

Disaster Risk Mgmt: Hazard Assessment & Sendai

Learn to assess hazards and vulnerabilities and plan disaster risk reduction strategies aligned with the Sendai Framework.

2 Days

DURATION

7

MODULES

24

TOPICS

COURSE OVERVIEW

This course covers the foundational concepts of disaster risk management, including key definitions and the disaster management cycle, followed by the classification and profiling of natural, technological and human-induced hazards. It then addresses methods for hazard identification, exposure analysis and vulnerability assessment, alongside the institutional frameworks and policies that guide disaster risk reduction, including the Sendai Framework and the SDGs. The course continues with structural and non-structural risk reduction strategies, disaster preparedness planning, early warning systems and emergency response coordination. It concludes with approaches for building resilient communities and organisations through education, capacity-building and the inclusion of vulnerable groups.

WHO THIS COURSE IS FOR

Target Audience:

Government officials, corporate managers, emergency response teams, NGO workers, community leaders, and anyone responsible for planning and executing disaster risk reduction strategies

LEARNING OBJECTIVES

Training Objectives:

- Understand the fundamental concepts of disaster risk management
- Identify and assess potential hazards and vulnerabilities
- Learn strategies for risk reduction and disaster preparedness
- Understand institutional frameworks and policies
- Develop community and organizational resilience through planning and simulations

7 Modules, 24 Topics

DAY 1 Foundations of Disaster Risk Management

01

Introduction to Disaster Risk Management

TOPICS

- **Definitions:** Disaster, Hazard, Vulnerability, Capacity, Risk
- Difference between Disaster Management and Disaster Risk Management
- **The Disaster Management Cycle:** Mitigation, Preparedness, Response, and Recovery
- Importance of a proactive risk reduction approach

02

Types of Hazards and Vulnerabilities

TOPICS

- **Classification:** Natural, Technological, Human-Induced
- Hazard profiling (earthquakes, floods, cyclones, pandemics, industrial accidents, etc.)
- **Vulnerability and capacity analysis:** social, physical, economic, and environmental factors

03

Risk Assessment and Analysis

TOPICS

- **Steps in risk assessment:** hazard identification, exposure analysis, vulnerability assessment
- Tools and techniques for risk analysis (Hazard maps, matrix methods, GIS overview)
- Community and organizational risk assessment methodologies

04

Institutional Frameworks and Policies

TOPICS

- International frameworks (Sendai Framework for Disaster Risk Reduction, SDGs)
- National disaster management policy and institutional frameworks
- Roles and responsibilities of local authorities and stakeholders

05

Disaster Risk Reduction (DRR) Strategies

TOPICS

- Structural and non-structural measures
- Urban planning, land use, and building codes
- Community-based disaster risk reduction (CBDRR)
- **Risk transfer mechanisms:** insurance, contingency funds

06

Disaster Preparedness Planning

TOPICS

- Components of a disaster preparedness plan
- Early warning systems and communication protocols
- Emergency response plans and SOPs
- Coordination among stakeholders

07

Building Resilient Communities and Organizations

TOPICS

- Education, awareness, and capacity-building approaches
- Inclusion of vulnerable groups in DRM strategies
- Role of NGOs, volunteers, and local leadership

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com

✉ info@koenig-solutions.com