



United Nations
Educational, Scientific and
Cultural Organization

Organisation
des Nations Unies
pour l'éducation,
la science et la culture

Organización
de las Naciones Unidas
para la Educación,
la Ciencia y la Cultura

Организация
Объединённых Наций по
вопросам образования,
науки и культуры

منظمة الأمم المتحدة
للتربية والعلم والثقافة

联合国教育、
科学及文化组织



African Union

Profiling Advances in DRR/DRM Science and Academic Engagement in Africa

UNESCO-IPRED 9th Annual Session, &
International Conference on Impact of Natural Hazards
in Africa Lessons from 1992 Cairo Earthquake
NRIAG - African Union - UNESCO

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PERIPERI U

PARTNERS ENHANCING RESILIENCE
FOR PEOPLE EXPOSED TO RISKS



IRDR ICoE
Integrated Research on Disaster Risk
International Centre of Excellence

Africa: An Increasingly Diverse & Dynamic Risk Profile (Eg August-September 2017)

Fall Armyworm Invasion

<http://www.fao.org/3/a-bs183e.pdf>

August 2017:

Chad: Cholera

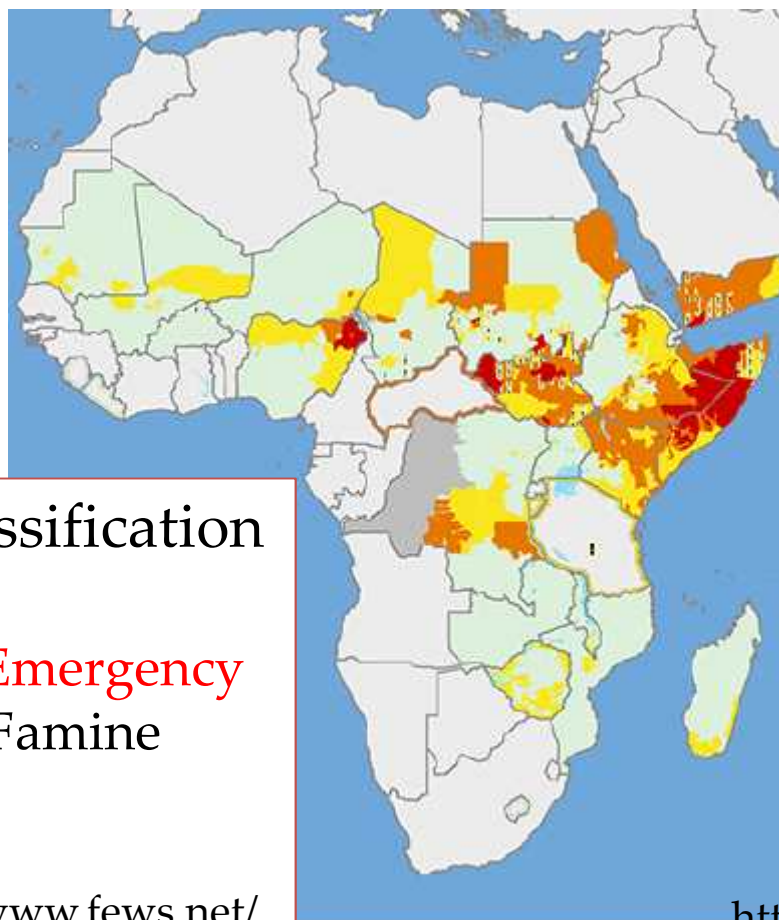
CAR: Floods

S. Leone: Landslides

DRC: Landslides

September 2017

Togo: Floods



Integrated Phase Classification for Food Insecurity

- | | |
|-------------|--------------|
| 1. Minimal | 4. Emergency |
| 2. Stressed | 5. Famine |
| 3. Crisis | |

FEWSNET, Sept 2017; <http://www.fews.net/>

August 2017

Ethiopia: Floods

September 2017

S. Sudan: Floods

Madagascar:
Plague

<https://reliefweb.int/disasters>

Yet, an established architecture of research and academic institutions, networks & collaborations

- National & international science orgs (eg National Academies of Science, & Intern. Council of Science).
- Univs & research councils.
- National Ministries of Science & Technology
- Plethora of foundations & funding vehicles (eg Horizon 20/20).



Prev., this architecture was not optimised for DRR / DRM knowledge production

BUT, there are new synergies now ...

...and a **surge** in new DRR/DRM curricula & academic progs – linked to post-grad. & faculty research

Eg Periperi U partnership introduced **31 innovative acad. progs/modules** – that reached 3,500 students (2011-2016)



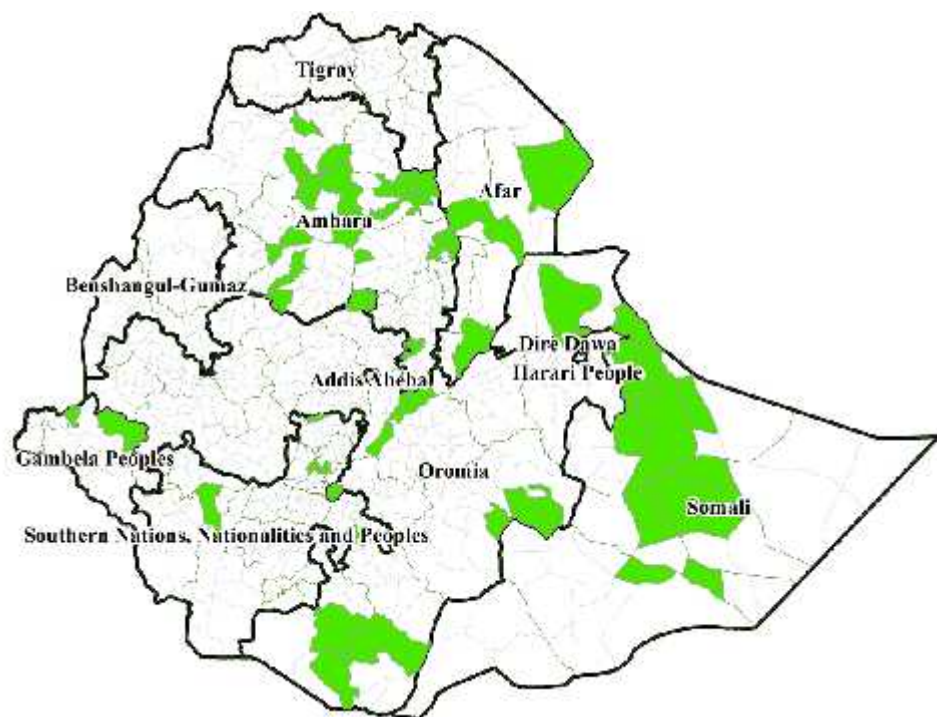
MSc Structural Dynamics & **Earthquake Eng.** (USTHB, Algeria)
DRM PhD, MSc, MPhil, Masters & PGDip (Ahmadu Bello Univ, Nigeria)
MSc **Prevent/Mgmt of Food Insec. Risks** (Univ. Gaston Berger, Senegal)
Masters **Public Health Disaster Management** (Makerere, Uganda)
MPhil **Multidiscip. DRM** (Univ. Antananarivo, Madagascar)

This has unlocked (sub)national capability
for meaningful disaster risk research

Eg, following the estab. of an
MSc DRM & Sust. Developmt
(Bahir Dar Univ, Ethiopia)

Socio-economic impacts
of drought on
pastoralists in Dirre
Woreda of Borena,
Oromia region. (BDU)

Analyse de la
vulnérabilité à la
sécheresse des familles
paysannes Tandroy
(Univ of Antanarivo)



Location of 120 MSc theses BDU 2011-16

Capacity building via short courses (2,800 people), PLUS research & community outreach



UNIVERSITEIT • STELLENBOSCH • UNIVERSITY
jou kennisvennoot • your knowledge partner

Community Risk Assessment: *Focus on informal settlements*

Venue: Stellenbosch University
WINTER and SUMMER COURSES

The course focuses on strengthening community-based risk assessment capabilities in disaster-prone informal settlements. The course gives priority to assessing household and community risks using a range of participatory methods as well as other quantitative and spatial risk-related data. It is useful and relevant to disaster management practitioners working in at-risk communities, local councilors / political leaders. However, the course is equally important for development practitioners, as well as those concerned with capacity-building, poverty reduction or sustainable development.

Key Content Areas:

- Role of CRA in development planning/ risk reduction
- Principles, practice and ethics of CRA
- Introduction to critical data sources for assessing risk
- Capturing and mapping spatial data using GPS
- Introduction to participatory CRA methods
- Conducting a preliminary scoping exercise
- Applied CRA: Fieldwork in an informal settlement
- Effective analysis/consolidation of CRA findings
- Effective communication of CRA findings

Important Information:

- Course Cost: R7000.00 / →USD 503.00
- 40% reduction for registered SU students
- Course duration: 5 days
- Course instruction in English

Certificate of competence (5 credits) issued upon successful completion of take-home assignment

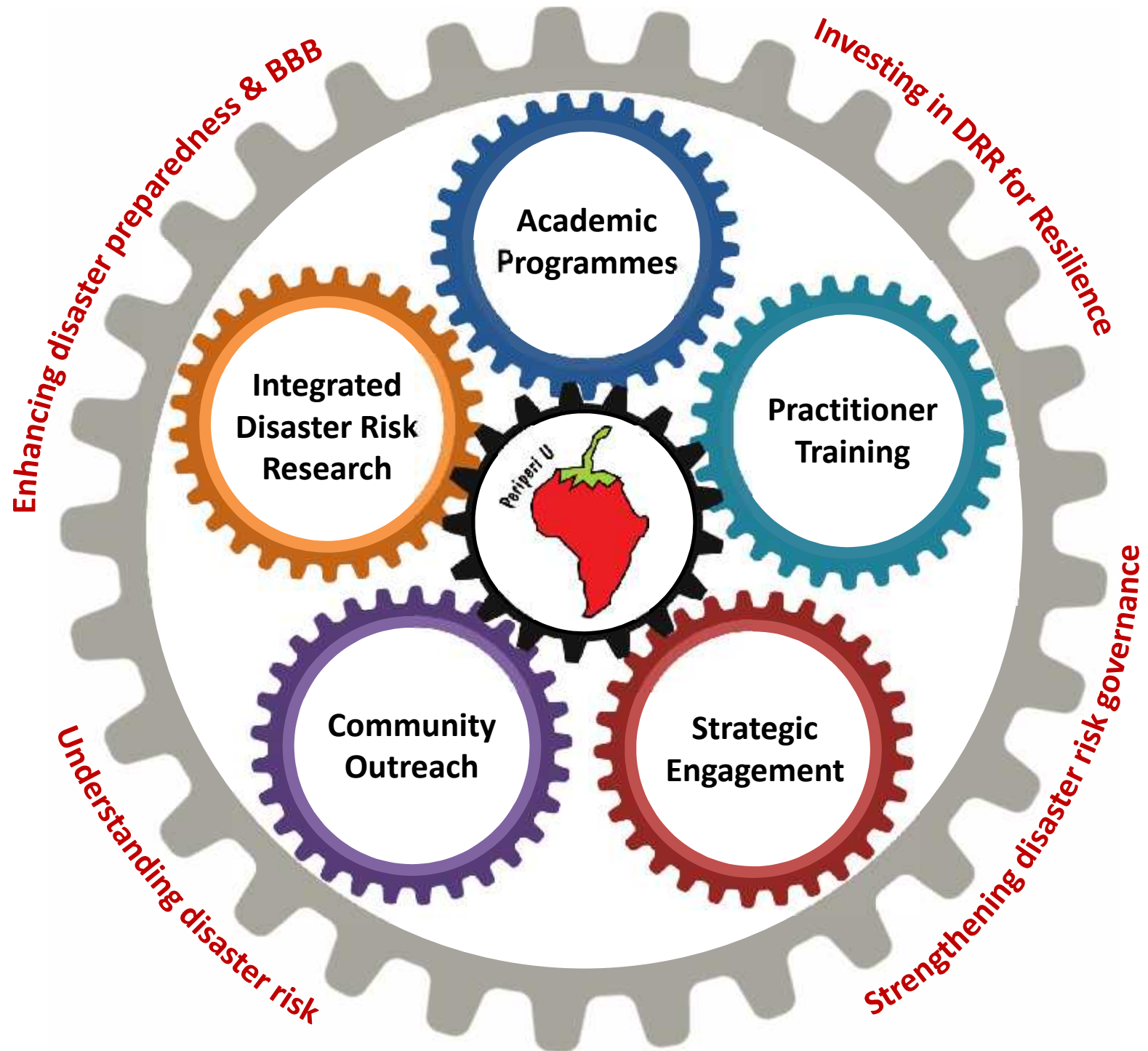
For more information and a registration form, please contact:
Mrs Patricia Zweig
Email: patriciazweig@sun.ac.za
Tel: +27 (0)21 808 9282; Fax: +27 (0)21 882 8459

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RADAR
Research Alliance for Disaster and Risk Reduction

How are HEIs optimising these capabilities for DRM & resilience-building at (sub)national scales?





University of Antananarivo in Madagascar

Research (2011/16)

94 Student theses

92 Masters, 2 PhDs
Covering 50 municips
excl. 12 national scale theses

Faculty research

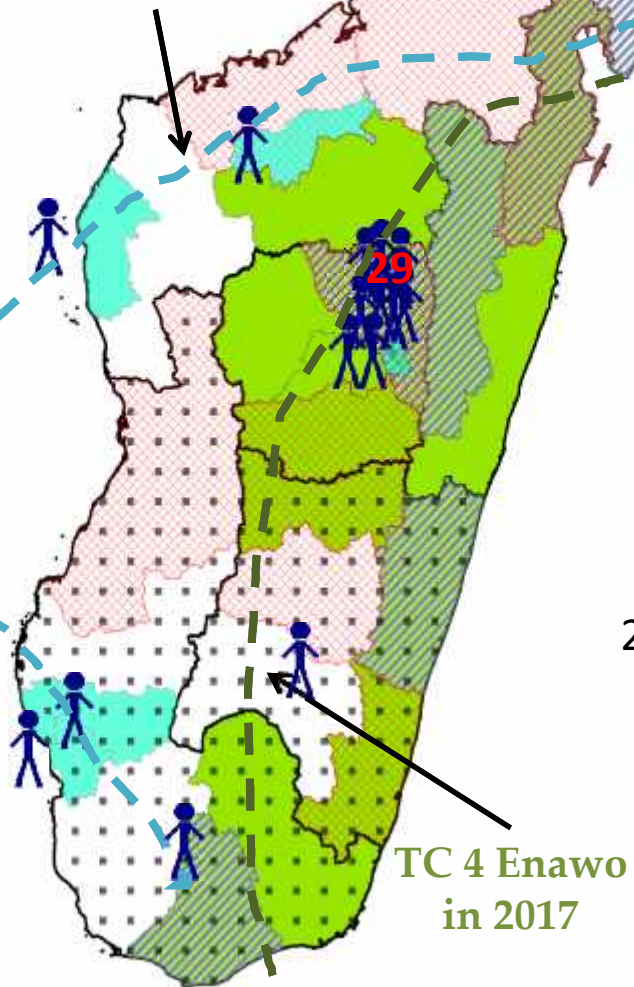
19 research papers
Covers 16 municips
excl. 5 national scale papers

Short courses (2010/16)

17 short courses

9 commissioned by govt
8 regularly offered
Covers 58 municips
Participants:
295 male
132 female

TC 4 Gafilo in
2004

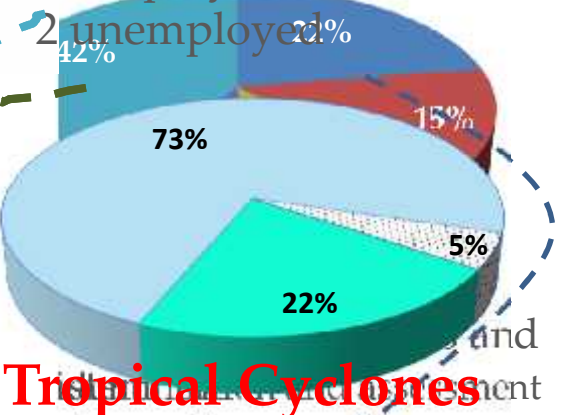


TC 4 Enawo
in 2017

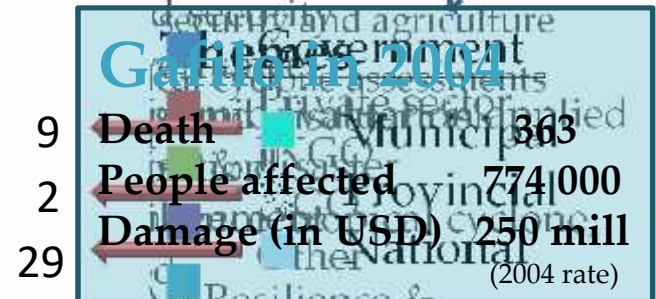
Graduates 2011/15

93 graduates

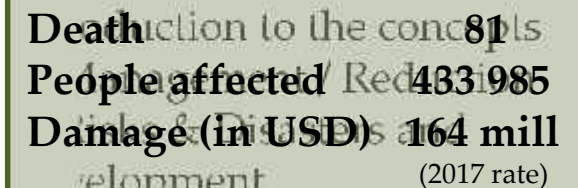
89 employed, 2 PhD studs,



Tropical Cyclones



Enawo in 2017



To Sum-Up

- Africa has a well-established architecture for science & academic engagement – with inventive capability for new domains.
- This should be better optimised for DRM and resilience building...
- There are new prospects for value-adding collaboration betw univs & govt & international partners in this field.
- We should seize the opportunity now to unlock this potential!

Want to Know More?

- Go to www.riskreductionafrica.org



Thank you