

## **Disaster Risk Reduction: Cases from Urban Africa**

### **The writing team:**

*Osman Alhassan, Paulina E. Amponsah, Sebastian Avle, Djillali Benouar, Bruno Haghebaert, E. K. Bosque-Hamilton, Khady Diagne, Ailsa Holloway, Robert B. Kiunsi, Fred Lerise, John Lupala, Benedict Malele, Emanuel Mchome, Manoris Meshack, Yamina Ait Meziane, J. S. Nabila, Ally Namangaya, Abdoulaye Ndiaye, C. M. Ooko Nguka, Caroline Ochieng, James Okello, Mark Pelling, Robyn Pharoah, David Satterthwaite, Jacob Songsore, Ana Peña del Valle, Ben Wisner, Yvon Yangyuoru, Andre Yitambe.*

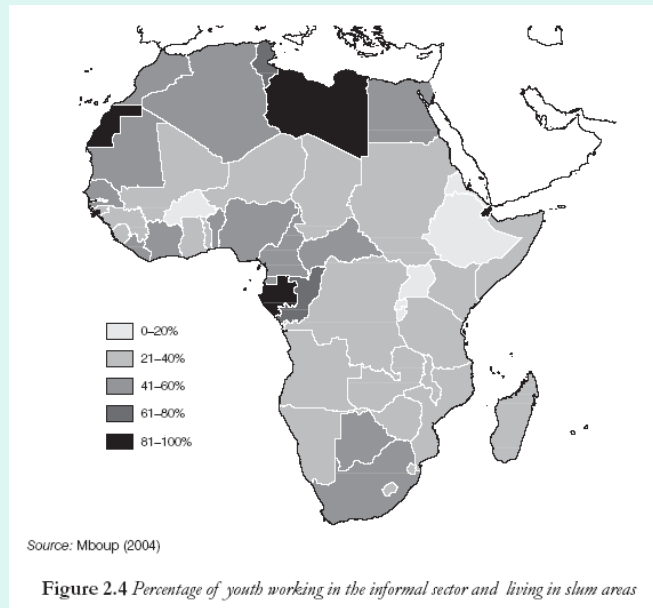
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### **Aims:**

- **To... prepare for Africa's urban future**
- **By... exploring the multi-hazard context of urban disaster risk**
- **Through... action-research methods**



**Table 2.3** Comparing disasters, small disasters and everyday risks in urban Africa

Nature of event	Disasters	Small disasters	Everyday hazards
Frequency	Generally infrequent	Frequent (often seasonal)	Every day
Scale	Large, or potential to be large (e.g. 10 or more killed, 100 or more seriously injured, need for external assistance)	3-9 persons killed, 10 or more injured	1-2 persons killed, 1-9 injured
Total impact	Can be catastrophic for particular places and times for most low- and middle-income nations, but generally a low overall contribution to premature death and serious injury	Probably a significant and considerably under-estimated contribution to premature death and serious illness or injury	In most African urban areas, these remain the main cause of premature death and serious injury
An integrated framework incorporating risk from disasters and 'non-disaster' events	VERY LARGE IMPACT FOR CITY	CONTINUUM OF RISK	SMALL IMPACT FOR CITY
	LOW FREQUENCY		VERY HIGH FREQUENCY

Source: Bull-Kamanga et al (2003)

**Table 3.1** *Urban disaster risk reduction: Multiple activities and stakeholders*

<i>Professional Community</i>	<i>Development Planning</i>	<i>Development Regulation</i>	<i>Risk Management</i>	<i>Emergency Management</i>
Core activities	Land use, transport, critical infrastructure	Building codes, pollution control, traffic policing	Vulnerability and risk assessment, building local resilience	Early warning, emergency response and reconstruction planning
Primary stakeholders	Urban planners, city engineers, critical infrastructure planners, homeowners, private property managers, investors, transportation users, taxi drivers' associations, other professional associations, academia	Environmental regulation, law enforcement, contractors, factory owners, drivers' and transporters' associations	Primary health care, sanitation and water supply, community development, local economic development, infrastructure management, waste haulers' associations, water users' representatives	Environmental monitoring, emergency services, civil defence, disaster management coordination, fire fighters, police, military, Red Cross/Crescent societies

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## Case studies

- **Integrated Disaster Risk and Environmental Health Monitoring: Greater Accra Metropolitan Area, Ghana.** *Jacob Songsore et al.*
- **Road Traffic Accidents as an Everyday Hazard: Kisii and Kisumu, Kenya.** *Andre Yitambe et al.*
- **Fire Risk in Informal Settlements in Cape Town, South Africa.** *Robyn Pharoah*
- **Building Disaster Resilient Communities: Dar es Salaam, Tanzania.** *Robert B. Kiunsi, John Lupala et al.*
- **History, Governance and the Millennium Development Goals: Flood Risk Reduction in Saint-Louis, Senegal.** *Khady Diagne and Abdoulaye Ndiaye*
- **Earthquake Disaster Risk Reduction in Algiers, Algeria.** *Djillali Benouar and Yamina Ait Meziane*