



Gravitazz Institute

For disaster reduction and emergency management

Training Outline:

Monitoring, Early Warning and Early Response to Emergencies

As disaster risk management practitioners and managers, what can we do to ensure that our communities are better equipped to prevent, prepare for and respond to disaster onsets? Early warning and early response mechanisms are key to effective disaster management. We have learned that a hazard is only a hazard until it affects us – and thereby becomes a disaster. Often our populations are caught in disastrous situations because they did not see the signs. In a sudden onset of disaster, the first few hours are also crucial for life-saving activities. The bulk of losses both human and material are recorded during the first 48 hours of the event.

Hence, it is crucial to manage hazards through constant monitoring and establishment of multi-hazard early warning and early response systems in order to lessen the possibilities of disasters. This course is designed to enable participants develop their own mechanisms based on their hazards and availability of capacities.

Target Audience: This training is meant for practitioners, decision and policy makers working in the development/environment/climate change adaptation sectors and specifically those in disaster management, volunteers and staff working with organizations tasked with human development. This includes individuals working with government institutions, NGOs the UN, intergovernmental bodies and the private sector. Students and young professionals who would like to increase their knowledge in the field are also welcome.

Duration: 3 days

Language: English

PLEASE NOTE:

This course can be customized for your institution upon request.

About this Course

This course will allow participants to familiarize themselves with the development, implementation and monitoring of multi-hazard early warning systems in the context of disasters and humanitarian emergencies. Methods for Early Warning involve – amongst others – risk identification, contingency planning and information management in order to result in effective early response in case of emergency. This course will articulate how to make use of different technological tools and early warning systems to inform decisions, improve prevention, preparedness and response in emergency situations. The course will also discuss the essential partnership between humanitarian actors, communities and implementing partners involved in early warning systems.

Expected Outcomes

The objective of this course is to strengthen participants' understanding of multi-hazard early warning systems by giving them comprehensive theoretical and practical insights on the matter, in order to provide them with a unique opportunity to develop and implement such systems in their workplace and contribute to building resilient and prepared communities.

Proposed Content

NOTE: *This content is subject to change and can be customized for your institution upon request.*

Session 1: Introduction to “Multi-Hazard Early Warning Systems” and “Preparedness”

- Concepts of DRM and EWS
- Background and context of EWS
- Types of hazards to be monitored

Session 2: Risk Analysis and Assessments

- Categories of risk
- Conducting multi-hazard risk assessments
- Contingency planning
- Climate and disaster risk insurance mechanisms

Session 3: Monitoring and Warning

- Setting up Multi-Hazard Early Warning Systems
- Use of technology for EWS (e.g. GIS, remote-sensing, forecast-based tools)
- Use of indigenous knowledge

Session 4: Dissemination and Communication

- Setting up Information Management systems
- Community participation, public education and risk awareness
- Dissemination of warnings: tools and methods

Session 5: Planning and organizing the disaster/emergency response

- Phases of the response cycle
- Key principles of humanitarian action
- Early response procedures (e.g.:
 - Immediate life-saving assistance;
 - Evacuations;
 - Search and rescue;
 - Damage, loss and needs assessments
 - Health Emergencies)

Training fee

The **course fee of \$800 per participant** covers the course tuition, training materials, two break refreshments, lunch, and study visits. A **discount of \$150** will be applied should an organization decide to cover venue and catering costs for the 3 days of the training.

All participants will additionally cater for their travel expenses, accommodation, visa application, insurance, and other personal expenses. Accommodation and shuttle services can be arranged upon request. Gravitazz will also provide invitation letters for the trainings should it be necessary.

Payment Information

Payment should be transferred to Gravitazz Institute bank account (See details below) 15 days before commencement of training. Please send proof of payment to info@gravitazzcontinental.com

Account Holder: GRAVITAZZ CONSULTING PTY LTD

Bank: FIRST NATIONAL BANK (FNB)

Account Number: 62598532862

Branch Name: GREENSTONE

Branch Code: 201510

* **Swift Code** (for international payments): FIRZAJJ