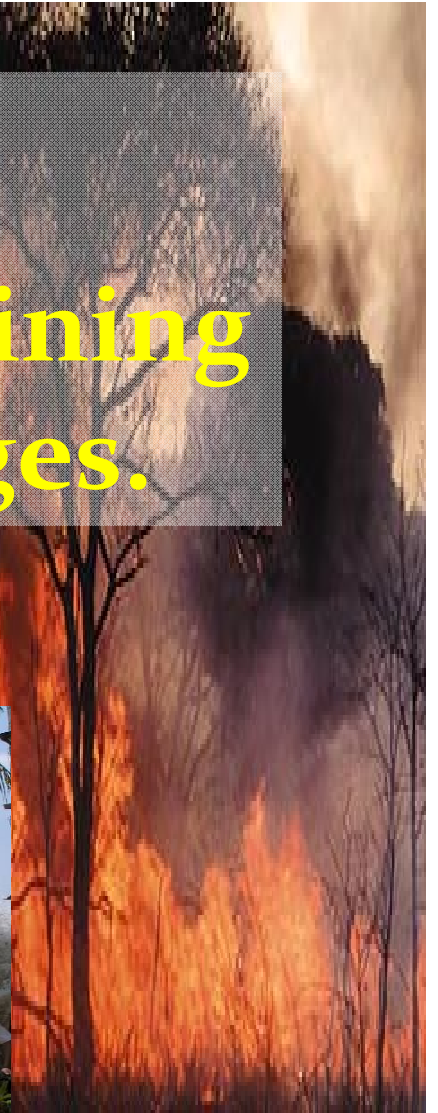


Disaster Management Training and Education: Challenges.

Devore fire 7-28-01

Photo credit: W. Taylor



Challenges for training the next generation

- # Future specialists and scientist
- # Challenge for graduate training (M and PhD) (SA)
 - # Pre grad numbers increased but stagnation in post grad students
 - # Discrepancy in salaries. Academy and research not attractive
- # Disaster Management graduate training
 - # Profile of disaster manager?
 - # Multi disciplinary
 - # Specialization?
 - # Capacity to provide training
 - # Need capacity amongst current officials (Cannot wait for next generation)

Alternative training options

- # Short courses ????.
 - # Cannot replace graduate training
 - # Money making industry
 - # False sense of capacity amongst students
 - # Certificate collection
 - # Definitely can play a role in capacity building, provided....that its focused, evaluated, presented by experts themselves.
- # Diplomas ??
- # Learnerships
 - # Must for young graduates
- # Mentorship programs
 - # Under utilised because mentors not equipped

Solution?

Case study of UFS-DiMTEC

- # They who don't make mistakes probably never try.....
- # Course developed and registered as a result of DM Act in SA (Act 57,2002)
- # Structured Masters with research component
- # Exit qualification after 1st year with Higher University Diploma
- # 95% of students are practitioners
- # Representing Government, Municipalities, NGO's, UN, Private sector
- # Lean and mean management structure (Efficient ito. personnel, funding, resources)

Main focus areas

- # Education
 - # Masters degree
 - # Short courses
- # Research
 - # Masters dissertations
 - # Disaster Early Warning Research Centre
(<http://dimtecrisk.ufs.ac.za>)
- # Community Service
- # Consultancy



MASTERS DEGREE IN DISASTER MANAGEMENT

RESEARCH DISSERTATION

**Trauma
Management**

**Political
Strategic
Planning**

**Information
Management**

**Ethnic & cultural
Factors in human
Settlement**

**Management of
Media
Relations**

**Disaster Impact
Assessment**

**Disaster Risk and
Vulnerability and
Assessment**

FIRST YEAR MASTERS WITH OPTION ADVANCED DIPLOMA

**RESEARCH METHODOLOGY
HAZARDS AND DM.
STRATEGIC DISASTER MANAGEMENT
DM PRINCIPLES & PRACTICES**

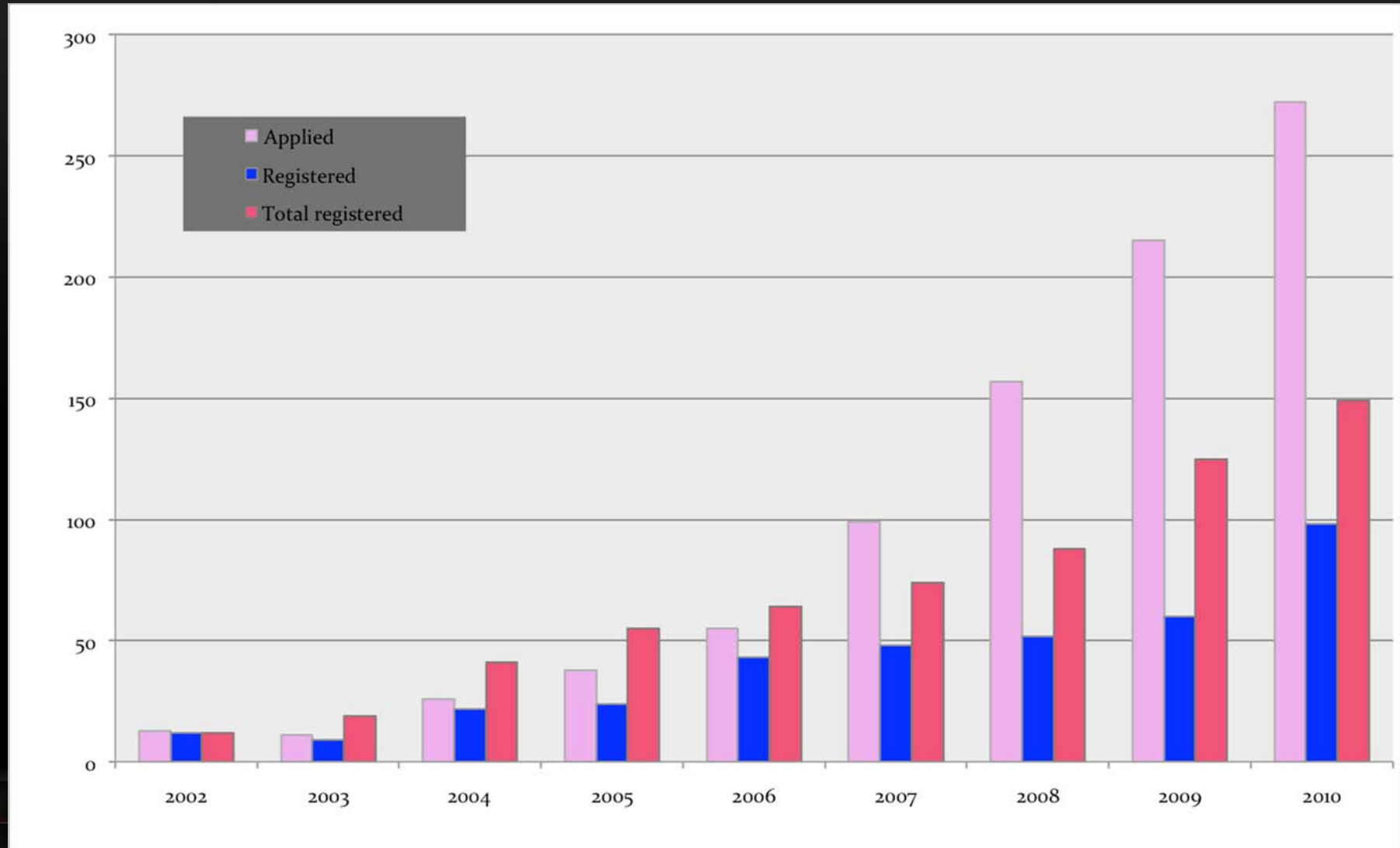
**DISASTER RISK MANAGEMENT
INFORMATION TECHNOLOGY IN DI.
PUBLIC HEALTH
MANAGEMENT OF DISASTERS**

**3 Yr degree plus
Hons. or
3 Yr degree plus
experience**

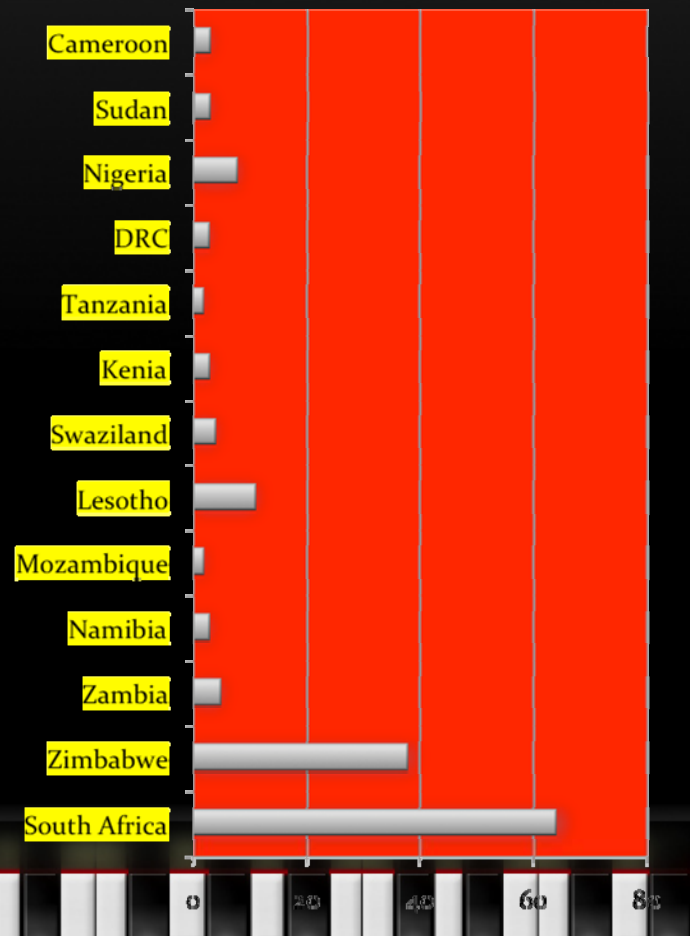
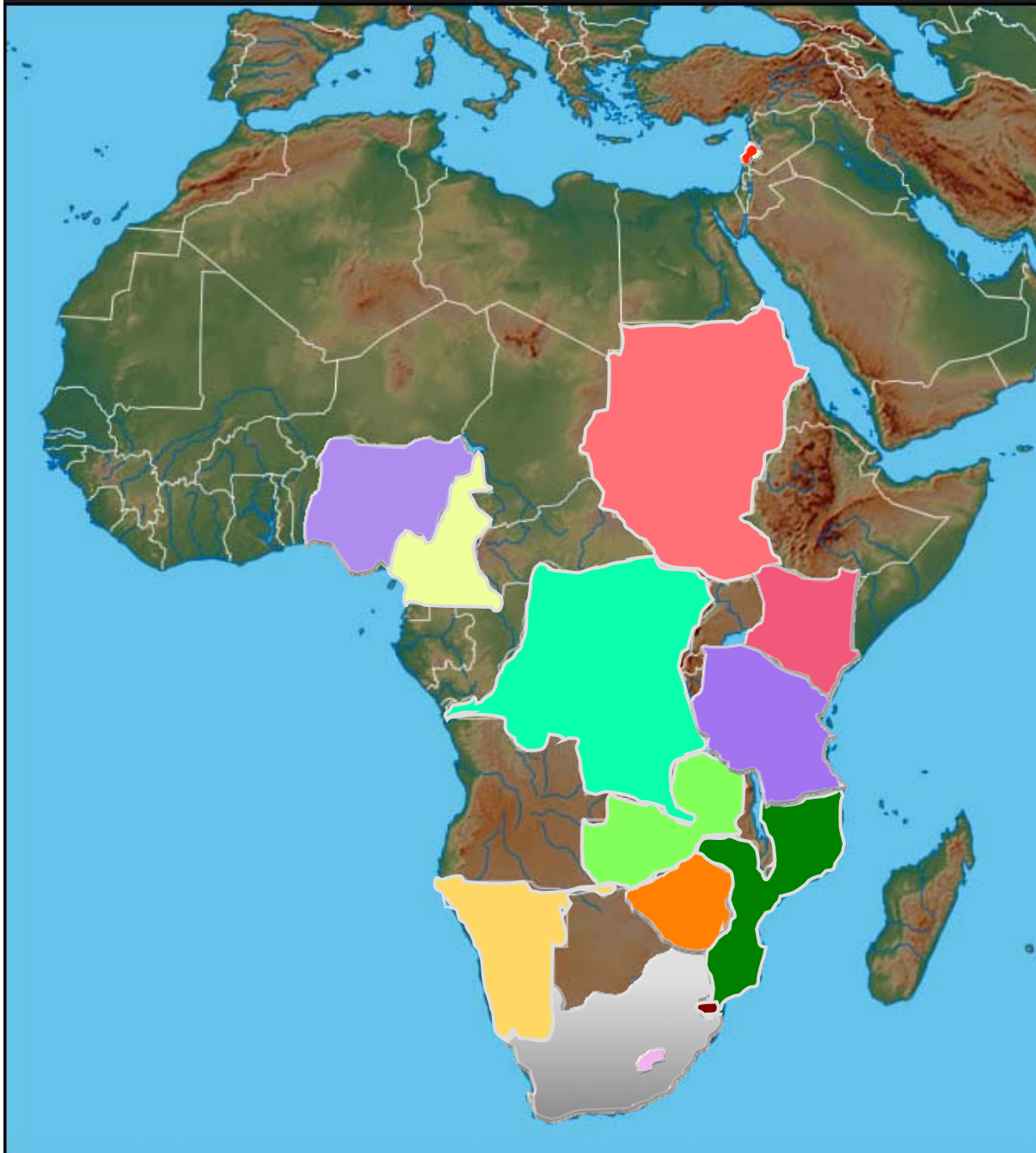
**Recognition for
Prior learning**



Nr Masters students 2002 - 2010

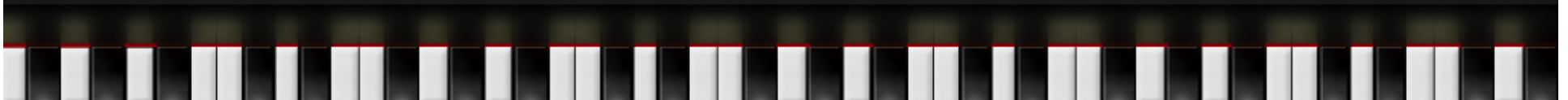


UFS-DiMTEC footprint in Africa



Why the success?

- # Multi disciplinary with focus on risk reduction
- # High standards
- # Strict discipline
- # Expert lecturers
- # E-learning/distance learning
- # Needs based
- # Graduates perform well in work place – word of mouth
- # Disaster management prominent in media
- # Needs based



Short courses

DMS 001	Sphere Project, Humanitarian Charter & Min. Standards in disaster response.		3 – 5 days.	TBA
DMS 002	Overview: Disaster Management		2 – 3 days	TBA
DMS 003	Geographical information systems (GIS) for disaster risk management.		4 – 6 days	TBA
DMS 004	Political strategic planning		5 days	TBA
DMS 005	Disaster information and communication management		2 – 3 days	TBA
DMS 006	Project Management and Design		3 days	TBA
DMS 007	Public health and disaster management		3 days	TBA
DMS 008	Disaster Risk management, vulnerability and capacity assessment		3- 5 days	TBA
DMS 009	Drought management and planning		3 days	TBA
DMS 010	Flood management		3 days	TBA
DMS 011	Psychosocial support		2 – 3 days	TBA
DMS 012	Conflict management and resolution		3 days	TBA
DMS 013	Disaster impact assessment		3- 5 days	TBA
DMS 014	Research methods and techniques for disaster management.		4 days.	TBA



Intl. Research Projects

Swaziland

- # Drought
- # Terrorism
- # HIV/AIDS

Zimbabwe

- # Drought
- # Floods
- # HIV/AIDS
- # Institutional arrangements
- # Humanitarian relief
- # Gender and droughts
- # Community vulnerability

Zambia

- # Droughts
- # Business continuity

Namibia

- # Food security

• Kenia

- Community vulnerability
- Food security

• Tanzania

- Fire risks at schools
- HIV/AIDS

• Mozambique

- Floods

• Sudan

- Early warning and food security

• Nigeria

- **IMPACT OF CULTURE ON HIV/AIDS**
- **OIL SPILLS**

• Lesotho

- Snow
- HIV/AIDS

SA Research Projects

- # Droughts
- # Floods
- # Risk assessments
- # HIV/AIDS
- # Community resilience
- # Saving clubs
- # Institutional arrangements
- # Geo-spatial
- # Stock theft
- # Veld fires
- # Settlement fires
- # Early warning systems
- # Conflict in Africa
- # Food security
- # Vulnerability assessments

- Disaster management planning
- Telephone banking as tool for community resilience

Collaborators

- # UNU-EHS (MOU)
- # UNU-ViE
- # UN-SPIDER
- # NDMC
- # International Universities (Bonn, Minnesota, Zimbabwe, NUST, Brazzaville, Beira, Nairobi, Khartoum)
- # NW University
- # USAID
- # CARE-Africa
- # FETwater/Waternet
- # SAC ?

In conclusion

- # Demand for graduate training in Africa is large
- # Capacity to provide graduate training is limited
- # Need specialist training
 - # Remote sensing
 - # Incident Command
 - # Water related disaster management – hydrology, water quality, water management
- # What is expected from the disaster manager???????
- # Need guidelines for research topics from practitioners
- # Funding for research
- # Study leading
- # Funding for international students
- # Inputs in curriculum development

Recommendations:

- # Linkages and collaborations
- # Joint curricula/degrees between Universities
- # Universities to be included in partnership agreements
- # Utilization of potential at Universities
- # Funding to centres of excellence
- # Data availability
- # Involvement of specialists

**WINNERS NEVER
FOR THEIR
CREDITS**

that defines the
and the past
that the
of that
re.

Thank You!

The real
boundary between
is the mastery of
future is more than an
men and women are not pass-

(Peter L Bernstein; Against the Gods: The Remarkable Story of Risk)

