



**IRDR for Risk Education and Learning (IRDR ICoE-REaL)
Reporting to IRDR Science Committee and Co-Sponsoring Organisations**

13th IRDR SC Meeting
Qingdao, Shandong Province, China
1-3 June 2015

Background

This report reflects activities by staff and students of the Periperi U consortium which includes the eleven universities listed in Table 1 (NB these abbreviations are used throughout this report).

Abbreviation	University	Location
ABU	Amadu Bello University,	Zaria, Nigeria
BDU	Bahir Dar University	Bahir Dar, Ethiopia
Ardhi	Disaster Management Training Centre (DMTC), Ardhi University	Dar Es Salaam, Tanzania
GBU	Gaston-Berger University	St Louis, Senegal
Makerere	Makerere University	Kampala, Uganda
Moi	Moi University	Eldoret, Kenya
SU/RADAR	Research Alliance for Disaster and Risk Reduction (RADAR), Stellenbosch University	Stellenbosch, South Africa
Tanà	University of Antananarivo	Antananarivo, Madagascar
UDM	Universidade Técnica de Moçambique	Maputo, Moçambique
UG	University of Ghana	Accra, Ghana
USTHB	Built Environment Research Laboratory, University of Science and Technology Houari Boumediene	Algiers, Algeria

1. Activities in reporting period (October 2014 to June 2015)

As the IRDR REaL operates at both university and consortium scales, it implements wide-ranging risk-related teaching/learning and integrated risk research activities. Given the potential scope of engagement in risk education and learning, the Periperi U partnership (that hosts the ICoE REaL) will be better placed to sharpen its ICoE REaL focus following feedback from an independent summative evaluation of the consortium's work (to be completed by July 2015).

The report below illustrates the breadth and depth of potential ICoE REaL activities, drawing on accomplishments from October 2014-June 2015.

1.1 Disaster-risk related training and short courses

Crucial to Periperi U's work are complementary thrusts to strengthen local capacity to manage contextually relevant disaster risks and to co-produce risk knowledge. One strategy towards these outcomes is through short-course processes that enable partners to work closely with a wide range of local stake-holders. From October 2014 - May 2015, five Periperi U partners (Ardhi, BDU, Tanà, USTHB and UG) ran 13 short courses, reaching 460 participants. These included *Disaster Risk Reduction for journalists* (USTHB), *Initiation aux concepts de Gestion / Réduction des Risques et des Catastrophes et le Développement* (Tanà), *Community Information Base for Environmental Health Management (EHM) and DRR* (UG) and *Health and Food Security Related to Flood Risks* (GBU). Specifically:

- **Tanà's** successful implementation of 4 short courses in 4 of Madagascar's 22 administrative regions in November 2014 reached approximately 100 participants in local authorities. This provided a platform for Tanà to reach more people as well as share more risk knowledge at local level.
- **USTHB** ran short courses in *Disaster Risk Reduction* (15-17 February 2015) and *GIS for Disaster Risk Management* (1-5 March 2015). These sessions provided opportunities for the Algerian Hazard Network and the NAGET Network (North African Group for Earthquake and Tsunamis)¹ to disseminate information on the impact of major risks in Algeria during the 20th Century and historical seismicity in the Maghreb Region.
- The **UG** ran two short courses from 12-22 January 2015 - *Community based information for environmental health and DRR* (32 participants), and *Strategies for community resilience building in urban Ghana* (29 attendees). Course participants included students, frontline disaster management staff, and community development facilitators.
- Although **BDU** did not offer a Disaster Risk focused short courses, it ran two courses in thesis writing capacity development (*Data Development, Management and Analysis Using STATA and Statistics and SPSS software training*) for MSc students and staff members.
- **GBU**, from 20-24 April 2015, conducted a course on *Health and Food Security related to Flood Risks*, reaching 37 district councillors and community leaders, MSc students and others to strengthen capacities for grassroots-led risk reduction and management.
- **Ardhi's DMTC** conducted a tailor-made course on *Locating and Mapping of Critical Infrastructure and Incidents* (16 May) for 18 police officers of the Tanzanian Police Force.

4 additional courses are planned between May-June 2015, including offerings at Ardhi, Tana and SU/RADAR. Ardhi has customised disaster risk-related courses for two local authorities (Mkuranga District Council and Kibaha Town Authority), while **RADAR** will offer its *Community Risk Assessment: Focus on informal settlements* course from 29 June-3 July. The latter will incorporate fieldwork in Wallacedene, an informal housing settlement in Kraaifontein, Cape Town.

¹ See section 2.5.1 for a description of the networks.

Details of short courses run from October 2014 – June 2015 are reflected in the appendices in Table A2.

1.2 Coverage by undergraduate and post-graduate disaster risk programmes

In the first half of 2015, more than 560 under- and post-graduate students were enrolled in disaster-related academic programmes at nine Periperi U universities. These included 189 undergraduate and 252 post-graduate students, as well as 22 students registered for disaster risk-related PhDs. However, there was great diversity across the consortium, with some programmes advancing at pace, while others face internal obstacles in introducing new, cross-disciplinary disaster risk-related courses.

ABU offers two disaster-risk related programmes over four academic sessions. At the University's last Governing Board meeting, the Director of the Centre for Disaster Risk Management and Development Studies highlighted his intent to expand its academic programme. His proposals included the introduction of Professional Masters, MPhil and PhD degrees in Disaster Management. The MPhil would serve as a bridge between the Professional Masters in Disaster Management and the PhD.

Ardhi's two postgraduate programmes (Master of Disaster Risk Management (MDRM) and Master of Science in Disaster Risk Management (MSc DRM) continued during this reporting period. Evidence of growing credibility of these courses is indicated by rising admissions, with three of 20 admitted students from Cameroon.

At **BDU**, the Department of Disaster Risk Management and Sustainable Development is planning to undertake a curriculum review of its undergraduate programme, with co-funding from UNDP. In addition, the MSc in DRM and Sustainable Development is currently under great demand, with many applicants employed as senior experts in government (for example the State Minister for DRM). There is evidence of increasing risk research capacity, with a growing number of MSc papers derived from theses submitted for peer review in scientific journals.

Following requests from the Government (Disaster Risk Management and Food Security Sector (DRMFSS)) and MSc graduates in 2011 to launch a PhD in DRM, the department is in the process of discussion/development a Sandwich PhD Curriculum². This curriculum is now being considered. In light of this request/initiative the number of professorships and experts as well as publications in the department must increase, which the department will now need to start planning towards.

In January 2015, **Gaston Berger University** introduced its francophonic MSc in *Disaster Risk Prevention and Management for Food Security*. The first cohort comprises 34 students, of whom 13 are professionals supported by their employers, 8 are female and 1 is an international student from Mauritania. As the university is equipped with a virtual conference centre, professionals whose work responsibilities preclude their physically attending classes are supported through e-learning.

UDM's MSc course (that integrates Education, Development and Disaster Risk Reduction) is concluding with most students having reached their thesis development stage. However, language has emerged as a barrier for most students completing their theses, as UDM/Mozambique is primarily Portuguese speaking. Unfortunately, students must write full theses in English (which is not their first language) due to limited numbers of academics qualified to externally examine the theses in Portuguese. The next cohort of MSc students is expected to start in August 2015.

² First, PhD students pursue a two years PhD education and training programme at BDU (their home university) followed by a two years programme in abroad where the thesis will be completed.

Makerere's *Masters in Public Health and Disaster Management* course commenced in September 2014, eleven graduate students enrolling. Of these, 1 is international (Malawian) and 3 are female. The School of Public Health received co-funding for this course, with all students' fees covered. The WHO also supports teaching components to the modules.

USTHB commenced planning the development of its integrated M-degree in Engineering and Risk Management. It will host a workshop to develop the curriculum – a process supported by the university's Vice-President (Professor Fawzia Mekideche-Chafa) who will invite subject experts for their advice.

UG continues to run existing course modules in DRR, one each at the undergraduate and graduate levels. For the period January-March 2015 which coincides with the second semester of the 2014/2015 academic year, one undergraduate course module was offered with 10 participating students. The other course module is offered at the graduate level with 9 students participating. Five Master of Philosophy students submitted their completed theses to the Graduate School. One PhD student defended his thesis on *Hazards and vulnerability mapping for adaptation to climate risks in savannah ecosystems: A case study of the Volta Basin, Ghana*.

Table A3 in the appendices lists the academic programme enrolment and graduation from 1 January-31 March 2015. Table A5 provides a list of postgraduate thesis titles that illustrate the diversity of risk topics being actively researched through the partnership's academic programmes.

1.3 Generation of applied, integrated disaster research

At **SU**, the team is currently concluding its second multi-year study of severe weather events in the Western Cape of South Africa. In addition to established methods in severe weather event analysis (eg meteorology and financial loss estimation), the study has included a deliberate social media analytic component. With specific attention on Twitter data, the research was able to determine peaks in Twitter traffic and their temporal association with both hydrometeorological data and response reports. SU also commenced a three-country research project on urban resilience, commissioned by ActionAid (Senegal, Zimbabwe and the Gambia).

Ardhi advertised its final round of applied minor research grants. 17 research proposals (13 from students and 4 from academic staff) were received, with the evaluation/selection process of seven funding proposals initiated during this reporting period.

Details of research projects across the consortium are provided in Table A3 and A4 in the appendices.

1.4 Mobilisation of engaged scholarship to advance (sub) national disaster risk reduction

As with short courses, Periperi U views engaged scholarship with other partners as crucial to the advancement of knowledge and practice in the disaster risk domain.

Examples of partner interventions from October 2014-June 2015:

ABU is currently developing a National Plan on Public Awareness in Disaster Risk Reduction for the *National Emergency Management Agency* of Nigeria. This project is co-sponsored by the UNDP.

Tanà's successful implementation of 4 short courses in 4 of Madagascar's 22 administrative regions unlocked scope for discussions with the head of the *National Bureau of Disaster and Risk Management* in Madagascar. This led to a request for the University of Antananarivo to offer technical advisory services in developing a more comprehensive DRM governmental unit for Madagascar. It is envisioned to support government intervention to move from established disaster response activities to more integrated multisectoral, transdisciplinary and multistakeholder DRR

policies and plans. Specifically, Tanà will begin by identifying divisions that need to put in place and relating TORs as well as advising the kind of activities that are needed for implementing an integrated DRR policy and plan in relation to the national DRR policy and strategy.

In February 2015, Tanà and the Initiative Commune pour le Plaidoyer de l'intégration de la réduction des risques de catastrophes à Madagascar (ICPM) which is a DIPECHO funded project, signed an addendum to an MoU to extend their collaboration with a new research project aiming at providing a tool for assessing and describing community resilience.

USTHB established two risk-related networks, specifically, the *Algerian Hazards Network (AHNet) and the NAGET (North African Group for Earthquake and Tsunamis)*. The AHNet is a forum to link Algerian scientists in the domain of natural hazards and coordinate research and also serves as an advisory board for the General Directorate for Research and Technological Development in terms of disaster risk management (link: www.ahnet.dz). NAGET is partially supported by the International Centre for Theoretical Physics (ICTP) in Trieste (Italy) which constitutes a forum and a link between the scientists on North African Countries working in the domains of earthquakes and tsunamis (<http://naget.ictp.it>).

USTHB is also finalising an MoU with the *National Delegation for Major Risks* to give disaster risk-related capacity building for the risk management / reduction officials in all 48 provinces. USTHB aims to be actively involved in reviewing risk legislation through the Ministry of Interior.

UG is involved in *Learning from the Community of Sabon Zongo* an on-going initiative on Water, Sanitation and Hygiene (WASH) for community schools. Following an official invitation from the Janok Foundation, UG was represented in a stakeholder collaborative meeting from 6-7 February 2015.

At **BDU**, the Internship Programme continued to grow with USAID Ethiopia to sponsor undergraduate students from the Department of Disaster Risk Management and Sustainable Development to work at the *Government of Ethiopia (GoE) Disaster Risk Management and Food Security Sector (DRMFSS)*. This was reflected by the increase in budget and associated increase in participants from 20 to 40. This programme has been recognised by the State Minister, who sees it as an initiative that supports and is aligned with the government's DRR programmes and agenda.

Also at BDU, undergraduate students, in cooperation with public institutions, have started urban risk assessment to raise awareness about waste management practices and activities. This is now forming part of the service learning component at BDU.

UDM is continuing its collaboration with the *Ministry of Health, National Directorate for Public Health on Ebola prevention*. It has also established collaborations with the Universidade de Campinas in Brazil, in the field of Bioenergy.

1.5 Summative Periperi U evaluation

As noted in its 2013-2014 Annual Report (<http://www.riskreductionafrica.org/periperi-u-201314-annual-report-released/>), Periperi U is undergoing a comprehensive summative evaluation, scheduled to conclude by 1 July 2015. This has constituted a major consortium activity, with the evaluation team's site visits to SU, Tana, BDU, UG and USTHB between November 2014 and March 2015. The team collected an extensive sweep of data, including information from eleven national consultant/researcher reports. The evaluation team also compiled relevant information on publications and stakeholders. It tested and triangulated findings through an independent survey sent to the partners in February and compiled impact information from stakeholders (such as students and donors). Professor Ofir shared preliminary findings with Periperi U consortium members in Sendai on 19 March 2015. This presentation gave the evaluation team an opportunity to

test its findings and ideas towards recommendations, and also to clarify outstanding issues. The draft evaluation report is to be submitted in June 2015.

1.6 Illustrative strategic engagements (excluding the WCDRR)

All eleven of the consortium partners have been involved in different types of strategic engagements these include presentations at, hosting of and attendance to 12 conferences, as well as completion of 2 exchange visits and participation in 9 workshops/meetings. The range and scale of these engagements is extensive, cutting across diverse risk and humanitarian action concerns, stretching from local to global participation.

Details of these diverse engagements are reflected in Table A1 in the appendices.

2. Planned activities (2015/2016)

The Periperi U partnership came under significant pressure in preparations for the WCDRR. Consortium members are aware that a focused emphasis needs to be developed for its ICoE Real activities. However, the partnership is awaiting detailed feedback from the evaluation to assist in defining its action areas for its ICoE work. Moreover, as Periperi U is in the final nine months of its current USAID award, that will conclude in March 2016, the specific IRDR focus for its post-March 2016 actions will be incorporated into follow-on proposals (now under development).

Specific activities to March 2016 include the following:

June – September 2015:	Finalisation of summative evaluation and exploration of future funding options.
October 2015:	Periperi U annual consultative meeting at Bahir Dar University (includes focused discussion on IRDR scope of work)
November 2015:	IRDR Science Committee meeting at SU
December 2015:	Preparatory work on USAID proposal. Partner expenditures on current USAID award conclude (except SU)
January-February 2015:	Submission of three-year USAID proposal
March 2015:	Current USAID proposal concludes.

3. Presence at and intended follow-up to Sendai

3.1 Background

A delegation of 24 Periperi U representatives attended the World Conference on Disaster and Risk Reduction (WCDRR) from 14-18 March 2015. They were involved in a variety of activities, these included poster exhibition, IGNITE stage presentation on Periperi U, and the co-hosting of a 3-hour side event on the Role of Higher Education Institutions (HEIs) in Advancing Disaster Risk Reduction with the Asian University Network on Environment and Disaster Management AUEDM).

3.2 Poster exhibition (14-18 March 2015)

A poster exhibition was available throughout the duration of the WCDRR. Periperi U developed a poster which provided a concise summary of the partnership, its activities and achievements.



Figure 1: Periperi U poster at WCDRR exhibition hall

3.3 WCDRR: Ignite stage (15 March 2015)

The Ignite stage provided a 15-min interactive presentation platform to a moving audience in the foyer outside one of the main halls of the Conference Centre. Professor Djillali Benouar from USTHB presented at two such Ignite stage sessions, one of which was on behalf of Periperi U.

The presentation entitled *African Higher Education Institutions (HEIs) in advancing DRR: A model for post-2015 capacity building* showcased the foundation, development and progress of the consortium over the past decade. Professor Benouar highlighted the milestones and achievements that the consortium has achieved in “cracking the code” on risk education having produced a model to support building a diverse DRR partnership for risk education across Africa based on the ethos that there is “no one size fits all curriculum”. This highlighted that risk education must be innovative, inclusive, simultaneously incremental and transformative to be successful. Furthermore, he emphasised that his experiences through Periperi U have taught him the value of being connected at all scales to one another. He concluded his presentation by inviting attendees to attend the Public Forum session that Periperi U would be co-hosting the next day.



Figure 2: Professor Benouar presenting on the development and progress of Periperi U over the last decade

3.4 WCDRR: Public forum side event (16 March 2015)

Periperi U co-hosted a Public Forum Side Event with the Asian University Network of Environment and Disaster Risk Management (AUEDM) (a partnership comprising 30 universities from across Asia).

The side event entitled *The Role of Higher-Education Institutions (HEIs): Advancing Disaster Risk Knowledge and Building Local Risk Capacity*.



Figure 3: Professor Shaw opening the WCDRR side event: *Role of Higher-Education Institutions: Advancing Disaster Risk Knowledge and Building Local Risk Capacity* which was co-hosted by Periperi U and AUEDM

The aim of this seminar was to highlight the growing influence of Higher-Education Institutions in the disaster risk reduction field and bring recognition of their role in advancing disaster risk knowledge, education and human capacity development in DRR. Thirteen 10 minute presentations were made.

These were divided into three sessions:

1. Session 1, entitled *HEIs: Innovators in disaster risk education*, profiled the role HEIs play in advancing disaster risk-related education and scholarship. This provided a platform for examples of innovative DRR curricula from universities from Latin America, the Pacific, Africa and Asia to be show cased.
2. Session 2, entitled *HEI consortia: Innovators in disaster risk (a future vision)*, profiled the development of and the role played by purposive knowledge consortia in advancing disaster risk knowledge and capacity development. In this session HEI consortia from Africa, Asia and Europe where profiled.
3. Session 3 entitled *Global mobilisation for disaster risk scholarship and practice*, outlined the successes of global DRR/DRM training initiatives. This session enabled non-academic organisations a chance to profile their successes in supporting DRR training across the globe. Case studies from United Nations Environment Programme (UNEP), United Nations University (UNU) and Manila Observatory were provided.

To conclude the side event, the final session moderator (Dr Holloway) explained that the turn-out to (over 105 attendees) and engagement during the session demonstrated a strong, large and robust community of disaster risk scholars and practitioners not only in science and technology, but also in community and capacity building and education. She posed the question “How do we take the energies into systematic communication and improve these [education initiatives]?” it was concluded that there was a need to construct a ‘network of networks’ in which to advance a platform engagement and knowledge sharing between different institutions and consortia across the globe.

This discussion was taken forward through a meeting with interested attendees on 17 March 2015. The meeting was attended by representatives from universities in Africa, Latin America and the Caribbean and the Pacific. The discussion led to the following conclusions:

Networks should aim to work collaboratively with the STAG initiative and be one of the driving forces. Propose to STAG to have linkages into HEI and or scientific expertise in support of policy.

A network of networks could achieve:

- Provide ways to ensure quality assurance for DRR and DRM courses
- Develop a database of subject specialists to ease the process of identifying external examiners and external supervisors for DRR?DRM theses
- Assist in the integration of emerging or complex thematic (e.g disabilities, CCA, urbanisation and HIV etc.) into curriculums
- Draw some framework/representatives/platform in which to have architecture to strengthen policy/science etc.
- Start with a basic African, Caribbean and Pacific Group of States (ACP) collaboration e.g. a student or staff mobility programme and then in the future perhaps develop an overarching network of ACP universities

3.4 Post-Sendai meetings

Following the WCDRR, Periperi U convened meetings on 19-20 March. On 19 March, representatives of the Japanese International Cooperation Agency (JICA) and Periperi U (IRDR ICoE for Risk Education and Learning) met in Sendai to exchange information on each other's activities.

Mr Eiji Otsuki, JICA's Senior Advisor for the DG of Global Environment Department facilitated the meeting, while Mr Norihito Yonebayashi, JICA's Director, Disaster Risk Reduction Division, Global Environmental Department, introduced JICA's main policy approaches for mainstreaming and advancing DRR globally, including JICA's projects and engagements in Africa. Presentations by Professors Chris Orach (Makerere University) and Zenda Ofir (Stellenbosch University) provided further detail on Periperi U's education, research and outreach activities, Professor Ofir sharing provisional findings on the evaluation currently underway on the consortium's work.

As already reported, Professor Ofir shared preliminary findings on the Periperi U evaluation.

An internal consortium meeting was convened on 20 March.

4. Recent publications

The consortium produced 10 publications during the reporting period. Seven of these were published in peer reviewed journals 4 of which were related to urban flooding in housing (formal and informal) settlements. Other publications included a background paper for the Global Assessment Report (GAR) on Disaster Risk Reduction 2015 *Strategic mobilisation of Higher Education Institutions in Disaster Risk Reduction capacity building: Experience of Periperi U* by Dr Holloway. They also included a conference paper by Professor Diack entitled: *Using agricultural management practices to restore lands affected by salinization process under changing climate conditions: Impact on food security in the Senegal River Valley*.

Details of the publications are reflected in Table A3 in the appendices.

5. Recent Media Presence (2014/2015)

Since October 2014, Periperi U has substantially upgraded its website (<http://www.riskreductionafrica.org/>). This has improved its presence and visibility internationally. A

number of Periperi U partners have also introduced dedicated websites, and are gradually introducing other forms of social media.

In preparation of its participation at the WCDRR, the Periperi U secretariat developed several marketing materials to enhance partnership visibility at this event and beyond. Table 1 lists the materials developed and their purpose.

Table 1:

Type of marketing material	Title	Purpose
Flagship marketing brochure	<i>A Risk Education Network</i>	Overview of the areas work and progress/ milestones of Periperi U
Side event marketing /programme booklet	Role of Higher education in Advancing Disaster Risk Knowledge and building local risk capacity	Outline of the side-event programme, proceedings, speaker profiles and abstracts of presentations
Periperi U poster	Periperi U	Summary of the partnership, its activities and achievements

Periperi U featured in several communication platforms related to the WCDRR, these included:

- **Official UN conference proceedings and documentation:** Periperi U's side event and poster featured online programmes
- **Official WCDRR YouTube channel:** Periperi U's presentation at the IGNITE Stage was recorded audio-visually and is available at: <https://www.youtube.com/watch?v=wHf6nDyQneQ>
- **Official Periperi U press release:** this was created by the secretariat and shared with all partners, ready for dissemination at their institutions and to national media (where relevant) in their countries. For instance, at SU/RADAR the article was published by campus news and is available: <http://www0.sun.ac.za/international/news/su-based-secretariat-heads-african-consortium-at-un-conference.html> and <http://www.sun.ac.za/english/Lists/news/DispForm.aspx?ID=2379>
- **UN reporters:** also afforded the opportunity to record a statement by the SU/RADAR Director, Dr Ailsa Holloway outside the conference building, affording several minutes of recording on the partnership's involvement at the WCDRR. This will be edited post-production and activated on various platforms.

APPENDICES

Table A1: Conference engagement

Institution	Engagement type	Title	Dates	Location	Host	Purpose
Ardhi	Conference	Biannual conference of the Southern Africa Society for Disaster Reduction (SASDiR)	6-8 Oct 2014	Windhoek, Namibia	ACDS and UNAM	Presenters
	Exchange visit	Postgraduate lecture: The experience of Algeria in DRM	11-13 Jan 2015	Dar es Salaam, Tanzania	Ardhi University	Host
BDU	Conference	African Working Group Meeting	1-2 Oct 2014	Arusha, Tanzania	UNISDR	Attendee
	Conference	International Day for Disaster Reduction	13 Oct 2014	Bahir Dar, Ethiopia	Bahir Dar University	Facilitator
	Conference	Law and Disaster Risk Reduction consultation meeting	6-7 Nov 2014	Nairobi, Kenya	IFRC and UNDP	Presenter
	Workshop	Defining an e-learning curriculum on Agricultural Risk Assessment and Management	17-18 June	Rome, Italy	FAO, Nepad	Participant
GBU	Workshop	Defining an e-learning curriculum on Agricultural Risk Assessment and Management	17-18 June	Rome, Italy	FAO, Nepad	Participant
Tanà	Exchange visit	Collaboration meeting	23-29 Nov 2014	Tanà, Madagascar	Tana	Host
	Conference	Biannual conference of the Southern Africa Society for Disaster Reduction (SASDiR)	6-8 Oct 2014	Windhoek, Namibia	ACDS and UNAM	Presenters
	Conference	DIMSUR Second Executive board meeting	1-5 Dec 2014	Tanà, Madagascar	Lilongwe, Malawi	Attendee
SU/RADAR	Conference	Regional Consultation (Eastern & Southern Africa) World Humanitarian Summit	26-30 Oct 2014	Pretoria, South Africa	UNOCHA	Attendee
	Conference	Biannual conference of the Southern Africa Society for Disaster Reduction (SASDiR)	6-8 Oct 2014	Windhoek, Namibia	ACDS and UNAM	Presenters
	Conference	Tokyo Conference on International Study for Disaster Risk Reduction and Resilience	14-16 Jan	Tokyo, Japan	UNISDR, IRDR, University of Tokyo, Science council of Japan	Attendee
	Meeting	Western Cape Strategic Framework for Fire and Burn Injury Prevention Consensus Meeting	30 March 2015	Cape Town, South Africa	Fire & Rescue Service Department of Local Government, (Western Cape) & MRC	Attendee
	Meeting	RUFORUM Strategic Business Plan 2015-2020	13-15 Apr	Stellenbosch, South Africa	RUFORUM network	Presenter
	Meeting	Disaster Management portfolio committee deliberations around amendments to the legislation	21-22 April 2015	Cape Town, South Africa	Cooperative Governance and Traditional Affairs (CoGTA)	Attendees and presenters

Institution	Engagement type	Title	Dates	Location	Host	Purpose
	Conference	19th World Congress on Disaster and Emergency Medicine (WCDEM)	21-24 April 2015	Cape Town, South Africa	The World Association for Disaster and Emergency Medicine (WADEM) & Emergency Medicine Society of South America (EMSSA)	Attendees and presenters
	Meeting	Intergovernmental negotiations: Post-2015 negotiations in New York	23 April 2015	New York, USA	ICSU	Presentation
UDM	Workshop	NEPAD/SADC Food and Nutrition Security Knowledge Sharing and Monitoring Workshop	3-4 Dec 2014	Johannesburg, South Africa	NEPAD/SADC	Attendee
	Conference	Regional Consultation (Eastern & Southern Africa) World Humanitarian Summit	26-30 Oct 2014	Pretoria, South Africa	UNOCHA	Attendee
UG	Conference	Third Africa Union Annual Humanitarian Symposium on the theme: "Globalization and Humanitarian Effectiveness in Africa."	27-29 Nov 2014	Nairobi, Kenya	Department of Political Affairs' Humanitarian Affairs Division	Attendee
	Workshop	Stakeholder collaborative meeting	6-7 Feb 2015	Ghana	Janok Foundation	Host
USTHB	Exchange visit	Collaboration meeting	23-29 Nov 2014	Tanà, Madagascar	Tana	Presenter/Attendee
	Meeting	Preparatory Committee, Second Session, WCDRR	17-18 Nov 2014	Geneva, Switzerland	UNISDR	Attendee
	Workshop	Forensic Investigation of Disasters (Forin)	10-12 Nov 2014	Paris, France	IRDR	Attendee
	Conference	Third International Conference on Forensic Research and Technology	6-8 Oct 2014	San Antonio, USA	OMICS Group	Presenter
	Conference	Post-analysis of flood disaster at the Society of Risk Analysis Conference (SRA)	7-10 Dec 2014	Denver, USA	Society for Risk Analysis	Presenter
	Exchange visit	Postgraduate lecture: The experience of Algeria in DRM	11-13 Jan 2015	Dar es Salaam, Tanzania	Ardhi University	Presenter
Consortium	Conference	WCDRR	14-18 Mar 2015	Sendai, Japan	UNISDR	Hosts and attendees

Table A2: Short courses hosted

Institution	Name of short course	Dates held	No. participants
Ardhi	Temeke municipality Ward Disaster Management Committees (WDMCs)' Short course	21-22 October	57
	Temeke municipality Ward Disaster Management Committees (WDMCs)' Short course	23-24 October	52
	Introduction to and the role of Kibaha town Council in DRR	28 May 2015	Planned for 30 participants
	Introduction to and the role of Mkuranga District Council in DRR	6 June 2015	Planned for 30 participants
	Locating and Mapping of Critical Infrastructure and Incidents	16 May 2015	18
BDU	Statistics and SPSS software	3-7 February 2015	22
GBU	Health and food security related to flood risks	20-24 April, 2015	37
Tanà	Initiation aux concepts de Gestion / Réduction des Risques et des Catastrophes et le Développement	11-12 November	93
	1 regular short course	June	
UG	Community Information Base for Environmental Health Management (EHM) and DRR	12-15 January 2015	42
	Strategies for community resilience building in urban Ghana	19-22 January 2015	29
USTHB	DRR short course for civil protection	26-30 October	10
	DRR short course for civil protection	23-27 November	10
	Disaster Risk Reduction for journalists	February 2015	23
	GIS for Disaster Risk Management for journalists	March 2015	69
Stellenbosch	Community Risk Assessment	29 June-3 July	
Total			460

Key

 Information shaded planned activity

Table A3: Under/post graduate programmes

Institution	Title under/post graduate programme	Month commencing (registered)	No. students	Status
ABU	Masters in Disaster Management	2014/2015	83	Enrolled
	Postgraduate Diploma in Disaster Management	2014/2015	26	Enrolled
Ardhi	Master of Science in Disaster Risk Management (MSc. DRM)	October 2014	8	Enrolled
	Master of Disaster Risk Management (MDRM)	October 2014	12	Enrolled
	Master of Science in Disaster Risk Management (MSc. DRM)			
BDU	BSc in Disaster Risk Management & Sustainable Development	October 2012 October 2013 October 2014	3rd year 76 2nd year 42 1st year 25	2nd sem. course 2nd sem. course 2nd sem. course
	MSc in Disaster Risk Management & Sustainable Development	October 2012 October 2013 October 2014 October 2012 October 2013 October 2012 October 2013	8 regular 14 regular 18 regular 13 summer 10 summer 15 distance 22 distance	Thesis work Proposal writing Course work Thesis work Course work Thesis work Proposal writing
GBU	Master of Disaster Risk Prevention and Management for Food Security	January 2015	34	Ongoing
Makerere	Masters in Public Health and Disaster Management	2015	11	Ongoing
Moi	Food safety and hygiene (teaching component)			
Stellenbosch	Disaster Risk Studies (DRS)	April 2015	9	Enrolled
	MSC/MA in Geography and Environmental Studies (DRS specialisation)	March	2	Graduated
	MSC in Geography and Environmental Studies (DRS specialisation)	March	3	Ongoing
Tanà	DMGRC Masters program	2014/2015	31	*Ongoing 30

Institution	Title under/post graduate programme	Month commencing (registered)	No. students	Status
UDM	BSc in Environmental Engineering and Disaster Management (Disaster risk evaluation)	2014	36	Enrolled
	Msc in Technical Education, Development and Disaster Management	2014	24	Enrolled
UG	Theories and Analytical Methods for Disaster Risk Reduction	2015	10	Enrolled
	Concepts and Methods in Advanced Integrated Disaster Risk Reduction	2015	9	Enrolled
USTHB	Ph.D in Disaster Risk Reduction	Sept.2013/2014	14	Enrolled

***Comment:** 30 students were successful during the final exams in January and are now on the research phase leading to their Masters thesis needed for their graduation.

Definitions

Enrolled	No. students expected to enrol in the programme. The number of students specified represents the number of students expected from registrations received.
Ongoing	No. of students who have registered and begun the course. The number of students represents the number of students from registrations received.
Graduated	No. of students who completed and graduated in this quarter.

Table A4: Applied research outputs ongoing and completed

Institution	Research title	Output - thesis/report/article	Research phase
ABU	Vulnerability and Capacity Assessment of Sabon Gar Local Government Area, Kaduna State, Nigeria	Professional Academic Research	On-going
Ardhi	Implementing climate change adaptation and mitigation interventions at the local government levels in Tanzania: Where do we start?	Journal article (Current Opinion on Environmental Sustainability)	In press
BDU	Impact of food security programs on households' economic livelihood capital: The case of Gayint Woreda	Professional academic research	Pending - Research underway
	Climate induced vulnerability to food insecurity in pastoral areas of Ethiopia. The Case of Afar National Regional State.	Professional academic research	Pending - Research underway
GBU	Relationships between food safety and food quality for better response to crisis in the regions of Saint-Louis, Louga and Matam of Senegal	Professional academic research	Pending - Research underway
	Endogenous knowledge and development of fish farming in the Senegal River Valley: Issues of integrating fish farming and cropping under irrigated conditions	Professional academic research	Pending - Research underway
	Rational management of pest of solanaceous vegetable crops and improvement of the quality of the produce in the delta and the middle Senegal River valley	Professional academic research	Pending - Research underway
	Skills and strategies of the stakeholders in the Senegal River Valley for managing natural hazards and vulnerability for food security	Professional academic research	Pending - Research underway
	Managing risk for pests to ensure the availability of banana seeds in the delta and the Senegal River Valley	Professional academic research	Pending - Research underway
	Vulnerability of the paddy soils and increase in the salinization process in the Senegal River Delta: the comparative benefits of using phosphogypsum, organic fertilizer and biochar for soil restoration	Professional academic research	Pending - Research underway
	Dynamics of the farm lands in the Niayes region and risk of food insecurity	Professional academic research	Pending - Research underway
	Predicting rainfall events as tools for decision support for agriculture in Senegal	Professional academic research	Pending - Research underway
	Information system for securing land, in a food safety perspective applied to the community of Mbane in Senegal	Professional academic research	Pending - Research underway
Moi	Dietary Intake of Schoolchildren and Adolescents in Developing Countries	Journal article (Annals of Nutrition and Metabolism; 64 (Supplementary):24-40)	In press
	Community Risk Assessment in Kerio County, Riftvalley region in Kenya	Professional academic research	Planned for 2015
Stellenbosch	Global Assessment Report on Disaster Risk Reduction 2015: Strategic mobilisation	Professional academic research	Published

Institution	Research title	Output - thesis/report/article	Research phase
	of higher education institutions in disaster risk reduction capacity building: Experience of Periperi U		
	Post-Event Analysis 2014, 2013, 2012 and 2011 Cut-off Lows	Professional academic research	Pending - Research underway
	Everyday hazards and vulnerabilities among backyard dwellers: A case study of Vredendal North, Matzikama Municipality, South Africa	Journal article	Submitted for peer review
Tanà	DRR, resilience and development in the Southeast part of Madagascar	Professional academic research	Planned for 2015
	Describing and measuring community resilience to inundation	Professional academic research	Planned for 2015
UG	Environmental health and grassroots governance in Sabon Zongo	Professional academic research	Pending - Research underway

Table A5: Student theses

Institution	Research title	Output – thesis type	Research phase
ABU	Flood Risk and Vulnerability Assessment of Settlements downstream of Kubanni River Dam.	PhD thesis	On-going
Ardhi	Urban Disaster Risk Reduction: Analysis of the Role of Settlement Planning in Dar es Salaam Tanzania	PhD thesis	Final draft for supervisor's review
BDU	<p>Determinants Of Adaptation To Climate Variability in Crop Production Area, The Case of Kalu District, South Wollo, Amhara Region;</p> <p>Impact of Microfinance Service on the Livelihood of Rural, People in Ethiopia (Focused on women headed households);</p> <p>The Impacts Of Productive Safety Net Program On Food Security At Household Level, The Case Of Zway Dugda Woreda, East Shewa Zone, Oromiya Region;</p> <p>The Influence of Ethnic-Based Federalism on Clan Conflict in Babil Woreda of Somali Regional State: trends, dynamics and perceptions;</p> <p>Conflicts and Indigenous Conflict Resolution Mechanisms among Pastoralists in Arraro Woreda of Somali Regional State;</p> <p>Gender, Household Food Security, and Coping Strategy: the case of Jijiga woreda;</p> <p>Impact of Flood on Livelihoods in the Community of Marato of Kbridahar District of somali Regional state;</p> <p>Assessment of Voluntary Sedentarization Situation and its Imperative to the Pastoral Livelihoods at Adadlay Woreda of Shabele Administrative;</p> <p>The Determinants of Household Food Security from Food availability: the case of Awbare Woreda of Fafan Zone, Somali Regional State;</p> <p>Livelihood and Survival Strategies among Migrant Children Shoe Shining in Jijiga, somali regional State;</p> <p>Determinants of Food Insecurity Shocks in agropastoralst households: the case of Jijiga Woreda;</p> <p>Determinants of Livelihood Diversification in Pastoral Households;</p> <p>The Socieconomic Impacts of Drought : the Case of Harshin Woreda Pastoralsts in somali ;</p> <p>The impact of Drought hazard on Food Security Situation of rural Households: the Case of Gondar Zuria Woreda;</p> <p>Determinant of poverty in Agropastoral Households in Somali regional State: he Case of Jijiga Woreda;</p> <p>Clan Conflicts, their Causes, and Resolutions:the Case of Harshin Woreda of somali Region</p>	MSc theses	Research underway
GBU	Challenges of land security in West Africa, the case of the agricultural and rural land in Senegal and Burkina Faso	PhD thesis	Pending - Research underway
	Effect of the temperature variation on the supply and the growth of <i>Oreochromis niloticus</i>	PhD thesis	Pending - Research underway
Stellenbosch	Farming in the Langkloof: Coping with and adapting to environmental shock and social stress	MA thesis	Completed and

Institution	Research title	Output – thesis type	Research phase
			accepted
	Evaluating holistic management in Hwange Communal Lands, Zimbabwe: An actor-oriented livelihood approach, incorporating everyday politics and resistance	MSc thesis	Completed and accepted
*Tanà	'Analyse de la vulnérabilité du système institutionnel en GRC à Madagascar'	PhD thesis	Planned for 2015
	La vulnérabilité à la sécheresse en Androy: conséquences socioéconomiques et perceptions culturelles du risque climatique	PhD thesis	Planned for 2015
UG	Hazards and vulnerability mapping for adaptation to climate risks in savannah ecosystem: A case study of the Volta Basin, Ghana	PhD thesis	Oral defence was made in March 2015

* **Comment:** 30 research topics related to DMGRC students thesis which all started in February and are expected to be finished and defended in September.

Table A6: Publications

Institution	Research title	Output type
Ardhi	Recovery after floods: A Case of Rental Housing Business in Keko Machungwa Informal Settlement, Dar es Salaam, Tanzania. International Journal of Disaster Recovery and Business Continuity	Journal article - International Journal of Disaster Recovery and Business Continuity. Vol. 5: 15-28
	Assessment of adaptation strategies to flooding: A comparative study between informal settlements of Keko Machungwa in Dar es Salaam, Tanzania and Sangkrah in Surakarta, Indonesia.	Journal article - Jàmá: Journal of Disaster Risk Studies 6(1)
	Government and community involvement in environmental protection and flood risk management: Lessons from Keko Machungwa, Dar es Salaam, Tanzania	Journal article - Journal of Environmental Protection, 5: 760-771
Stellenbosch	Global Assessment Report on Disaster Risk Reduction 2015: Strategic mobilisation of Higher Education Institutions in Disaster Risk Reduction capacity building: Experience of Periperi U	Professional academic research
GBU	Using agricultural management practices to restore lands affected by salinization process under changing climate conditions: Impact on food security in the Senegal River Valley	Conference paper
Moi	Barriers and successes in using core groups to improve intake of prenatal micronutrients to improve maternal-neonatal health in rural Kenya	Journal article - African Journal of Health Sciences, 27(3)
	Nurses perception of their work environment at a referral hospital in Western Kenya	Journal article - Journal of Nursing and Health Science, 3(6)
	A survey on patient satisfaction with nursing care at a large Referral Hospital in Kenya	Journal article - Journal of Biology, Agriculture and Healthcare, 4(26)
SU	Built-in risk: linking housing concerns and flood risk in subsidized housing settlements in Cape Town, South Africa	Journal article - International Journal of Disaster Risk Science 5:313–322

Institution	Research title	Output type
UG	Environmental Health and disaster risks, livelihoods and ecology within the Korle Lagoon Complex in Accra, Ghana	Book
Total publications		10

Third UN World Conference on Disaster Risk Reduction
14 to 18 March 2015
Sendai City, Japan

Reporting template for Public Forum
Event type: Side Events

Guidelines

- A brief report is requested for post- conference documentation - primarily a proceedings document that would come out by July 2015
- Event organizers are requested to **please fill in the reporting template** below in English
- The template is divided into two parts, event background and event report.
- There is a basic guidance provided for the event report incorporated next to each field
- The expected length of text for each event in the proceedings would be approximately 50 words.
- Only the fields marked with an (*) are mandatory information
- Please send the completed **reporting template** to email address wcdrr2015@un.org
- Please mark the subject as **Public Forum Report: “Event ID – Event Title”**
- Please submit the report by **Friday, 10 April 2015**
- Please upload all event related documents (e.g. agenda, speaker’s list, presentations made during the event, etc.) on the assigned webpage for the event that are linked to the conference programme which is available at <http://www.wcdrr.org/conference/programme>

Event Background

Event ID *	146
Event Title *	Role of Higher-Education Institutions (HEIs): Advancing Disaster Risk Knowledge and Building Local Risk Capacity
Organizer Name *	Co-organizers: AUEDM (Asian University Network of Environment and Disaster Risk Management) Periperi U (Partners Enhancing Resilience for People Exposed to Risk)
Date and Time *	16 March 2015: 09h00 -12h00
Venue	Tokyo Electron Hall Miyagi 401
Primary language	English
Organizer’s Email	AUEDM: shaw.rajib.5u@kyoto-u.ac.jp Periperi U: ailsaholloway@sun.ac.za
Organizer’s Phone No.	AUEDM: +81-75-753-5708 Periperi U: +27218089281

* **Mandatory information**

Event Report

Required information	Reporting text			Basic guidance for reporting
Number of participants attending the event	From Japan N/A	From other countries N/A	Total * 105 minimum attended	Approximate number of persons in the audience and speakers. (Only the total number is mandatory but an estimation of the disaggregation would be preferable, if possible)
Main outcomes /messages of the event (50 words) *	Recognition that there is a robust community of DRR related HEI's that are actively contributing towards advancing disaster risk knowledge and building local risk capacity across the globe. Agreed that greater acknowledgement needs to be placed on HEI's for their role in influencing and implementing many of the objectives of the post-2015 framework.			High level summary of what was achieved from the event and key message from the same. This will form the main crux of the inputs into the proceedings
Government announcements and voluntary commitments made at the event (in bullet points) *	No major commitments or announcements made, however: <ul style="list-style-type: none"> • During the Public forum discussions, there was interest expressed by HEI delegates in increasing engagement and 'networking' between the different HEI's and between networks • Delegates stated that a secondary meeting should be held both after the forum as well as the next day, to discuss the prospect of enhanced collaboration between the various universities and between networks • Call by Dr Karen Sudmeier from the United Nations Environment Programme for contributions towards the development of a disaster risk focused Massive Open Online Course (MOOC). MOOC will give greater accessibility to those wanting to study and qualify in the field of disaster risk 			For information on Government announcements and voluntary commitments, please refer to the webpage: http://www.wcdrr.org/preparatory/commitments . Request to encourage the entities making the announcements / commitments to submit the details on the above webpage. If no announcements / commitments are made, please mention not available
Quotes from participants	"We need to share knowledge with communities. We mine [communities] for knowledge, but I seems very rare that the knowledge is returned to them" <i>Ms Antonia Yulo Loyzaga - Manila Observatory, Philippines</i> "There is clearly a robust community of			Request to provide some quotes that may emerge from the event, along with their source.

	<p>colleagues working in science and technology fields, but also in community and capacity building and education fields. How do we take the energies into systematic communication and improve this further?" Dr Ailsa Holloway – Stellenbosch University, PeriPeri U</p> <p>"Sustainable solutions need to be found with business and industry and other sectors" Dr Mass Adds.</p> <p>"Our canoe has two hulls: Cultural Wisdom and Scientific Wisdom" Dr Helene Jacot Des Combes - The University of the South Pacific</p>	
<p>Any other information to be highlighted</p>	<p>Majority of speaking delegation as well as many attendees from other HEIs agreed that there was greater need for engagement and sharing between HEI's. Many of them agreed to meet again during the WCDRR to continue the discussion of the role of HEI's in the field of Disaster risk and how they can move forward through increased engagement and networking</p>	<p>Any other issues related to the event that the organizer may want to highlight.</p>
<p>Captioning of pictures *</p>		<p>Please attach at least one high resolution picture of your event which may be used if and where possible. The filename should be: "(event ID)_(event name)_(1,2,3,...).jpg" . Please provide a caption for each photograph.</p>



Presentation of PeriPeri U delegation



Question to presenter



Presentation on growth of disaster risk HEI networks in the Caribbean and Latin America



Public Forum was well attended with approximately 105 people



Plenary discussion session between presenters and audience

* Mandatory information

