



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
Объединенных 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

Professor Djillali Benouar
University of Sciences & Technology
Algiers, Algeria
(dbenouar@gmail.com)



USAID
FROM THE AMERICAN PEOPLE



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

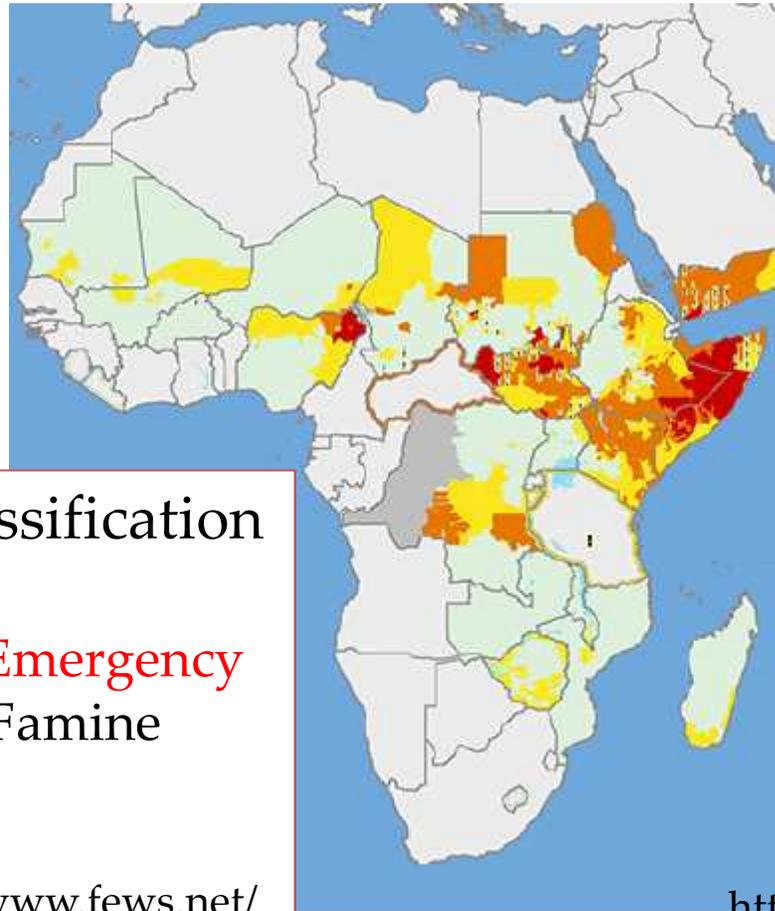
CAR: Floods

S. Leone: Landslides

DRC: Landslides

September 2017

Togo: Floods



Integrated Phase Classification for Food Insecurity

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

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

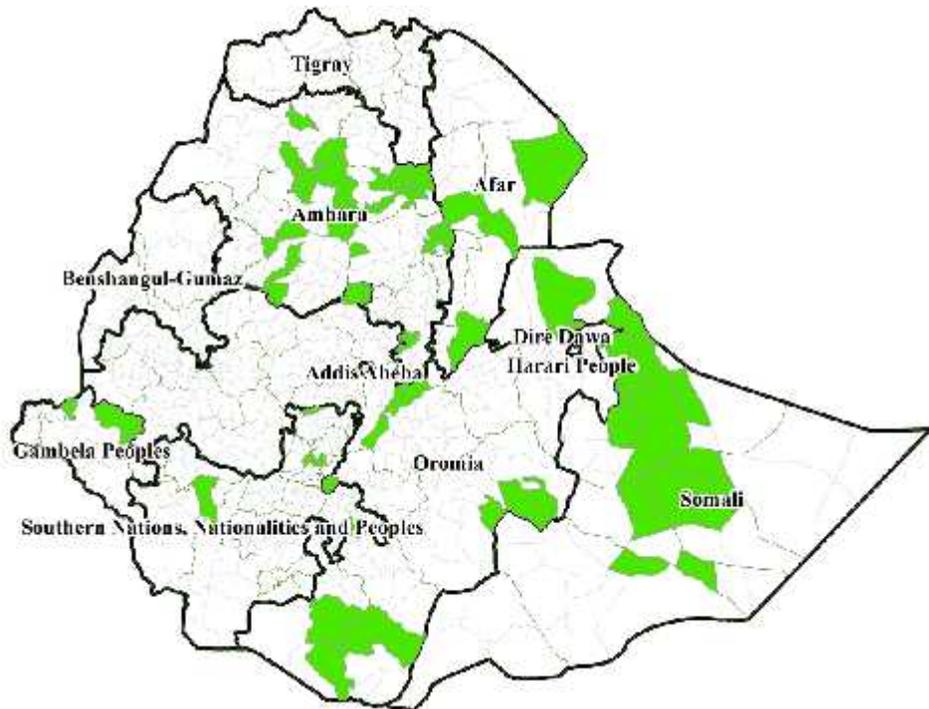
Eg Periperi U partnership introduced **31 innovative acad. progs/modules** – that reached 3,500 students (2011-2016)



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



S 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 500.00
- 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

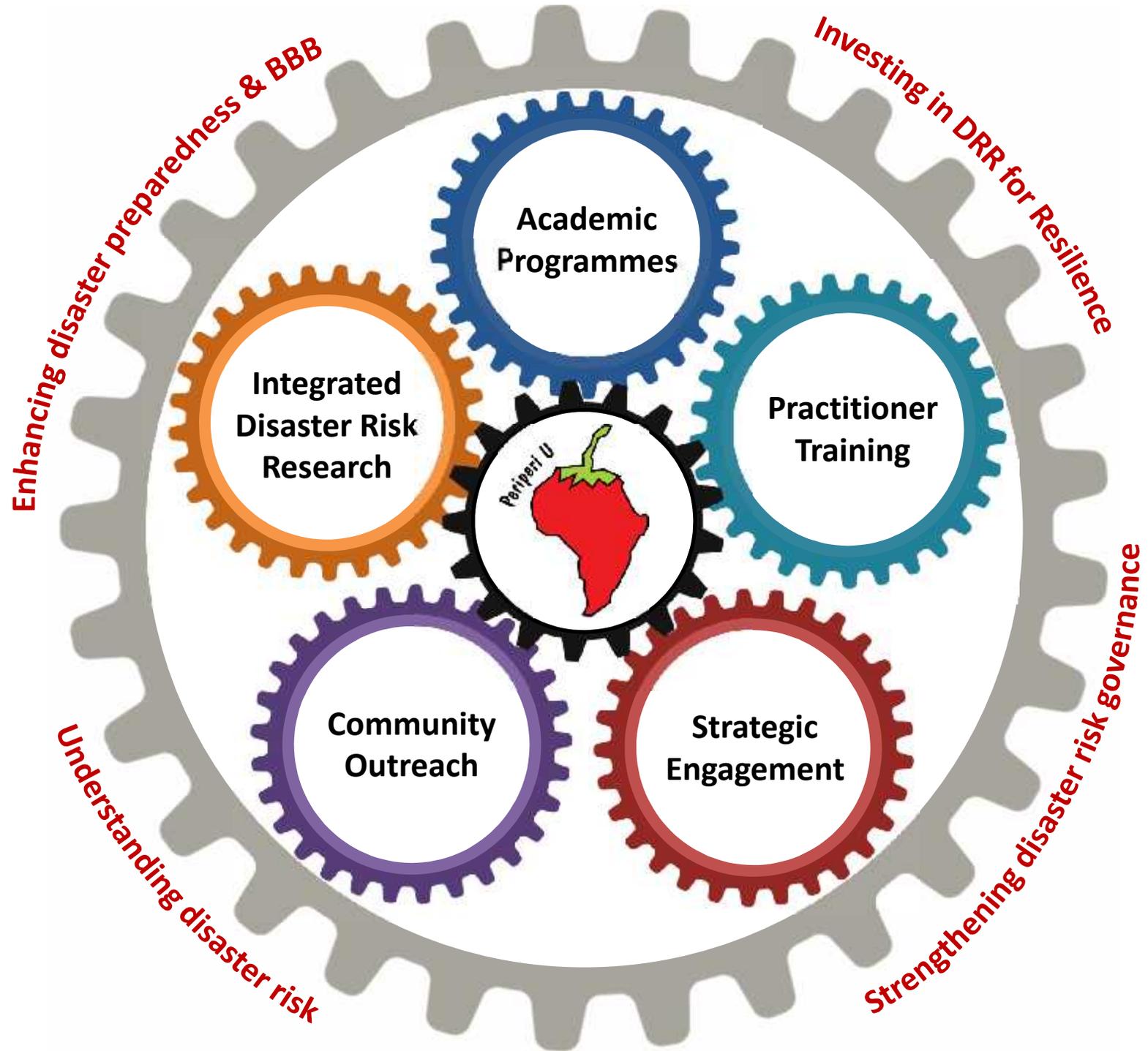


 **USAID**
FOR THE AMERICAN PEOPLE

 **PERIPERI U**

 **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

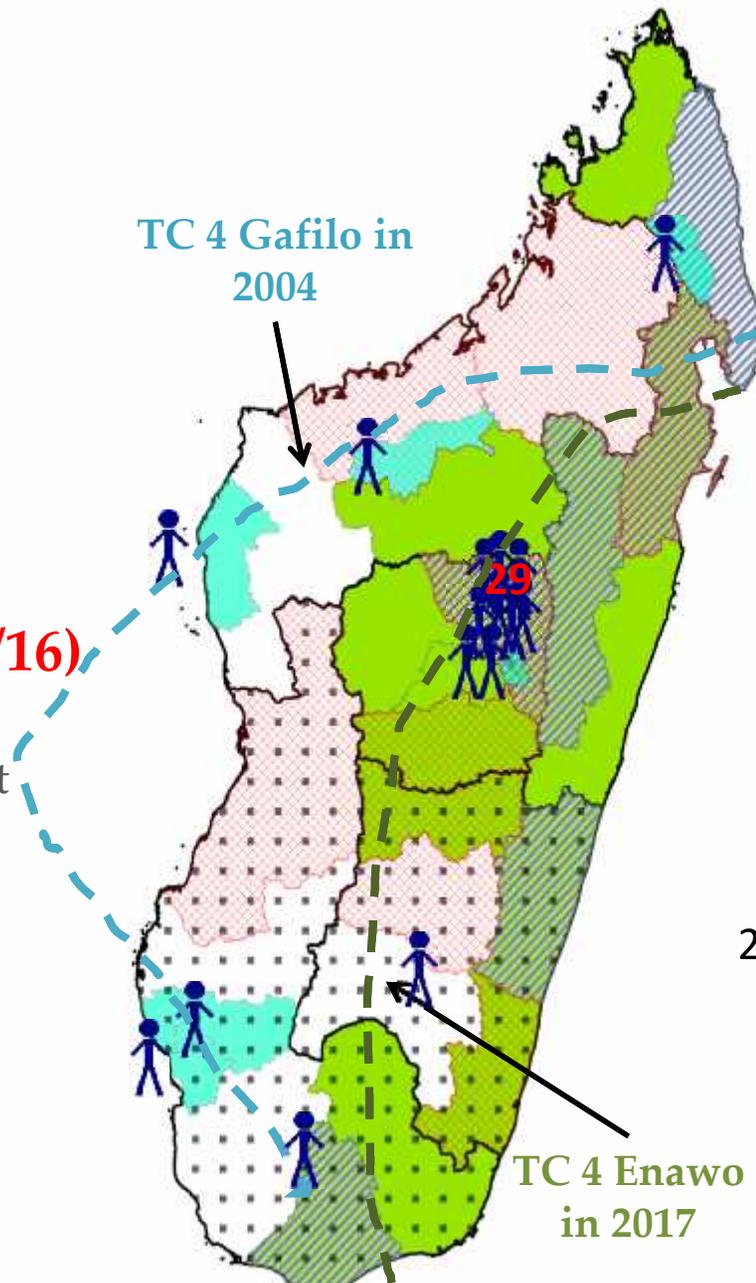
Faculty research

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

Short courses (2010/16)

17 short courses

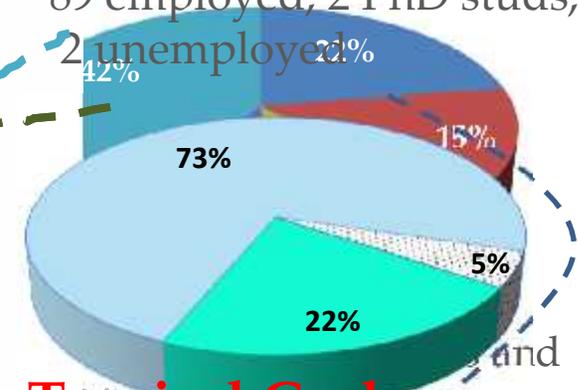
9 commissioned by govt
8 regularly offered
Covers 58 municips
Participants:
295 male
132 female



Graduates 2011/15

93 graduates

89 employed, 2 PhD studs,
2 unemployed



Tropical Cyclones

Gafilo in 2004

Death	363
People affected	774 000
Damage (in USD)	250 mill (2004 rate)

Enawo in 2017

Death	81
People affected	433 985
Damage (in USD)	164 mill (2017 rate)

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