctor of Philosophy
TCU	Tanzania Commission for Universities
UNICEF	United Nations Children's Fund
UNISDR	United Nations Office for Disaster Risk Reduction
USAID	United States Agency for International Development
WFP	World Food Program

PARTNER ACCRONYMS

ABU	Ahmadu Bello University, Nigeria
ARU	ARU University, Tanzania
BDU	Bahir Dar University, Ethiopia
UGB	Gaston Berger University, Senegal
Makerere	Makerere University, Uganda
Moi	Moi University, Kenya
Periperi U	Partners Enhancing Resilience for People Exposed to Risks
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 Technology – Houari Boumediene, Algeria

1. OVERVIEW

This report describes the progress of the Periperi U Consortium of Universities from 01 July - 31 September 2019, as required in terms of USAID Agreement AID-OFDA¹-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, 220 staff contributed to research, teaching, research and/or administrative activities across the consortium. 1 231 students were enrolled across 20 academic programmes, 16 modules and three courses across the 12 partner universities. Five short courses were hosted by three partners and attended by a total of 78 people. Periperi U partners also attended and engaged in 16 strategic and technical meetings held at international, regional, national and local levels, attended by an estimated 1144 people. Tables appended at the end of this report also provide details on activities undertaken by individual partners from 01 July - 30 September 2019.

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

As reported in the previous quarterly report, in May 2019, several Periperi U staff were selected 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 (see table 1 below).

¹ Office of U.S. Foreign Disaster Assistance (OFDA)

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

These staff attended a second three-day meeting of Af-STAG and AYAB-DRR in Addis Ababa Ethiopia between 16 - 18 and 19 - 21 September 2019 respectively. The event was a joint training workshop on DRR terminology, themes and governance, as well as meeting to discuss and deliberate on their constitution, action plans and strategic activities of each two groups until 2022. At the time of reporting, both groups are currently formulating their Sendai Framework Voluntary Commitments, which will be made publicly available on the United Nations Office for Disaster Risk Reduction (UNDRR) website²

During her visit to Mozambique to view the devastation caused by recent cyclones earlier in the year, Mami Mizutori, the director of UNDRR accompanied by Amjad Abbashar, Chief Office of UNDRR Regional Office for Africa. visited UDM to deliver a lecture on Implementation of Sendai Framework for Disaster Risk Reduction to **UDM** and Universidade Eduardo Mondlane students.

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

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

Overall consortium staffing remained largely unchanged from the previous quarter, with 220 teaching/research/ support staff (including 66 women, 30% of those engaged). However individual partners such as **UDM** saw a significant decrease in staff levels this quarter as they brought on no contributing staff, reducing their overall contingent from 17 to four. Conversely **Makerere** experienced an increase in staff from 33 to 43 staff. 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 the World Bank on two projects focused on enhancing DR related education, research and capacity building, which included;

1. Assisting to facilitate and teach into the 'Disaster Risk Finance Capacity Building Program for Africa' which was hosted in Stellenbosch South Africa between 2 - 6 September. The workshop was attended by 32 participants who included senior officials from Ministries of Finance from across the African continent.
2. 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).

² <https://sendaicommitments.unisdr.org/>

From 1 - 20 July 2019 **Makerere** collaborated with Boston University to implement a summer school titled “Humanitarian Engineering and Refugees Studies Design Solution for Health Challenges in Protracted Crises” in Kampala, Uganda. Students and staff from various fields, science, social science, psychology, biomedical engineering at Boston University interacted with Students from **Makerere’s** Undergraduate degree in Biomedical Engineering as well as their masters in Disaster management students. The school was 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.

Throughout the quarter, **SU** and **BDU** have been working together to organise a second African Risk Methods School (ARMS 2), which is being funded by UNESCO to be taught from 28 October – 1 November³. Throughout this quarter, partners have been establishing contract with UNESCO, organising travel and venue logistics and developing curriculum for the ARMS 2 courses. ARMS 2 will offer one compulsory two-day course on ‘Integrated Disaster Risk Reduction Science & Action’, then participants will have the option to attend one of two courses, either ‘Urban Geophysical Risks’ or ‘Urban Hydrological Risks’. Figure 2 provides a visual depiction of the layout of the courses.

Date	28 Oct	29 Oct	30 Oct	31 Oct	1 Nov
Course option 1	1: Integrated Disaster Risk Reduction Science & Action		2A: Urban Geophysical Risks		
Course option 2			2B: Urban Hydrological Risks		

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

Several partners are working together with the World Food Program to implement the Integrated Context Analysis (ICA) of the Three-Pronged Approach (3PA) in their respective countries. During this quarter, staff from several participating partners underwent training in order to be taught how to correctly and effectively implement the 3PA according to WFP standards. Two staff from **ARU** attended a practical training on the 3PA organized by **Makerere** University and the WFP country office from 12-16 August 2019 in Moroto district, Karamoja region in Uganda. Five staff from **Tanà** received GIS capacity building training with 10 other focal points of the WFP’s 3PA programme in Antananarivo.

Between 12 – 14 September, staff from **UDM** participated in the seminar on DesInventar Sendai with other DRR stakeholders from within Mozambique. The seminar included training on how on how to complete disaster tickets on the DesInventar Sendai database, an Information Management System that is a sustainable arrangement for the systematic collection, documentation and analysis of data about losses caused by disasters associated with natural hazards.

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, 1,231 students (including 432 women, 35.1% of those enrolled) were enrolled in 20 academic programmes and 16 modules across the 12 Periperi U universities. Most students are continuing their studies from the previous quarter, while **Makerere** saw 13 new students enter their Masters of Public Health, and **ABU** seeing 20 of their students graduating during this quarter.

³ <http://www.riskreductionafrica.org/events/african-risk-methods-school.html>

Developing and restructuring curricula

ARU has had the curriculum two of its Master of Science in Disaster Risk Management (MSc. DRM) and Master of Disaster Risk Management (MDRM) under review. Unfortunately, due to delays in the approval process and accreditation by the Tanzania Commission for Universities (TCU), the proposed master's curriculums under review will not be implemented for the 2019-2020 academic year. However, the original curriculum will be re-implemented for this upcoming academic year, with reviewed curriculum being rolled out for the 2020-2021 academic year.

The BDU staff have received approval from the university senate for the development of a new MSc course on 'livelihood and food security'. After receiving feedback from Periperi U Partners as well as by external academic reviewers at a curriculum workshop, **BDU** submitted their proposed PhD Curriculum on Disaster Risk Science for approval from the university's curriculum mandate committee. It is expected they will receive feedback from the committee in the next quarter.

Makerere held several meetings with university staff and greater stakeholders involved in DRR research and practice to review the curriculum for the Master of Public Health disaster Management. During this quarter, a revised curriculum was submitted to the academic board at Makerere university for approval before it is forwarded to the University Council for review and final approval.

UDM were successful in meeting the necessary criteria, 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 their course to be renewed for the 2020 academic year, thereby allowing it to be implemented for another two years before needing to be renewed again.

Internships and student funding

UBuea have been scouting for internship opportunities to place their master's students in the following quarter. During the internships, students are expected to develop research topics for their thesis as well as begin to undertake research whilst working.

3.4.2 Short Courses and Training

During this quarter, five short courses were implemented by the partners, three of which delivered by BDU. In total, 78 people attended these courses, of which 46.2% were women.

From 19 – 23 August **ABU** organized a workshop on DRR for 12 staff of the National Emergency Management Agency (NEMA), Abuja on the theme "Mainstreaming Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA) into Development Process".

Simultaneously, **ARU** in collaboration with WFP offices in Tanzania organized two 3PA training workshops at Vocational Education Training Authority (VETA), Dodoma. These two training workshops took place in Bahi and Kongwa Districts in Dodoma Region with 34 and 28 participants attending respectively. A second workshop was hosted in Dodoma City from 26-30 August 2019 involving 33 participants drawn from the government institutions working in the districts/city, community representatives from different socio-economic groups, Non-governmental institutions, private sector and religious institutions.

BDU conducted three one-week fire risk management training courses during this quarter. The first group was conducted for a group of 21 undergrad and postgraduate students, the second for local disaster management personnel in Bahir Dar, and the third group for safety officers of the East Africa Coca-Cola Bottling Company.

Moi were planning to run a short course on Community Based Disaster Risk Reduction (CBDRR) for the local administration - chiefs and sub chiefs in the region, however due to limited funds they were unable to host it.

UDM hosted a Workshop to provide a follow-up on flood forecasting to some hydro-meteorologists who participated in a 1-month placement at the University of Reading in July 2019. Participants from ARA-Sul (Regional Water Management institution) joined the group and found it useful. **UDM** had also planned a short course on Industrial Safety, however the course was cancelled due to insufficient number of applicants to warrant the cost of implementing it.

3.4.3 Risk research and Publications

PPU staff research and Publications

In September **ABU's** Centre for Disaster Risk Management and Development Studies launched their own Journal of Disaster Risk Reduction. Unfortunately, the ABU team did not provide any other information concerning the launch of this new journal.

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 their adapted version of the Three-Pronged Approach (3PA) to assess vulnerability and resilience within urban, displaced and refugee settings in their respective countries. **Makerere** are continuing to roll out the 3PA project to various urban and rural districts. This will include broader engagements to develop the capacity of district authorities to use the products of the 3PA process.

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.

Tanà concluded their 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 the previous quarter, **UBuea** set a team of water experts to in response to conduct an analysis for contamination and pollutants in Limbe Cameroon after an explosion that took place at a local oil refinery. During this quarter the results from the samples taken during the analysis showed no chemicals or pollutants from the accident which could have contaminated the local water sources and deemed there was no danger of hazardous pollutants.

Student Research

During this quarter over 348 student theses were being undertaken across the consortium. A brief illustrative list of student theses and research projects are available in table 9. On 21 September 165 Masters and PGD students from **ABU** participated in fieldwork among local communities examining their levels of vulnerability to hazards, analysing their resilience against disaster events as well as local Emergency Preparedness Response.

3.4.4 Community Outreach

UDM staff participated in a round table with UK HEIs and Mozambique DRM, Water Management and Meteorological institutions took place to assess local needs in terms of forecasts and showcase the possibilities of collaboration in the areas of hydrology and meteorology.

Between 17 – 19 July the **UG** Project Coordinator served as a consultant for National Disaster Management Organisation (NADMO) during this quarter, attending several community sensitization workshops in Accra Metropolis Ashaiman Municipality, Adenta Municipality and Ga East (Abokobi). UG estimates that these workshops reached over 1000 community members over the three days.

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

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 9 strategic and 18 technical engagements each with an estimated 530 and 614 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

3.5.1 International engagements

From 26 – 27 September Makerere staff attended and participated at the in a conference at Boston University (Boston, MA, USA) titled ‘The Role of the University in the Crisis of Forced Displacement: Ethics, Innovation and Immersive Learning’.

3.5.2 Continental/Regional engagements

On 11 July, **BDU** staff member and Af-STAG secretary attended a data collection workshop for the development of the Biennial on the programme of action for the implementation of the Sendai Framework for Disaster Risk Reduction (2015-2030) in Africa, organized by AUC in Mombasa, Kenya. From 12 – 26 August the same staff member also attended a ‘Seasonal Livelihoods Programming’ (SLP) learning session held in Moroto, Uganda by the WFP.

A staff member of **Tanà**, and member of the AYAB DRR was invited to participate in the ‘Southern Africa Region for the Data Collection Workshop’ for the bi-annual report on the programme of action for the implementation of the Sendai Framework for disaster risk reduction (2015-2030) in Africa.

From 14 – 16 September **UDM** hosted the Forecasts for Anticipatory Humanitarian Action Research Meeting (FATHUM) annual meeting. Representatives from **Makerere** and Redding University attended the event to showcase latest research and progress on the FATHUM project. The representative from the **SU** FATHUM research team was unfortunately unable to attend due to unforeseen circumstances.

3.5.3 National and local level engagements

On 2 September 2019, **ABU** staff was invited by NEMA to attend a meeting focussed on deliberating on how to mainstream the Nigerian Meteorological Institutes (NIMET) research and data on seasonal rain prediction into DRR.

From 21 – 23 August two **Tanà** staff members participated in a workshop organised by the Cellule de Prévention et Gestion des Urgences (CPGU)⁴. The meeting focused on updating the African Risk View software parameters by considering new data and new research results to establish the risk profile of drought in Madagascar.

On 29 August, **UBuea** assisted in hosting a technical meeting was held on “The design and enforcement of an earthquake building code and building regulations for the councils within the Mount Cameroon Area”. The meeting brought together 35 experts from the engineering, architectural, scientific, regional and local administrators to finalize and approve the designed building code for the region. It is expected that the building code will be officially launched in October 2019.

3.5.4 Periperi U Annual Consultative Meeting

Between 30 July – 2 August, **Tanà** hosted the Periperi U Annual Consultative Meeting (ACM) in Antananarivo Madagascar and attended by representatives of 11 of the Periperi partners.

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Unfortunately, the representative of ABU was unable to attend due to missing his flight to Madagascar.

The ACM was opened by the director of the **Tanà** team, as well as her Excellency Prof. Blanche Nirina Richard, the Minister of Higher Education, Scientific Research and Innovation of Madagascar. The ACM agenda was divided into three segments over four days; The first two days of the ACM were open to external stakeholders who were invited to learn more about the partners, identify synergies and discuss strategies and approaches that advance capacity building and skill development in the field of DRR. These first two days were attended by a number of high-level delegates and representatives from government departments, disaster risk related agencies and international and local NGOs based in Madagascar, showcasing the interest and commitment to disaster risk within the country.

The third day, the Periperi U partners went on a field excursion to the outskirts of Antananarivo to observe risks faced by local communities. The fourth and final day was reserved for internal consortium matters including reflections on the earlier external meetings, a report from each of the partners of their activities, accomplishments as well as discussing challenges and obstacles faced. The internal meeting also focussed on discussion concerning the final USAID close-out which is to be completed by end of November 2019.

4. SECRETARIAT REPORT

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 Periperi U ACM held between 30 July – 2 August 2019 in Antananarivo Madagascar. Preparations for the ACM 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 for ARMS 2 from 28 October – 1 November 2019

4.3 Periperi U Online Platforms

During this reporting period, the number of searches performed on the Online Resource Centre (ORC) increased between July and September from 377,898 to 507,163 searches. However, PDF views saw a slight decrease between July and September from 20,099 to 18,523 views. Overall, this quarter had 1,324,241 searches performed and 57,385 views, with an average of 14 393.9 searches and 623.8 PDF views per day respectively.

Month	July	August	September	Total
Searches performed	377,898	439,180	507,163	1,324,241
PDF views	20,099	18,763	18,523	57,385

In addition to the ORC, the secretariat continued to manage and update the www.riskreductionafrica.org website and its Facebook page to ensure a strong online presence. In January and February, the partners were called upon to review the website and provide updated information of their individual partner pages and academic activities where need be. 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

This reporting period took place when many of the partners were on their mid-year break or before the beginning of a new academic year so activities of most partners were more limited than in previous quarters

Both **Makerere** and **UG** stated that they have been experiencing challenges of their graduate students not completing their dissertations timeously, as well as not publishing their dissertation research projects in peer review journals. In response the partners have collaborated with their respective university administrations have been making efforts to organise writing workshops to enable students not only write their dissertations but also publish manuscripts in peer reviewed journals.

UBuea stated that due to limitations to funding for their academic programmes, there are contemplating whether to postponing the start of their second class of master's students for the upcoming year, instead waiting for the current class of Masters students (who began in January 2019) to complete the programme before admitting new students. In that case, all those who applied and will be admitted by the Admissions Board of the University, their admissions will be deferred to the 2020/2021 academic year.

Moi also cited limited funding as the cause for them to be unable to fund their proposed CRA short course programme and research projecting the county. They have been seeking alternatives from the public and private sector to assist with funding but with limited success. **UDM** had issues launching a proposed short course on Industrial Safety but was unable to implement it due to insufficient interest.

UDM also had similar issues concerning enrolments for students in their academic programmes, in which they one had one new student enrol in contrast with the expected 70 new students that had envisioned. **UDM** stated that the course was losing popularity at their university due to new courses focussed on engineering related to oil and gas exploration and refining launched at their university.

6. HIGHLIGHTS AND PLANS GOING FORWARD

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

- **Makerere** will hold the short course on 'Public Health in Complex Emergencies' which is expected to run between 4 – 9 November in Kampala, with participants coming from across the continent to attend.
- **SU** and **BDU** in cooperation with UNESCO will implement the second African Risk Methods School (ARMS) from 28 October – 1 November in Addis Ababa, Ethiopia
- **USTHB** will participate in the National delegation for Major Risks and the UNDRR Arab Bureau in Cairo in Algiers to discuss the elaboration of the Algerian National Strategy for DRR.
- Several partners will see the end of their academic year with exams and graduations taking place.

7. APPENDICES

Table 1: Summary table of Partner activities between 01 July - 30 September 2019

Summary table				
Detail	No of...	No of students / participants		
		M	F	Tot
Staff				
Periperi U Faculty		71	27	98
Contributing staff - internal to the university		61	31	92
Contributing staff - external to the university		22	8	30
Staff total		154	66	220
Academic Programmes/modules				
Programmes	20	719	372	1091
Modules	16	80	60	140
Academic Programmes/modules total	36	799	432	1231
Student Theses				
PGDip (ABU)	13			
Honours (SU and UDM)	8			
Masters	305			
PhD	22			
Student theses total	348			
Short Courses				
Short Courses	5	42	36	78
Short courses total	5	42	36	78
Engagements				
Technical	18			614
Strategic	9			530
Engagements total	27			1144
Publications and Research				
Publications	0			
Research (ongoing)	17			
Publications and Research total	17			
Outreach				
Engaged citizenship	1			1000+
Engaged teaching and learning	1			37
Outreach total	2			1037+

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Table 2: Composition of partners between 01 July - 30 September 2019

	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	-	-	0	2	28	30
ARU	1	6	7	1	4	5	3	3	6	5	13	18
BDU	4	24	28	-	-	0	-	-	0	4	24	28
GBU	1	14	15	3	4	7	-	7	7	4	25	29
Ghana	-	4	4	1	1	2	1	1	2	2	6	8
Makerere	1	2	3	17	21	38	-	2	2	18	25	43
Moi	7	-	7	-	-	0	1	3	4	8	3	11
SU	6	3	9	-	-	0	-	-	0	6	3	9
Tanà	2	5	7	5	5	10	-	-	0	7	10	17
UBUEA	2	3	5	-	1	1	2	-	2	4	4	8
UDM	1	3	4	-	-	0	-	-	0	1	3	4
USTHB	2	3	5	2	1	3	1	6	7	5	10	15
Total	27	71	98	31	61	92	8	22	30	66	154	220

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Table 3: Academic Programmes and student numbers between 01 July - 30 September 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	-	-	-	28	11	39	1	-	1	-	-	-	29	11	40
	DRM and Development Studies (2018-2019)	PGDip	-	-	-	15	8	23	-	-	-	-	-	-	15	8	23
	DRM and Development Studies (2017-2018)	MA	-	-	-	124	32	156	13	7	20	-	-	-	137	39	176
	DRM and Development Studies (2018-2019)	MA	-	-	-	118	24	142	-	-	-	-	-	-	118	24	142
	DRM and Development Studies (2017-2019)	MSc	-	-	-	23	4	27	-	-	-	-	-	-	23	4	27
	DRM and Development Studies (2018-2020)	MSc	-	-	-	19	5	24	-	-	-	-	-	-	19	5	24
	DRM and Development Studies (2017-2018)	MPhil	-	-	-	27	4	31	-	-	-	-	-	-	27	4	31
	DRM and Development Studies (2018-2019)	MPhil	-	-	-	10	4	14	-	-	-	-	-	-	10	4	14
	DRM and Development Studies (2017-2019)	PhD	-	-	-	2	-	2	-	-	-	-	-	-	2	-	2
ABU Subtotal					-	366	92	458	14	7	21	-	-	-	380	99	479
ARU	Master of DRM (2016-2018)	Masters	-	-	-	5	2	7	-	-	-	-	-	-	5	2	7
	Master of DRM (2017-2019)	Masters	-	-	-	3	1	4	-	-	-	-	-	-	3	1	4
	Master of DRM (2018-2020)	Masters	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
	Master of Science in DRM (2016-2018)	MSc.	-	-	-		4	4	-	-	-	-	-	-	-	4	4
	Master of Science in DRM (2017-2019)	MSc.	-	-	-	3	2	5	-	-	-	-	-	-	3	2	5
	Master of Science in DRM (2018-2020)	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
ARU Subtotal			-	-	-	16	12	28	-	-	-	-	-	-	16	12	28
BDU	DRM & Sustainable Development (2016-2019)	BSc	-	-	-	-	2	2	-	-	-	-	-	-	-	2	2

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	DRM & Sustainable Development (2017-2020)	BSc	-	-	-	17	17	34	-	-	-	-	-	-	17	17	34
	DRM & Sustainable Development (2018-2021)	BSc	-	-	-	19	15	34	-	-	-	-	-	-	19	15	34
	DRM & Sustainable Development (2016-2018)	MSc	-	-	-	1	1	2	-	-	-	-	-	-	1	1	2
	DRM & Sustainable Development (2017-2019)	MSc	-	-	-	3	1	4	-	-	-	-	-	-	3	1	4
	DRM & Sustainable Development (2018-2020)	MSc	-	-	-	13	3	16	-	-	-	-	-	-	13	3	16
	DRM & Sustainable Development (Dire Dawa)	MSc	-	-	-	17	-	17	-	-	-	-	-	-	17	-	17
	Climate Change & Development (2017-2019)	MSc	-	-	-	1	1	2	-	-	-	-	-	-	1	1	2
	Climate Change & Development (2018-2020)	MSc	-	-	-	8	1	9	-	-	-	-	-	-	8	1	9
BDU Subtotal			-	-	-	79	41	120	-	-	-	-	-	-	79	41	120
GBU	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
GBU Subtotal						61	24	85	-	-	-	-	-	-	61	24	85
Makerere	Masters of Public Health DM II (2019-2020)	Masters	10	3	13	-	-	-	-	-	-	-	-	-	10	3	13
	Masters of Public Health DM II (2018-2019)	Masters	-	-	-	3	2	5	-	-	-	-	-	-	3	2	5
Makerere Subtotal			10	3	13	3	2	5	-	-	-	-	-	-	13	5	18
SU	DR Science and Development (2017-2018)	MPhil	-	-	-	-	2	2	-	-	-	-	-	-	-	2	2
	DR Science and Development (2018-2019)	MPhil	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
	DR Science and Development (2019-2020)	MPhil	-	-	-	3	2	5	-	-	-	-	-	-	3	2	5
SU Subtotal			-	-	-	3	5	8	-	-	-	-	-	-	3	5	8

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Tanà	DMGRC (2019-2020)	MPhil	-	-	-	22	13	35	-	-	-	-	-	-	22	13	35
Tana Subtotal			-	-	-	22	13	35	-	-	-	-	-	-	22	13	35
UBuea	MSc DRM	MSc				8	9	17							8	9	17
UBuea Subtotal			-	-	-	8	9	17	-	-	-	-	-	-	8	9	17
UDM	Environmental Engineering and Disaster Management (2017-ongoing)	BSc	-	-	-	4	2	6	-	-	-	-	-	-	4	2	6
	Environmental Engineering and Disaster Management (since 2008)	BSc	-	-	-	34	91	125	-	-	-	-	-	-	34	91	125
	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
UDM Subtotal			-	-	-	62	118	180	-	-	-	-	-	-	62	118	180
USTHB	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
USTHB Subtotal			-	-	-	75	46	121	-	-	-	-	-	-	75	46	121
Total			10	3	13	695	362	1057	14	7	21	-	-	-	719	372	1091

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Table 4: Academic modules and student numbers between 01 July - 30 September 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		
Makerere	MDM 7101: Public Health and Disasters	MSC	12/08/2019	16/08/2019													
	MDM 7102: Legal and Human Rights Issues in Disaster Situations	MSC	19/08/2019	23/08/2019	1	3	13								1	3	13
	MDM: 7103: Disaster Risk Reduction and Preparedness	MSC	26/08/2019	30/08/2019													
	MPH 7102: Applied Epidemiology	MSC	16/09/2019	27/09/2019													
	MDM 8101: Monitoring and Evaluation in Disaster Situations	MSC	23/09/2019	03/10/2019	3	2	5								3	2	5
	MDM 8102: Post Disaster Recovery and Rehabilitation	MSC	19/08/2019	30/08/2019													
Makerere Subtotal					13	5	18	-	-	-	-	-	-	13	5	18	
UBuea	ENV 312	BSc	01/10/2017	01/10/2020				15	14	29	1	1	2	16	15	31	
	ENV 610	MSc	01/10/2018	01/10/2020				7	8	15				7	8	15	
	ENV 710	PhD	01/10/2018	01/10/2020				8	9	17				8	9	17	
	DRM 602, 604, 608, 612, 614	MSc	01/10/2018	01/10/2021				6	6	12				6	6	12	
Tana Subtotal					-	-	-	36	37	73	1	1	2	37	38	75	
UG	GEOG 443: Theories and Analytical Methods for Integrated DRR	BA/BSc	15/08/2019	31/12/2019	20	12	32							20	12	32	
	GEOG 645: Concepts and Methods in Advanced Integrated DRR	MA/Mphil	15/08/2019	31/12/2019	3	2	5	7	3	10				10	5	15	
USTHB Subtotal					23	14	37	7	3	10	-	-	-	30	17	47	
Total					36	19	55	43	40	83	1	1	2	80	60	140	

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Table 5 Short courses between 01 July - 30 September 2019

Institution	Title	Theme	Start Date	End Date	Participants		
					M	F	Tot
ABU	Training Workshop for NEMA Staff	Mainstreaming DRR and CCA into Development Process	19/09/2019	23/09/2019	4	8	12
BDU	Fire Risk Management	Fire Risk Management	8/08/2019	12/08/2019	8	13	21
BDU	Fire Risk Management	Fire Risk Management	15/07/2019	19/07/2019	20	4	24
BDU	TOT on fire risk management	Fire Risk Management	26/08/2019	06/09/2019	9	1	10
UDM	GloFAS	Hydrology, Meteorology	23/08/2019	25/09/2019	1	10	11
Total					42	36	

Table 6 Illustrative partner research and publication outputs produced between 01 July - 30 September 2019

Institution	Output Type	Thesis Author	Title
ABU	Case study	Kiunsi, R., Kassenga, G.; Malele B.; Uhinga, G.; Mgendi, M., Chacha A; Msumba, J; Chipatta, L.; Kayemamu, R.; and Pascal, S.	Implementation of a participatory risk and vulnerability assessment for communities around Kizinga River catchment area in Temeke Municipality
Ardhi	Case study	Sabai, S. & Jonas, G.	Assessment of potential occurrence of disaster due to mis-management of waste water from hospitals: The case of Dar es Salaam and Pwani.
		Burra, M. & Mr. Mswani, L.	Integrating settlement improvement and community coping strategies for flood risks in informal settlements: The case of Kigogo in Kinondoni municipality;
TANA	Conference proceedings	Razafimanantsoa, M., Razanakoto, T., Ratsimbazafy, R., & Randrianaalijaona, M.	“Lien entre protection sociale et réduction de la vulnérabilité de la population face aux risques naturels: cas du district de Betafo” (Roles of social protection in reducing population’s vulnerability to natural hazard: the case of Betafo district)
		Andrianjakatina, A., Ralitera, J., Salava, J. & Randrianalijaona, M.	“Gouvernance des inondations à Antananarivo: la résilience territoriale en question.” (The governance of inundation in Antananarivo: questioning the territory resilience)
		Randriamanampisoa, H., Randriamparany, S., Razanakoto, T. & Lazamanana, P.	“Les rôles des services de microfinance pour le renforcement de la résilience des ménages: Étude de cas d’un village à l’Est de Madagascar face à un aléa naturel” (Roles of microfinance in enhancing households’ resilience to a natural hazard: a case study of a village in the eastern part of Madagascar)
UBuea	Journal article	Sanga, A.B., Melisa, B., Yetoh, F.W., Banseka, H.S., & Ayonghe, S.N.	Major ions, δD , $\delta^{18}O$ and microbial characterization of drinking water sources along the West Coast of Cameroon
UG	Research report	Alhassan, O.	Risk profiles of uncompleted home care-taker households in Adenta Municipality

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Table 7 Illustrative table of student theses and research between 01 July - 30 September 2019

Institution	Output Type	Thesis Author	Title
ABU	MPhil	Shamsudeen Abdulkareem	Disaster Preparedness of Private Secondary Schools in Kaduna North LGA, Kaduna Nigeria
Ardhi	PhD	Rugai Dionis	Combined hydrological and hydrodynamic modelling in uncertain and data scarce areas for flood hazard assessment: A case of Wami/Ruvu Basin in Tanzania
BDU	Masters	Kidist Anbase	Vulnerability of Women's Due to Conflict in Relation to Socio-economic Factor the Case of MiessoWoreda Western Hararghe Zone Oromia Regional State Ethiopia
GBU	MSc	Coumba Diop	Women's empowerment and food security
Makerere	Masters	Fred Kamugisha	Food security among south Sudanese refugee households in a protracted situation in rhino camp settlement, Arua district
SU	Honours	J Peterson	A comparative analysis of household fire risk and preparedness in the area of Athlone, Western Cape
TANA	PhD	Aina Sylvania Andrianjakatina	Social protection is a sure way to improve the resilience of the rural population in a developing country like Madagascar
UDM	BSc.	Silva Guimarães Cossa	Risk Analysis in Handling of Detergent Powder Products - Case Study: Unilever Mozambique
UG	Masters	Rebecca A. Narh	Climate change, agriculture and vulnerability analysis in the Accra plains. A case study of Ada
USTHB	PhD	Rania Souici	Contribution to the seismic analysis of structures by the performance-based approach

Table 8 Outreach conducted by partners between 01 July - 30 September 2019

Type of outreach	Institution	Description of activities	Date	Collaboration partners	No of participants
Engaged teaching and learning	UDM	Roundtable on Ciclones Idai and Kenneth	2019/09/20	UoR, UoBristol, Oxford, UDM, DNGRH, INGC, INAM, ARA-Sul	37
Engaged citizenship	UG	Sensitization workshops in Accra Metropolis, Ashaiman Municipality, Adenta Municipality and Ga East (Abokobi)	17, 18, and 19 July 2019	NADMO, Municipal Assemblies, Communities and Researchers	4 staff/students 1000+ participants

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Table 9 Strategic Engagements conducted by partners between 01 July - 30 September 2019

Type	Level	Institution	Title/Details	Role	Start Date	End Date	No. of Periperi U participants	No of participants	Location	Hosts
Meeting	Local	ABU	Mainstreaming NIMET Seasonal Rain prediction into DRR	Session Chair	04/09/2019	04/09/2019			NEMA, Abuja, Nigeria	National Emergency Management Agency, Abuja
		UBuea	Expert committee meeting to design a building code for the seismically active region of Mount Cameroon	Host	03/07/2019	03/07/2019	7	30	Buea, Cameroon	University of Buea
		UDM	Lecture by the Special Representative of the UN SG for DRR	Host	12/09/2019	12/09/2019	110	115	UDM, Maputo, Mozambique	UNSDRR, Nairobi, Kenya
	Continental	All Periperi U Partners	Peri Peri U Annual Consultative Meeting (internal)	Presenter/Host	29/07/2019	01/08/2019	15	15	Madagascar	University of Antananarivo
		All Periperi U Partners	Peri Peri U Annual Consultative Meeting (external public) (Risk Prevention and Resilience in Madagascar)	Presenter/Host	30/07/2019	31/07/2019	15	67	Madagascar	University of Antananarivo
	International	Mak and UDM	Forecasts for Anticipatory Humanitarian Action research Meeting (FATHUM) - annual meeting	Attendee Host (UDM)	14/08/2019	16/08/2019	9	24	Maputo, Mozambique	UDM
		UDM	II International Symposium on Complex Risks	Host	16/09/2019	16/09/2019	5	82	UDM, Maputo	CEI, UDM, Maputo
Meeting subtotal							146	318		
Conference	International	Mak	The Role of the University in the Crisis of Forced Displacement: Ethics, Innovation and Immersive Learning	Session chair	26/08/2019	27/08/2019	2	30	Boston, USA	Boston University

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		UDM	2 nd Africa Regional Dialogue Platform on FbF	Attendee	17/09/2019	21/09/2019	2	500	Polana Hotel, Mozambique	CVM, GRC, IFRC, WFP and the Red Cross/Red Crescent Climate Centre
Conference subtotal							4	530		
Strategic engagement total							150	848		

Table 10 Technical Engagements conducted by partners between 01 July - 30 September 2019

Type	Level	Institution	Title	Role	Start Date	End Date	No. of Periperi U participants	No of participants	Location	Host
Meeting	Local	UBuea	The design and enforcement of an earthquake building code and building regulations for the councils within the Mount Cameroon Area	Host	29/08/2019	29/08/2019	7	35	Buea, Cameroon	University of Buea
Meeting subtotal							7	35		
Workshop	National	UDM	Workshop on DESINVENTAR Sendai	Attendee	12/09/2019	14/09/2019	1	47	Cardoso Hotel, Maputo	UNDRR, Nairobi
		Tanà	Atelier de travail sur la revue de la personnaliation et mise à jour des paramètres techniques du logiciel Africa Risk view	Attendee	21/08/2019	23/08/2019	2	25	Antananarivo	CPGU
			BNGRC activities validation Workshop	Attendee	23/08/2019	26/08/2019	2	80	Antananarivo	BNGRC

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Regional	BDU		Data collection workshop for the development of the BI-ENNIAL on the programme of action for the implementation of the Sendai Framework for Disaster Risk Reduction(2015-2030) in Africa	Expert/Advisor	11/07/2019	13/07/2019	1	25	Moroto	AUC
			DRR Orientation workshop	Expert/Advisor	16/09/2019	01/08/2019	1	21	Addis Ababa	AUC,UNDRR
			SLP	Expert/Advisor	12/08/2019	08/08/2019	1	42	Uganda	WFP
			SLP	Expert/Advisor	02/08/2019	09/08/2019	6	52	Ethiopia	WFP
	Tanà	Data collection workshop for the bi-ennial report on the programme of action for the implementation of the Sendai Framework for disaster risk reduction (2015-2030) in Africa	Attendee	07/08/2019	09/08/2019	1	35	South Africa	SADC/AUC	
Workshop subtotal							15	327		
Training	Local	Tanà	GIS capacity building	Co-sponsor	16/09/2019	19/09/2019	6	16	BNGRC	WFP-CERED
	Sub-national	Ardhi	Three - Prolonged Approach (3PA) training workshops for Mototo District in Karamoja Region, Uganda.	Attendee	12/08/2019	16/08/2019	2	50	Moroto, Karamoja Uganda	WFP Uganda
	Sub-national		Three - Prolonged Approach (3PA) training workshops for Kongwa and Bahi Districts in Dodoma Region.	Facilitator	19/08/2019	23/08/2019	6	62	Vocational Education Training Authority (VETA), Dodoma	WFP Tanzania
	Sub-national		Three - Prolonged Approach (3PA) training workshops for Dodoma City in Dodoma Region.	Facilitator	26/08/2019	30/08/2019	6	33	Vocational Education Training Authority	WFP Tanzania

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									(VETA), Dodoma	
Regional	Tanà	Training workshop on DRR for AfTAG and AYAB member	Attendee	16/09/2019	18/09/2019	1	14	Ethiopia	UNDRR/AUC	
		Training workshop on DRR for AfTAG and AYAB member	Attendee	19/09/2019	21/09/2019	1	15	Ethiopia	UNDRR/AUC	
Inter-national	Mak	Humanitarian Engineering and Refugees Studies Design Solution for Health Challenges in Protracted Crises	Host	01/07/2019	20/07/2019	5	35	Kampala, Uganda	Makerere University School of Public Health	
	UDM	Review of the Nutritious orange-fleshed Sweet Potato Project in Mozambique implemented by the International Potato Centre (CIP)	Attendee	20/06/2019	Ongoing	3		Inhambane and Niassa	CIP, Irish Embassy	
Meeting subtotal						30	225			
Observational Study Tour	Sub-national	UDM	Visit to Macarretane Dam at Limpopo River	Co-sponsor	15/09/2019	15/09/2019	8	27	Gaza Province, Mozambique	UDM
Technical engagement total						60	614			