

## **Introductory Notes**

The Scientific and Technical Committee, at its third session, considered that there is a need to supply the IDNDR National Committees with information on selected Guides, Manuals and other instructional Materials (e.g. videos) used for Natural Disaster Mitigation and/or Management, prepared by national and/or international organizations and entities.

The IDNDR Secretariat invited in particular the organizations and entities listed in Annex 1 to this compendium to supply the information as indicated in Annex 2.

The material received has been compiled in a Compendium which includes material published in the last five years.

The Secretariat would appreciate it if National Committees or organizations, which have prepared and published similar material not included in this Compendium could kindly supply this information (following the format of the Compendium sheets) to the IDNDR Secretariat for inclusion.

Any comment and suggestion may be also sent to the IDNDR Secretariat, Palais des Nations, Geneva, Switzerland.

# Compendium of information on selected Guides and Manuals on Disaster Management

## CONTENTS:

	Page #
<b>Assessment</b>	
Selection of Distribution Types for Extremees of Precipitation (WMO) . . . . .	4
Hydrological Aspects of Combined Effects of Storm Surges and Heavy Rainfall on River Flow (WMO) . . . . .	5
Statistical Distributions for Flood Frequency Analysis (WMO) . . . . .	6
Guide to Hydrological Practices (WMO) . . . . .	7
Rapid Assessment Protocols (WHO) . . . . .	8
Source-Book for Volcanic Hazard Zonation (UNESCO) . . . .	10
Landslide Hazard Zonation (UNESCO) . . . . .	11
Assessment and Mitigation of Earthquake Risk in the Arab Region (UNESCO) . . . . .	12
The Assessment and Mitigation of Earthquake Risk (UNESCO) . . . . .	13
The Challenge of African Disasters (WHO/UNITAR) . . . .	14
<b>Forecasting/Early Warning</b>	
Manual for Estimation of Probable Maximum Precipitation (WMO) . . . . .	15
Human Response to Tropical Cyclone Warnings and their Content (WMO) . . . . .	16
Tropical Cyclone Warning Systems (WMO) . . . . .	17
Earthquake Prediction - Proceedings of the International Symposium on Earthquake Prediction (Terrapub/UNESCO) .	18
<b>Mitigation/Management</b>	
Disaster Management Manual (UNDP/UNDRO) . . . . .	19
Disaster and Emergency Management.A Study on UNDP's Role, Responsibilities and Institutional Memory (UNDP)	20

Disaster Management - A Disaster Manager's Handbook (Asian Development Bank) . . . . .	21
Disaster Mitigation in Asia and the Pacific (Asian Development Bank) . . . . .	22
Primer on Natural Hazard Management in Integrated Regional Development (OAS) . . . . .	23
Mitigating Natural Disasters Phenomena, Effects and Options - A manual for Policy Makers and Planners (UNDRO) . . . . .	24
<b>Preparedness</b>	
Guidelines for Disaster Prevention and Preparedness in Tropical Cyclone Areas (WMO/ESCAP/LRCS) . . . . .	25
Health Aspects of Emergency Preparedness (WHO) . . . . .	26
Protection of Educational Buildings against Earthquakes (UNESCO) . . . . .	27
School Buildings and Natural Disasters (UNESCO) . . . . .	28
African Disaster Handbook (WHO) . . . . .	29
Disasters in Africa: Guidelines for Disaster Preparedness and Response (OAU/UNDP) . . . . .	30
Disaster Training Curriculum (WHP/EPR) . . . . .	31
WHO/EPR Educational Package (WHO/EPR) . . . . .	32
<b>Relief</b>	
Assistance in Emergencies - A resource handbook for UNICEF field staff (UNICEF) . . . . .	33
The New Emergency Health Kit: List of Drugs and Medical Supplies for 10,000 People for Approximately 3 Months (WHO) . . . . .	34
WHO Action in Emergency and Disasters (EPR/WHO) . . . . .	35
(PAHO Scientific Publications) . . . . .	36
<b>Annex 1</b> . . . . .	37
<b>Annex 2</b> . . . . .	38

(Assessment)

**Title:** Selection of Distribution Types for Extremes of Precipitation. WMO No. 560

**Author:** WMO

**Publisher:** WMO (1981)

**Contents:** (64 pp, English)  
Reviewed are methods of selecting distribution types for the analysis of extremes of precipitation and results obtained, bearing in mind the effects of climate, seasonal and geographical patterns and the duration of precipitation. A practical example is included.

**Order from:** (for all countries except the USA and Canada)

The Secretary-General  
World Meteorological Organization  
PO Box 2300  
CH-1211 Geneva 2, Switzerland

(orders from the USA and Canada)

American Meteorological Society  
Attn: WMO Publication Center  
45 Beacon Street  
Boston MA 02108, USA

(Assessment)

**Title:** Hydrological Aspects of Combined Effects of Storm Surges and Heavy Rainfall on River Flow  
WMO No. 704

**Author:** WMO

**Publisher:** WMO (1988)

**Contents:** (72 pp, English)  
This report is concerned with the flood hydrology of those lower reaches of rivers where sea level can influence flood levels. It is the outcome of two reports, one on hydrological aspects of the combined effects of storm surge and heavy rainfall on river flow, and the other on the frequency of flooding in rivers subject to sea/storm surges and rainfall/induced floods. At the instigation of the Commission for Hydrology the reports were combined and further expanded to include guidance material on flood modelling in tidal areas and material on forecasting centres.

**Order from:** (for all countries except the USA and Canada)

The Secretary-General  
World Meteorological Organization  
PO Box 2300  
CH-1211 Geneva 2, Switzerland

(orders from the USA and Canada)

American Meteorological Society  
Attn: WMO Publication Center  
45 Beacon Street  
Boston MA 02108, USA

(Assessment)

**Title:** Statistical Distributions for Flood Frequency Analysis, WMO No. 718

**Author:** WMO

**Publisher:** WMO (1989)

**Contents:** (115 pp, English)  
A report containing detailed guidance on the merits and selection of distribution types for flood frequency analysis, prepared by Dr. C. Cunnane of the Department of Engineering Hydrology, University College, Galway, Ireland.

**Order from:** (for all countries except the USA and Canada)

The Secretary-General  
World Meteorological Organization  
PO Box 2300  
CH-1211 Geneva 2, Switzerland

(orders from the USA and Canada)

American Meteorological Society  
Attn: WMO Publication Center  
45 Beacon Street  
Boston MA 02108, USA

(Assessment)

**Title:** Guide to Hydrological Practices, WMO No. 168

**Author:** WMO

**Publisher:** WMO (1981)

**Contents:** (2 volumes, English, French, Russian, Spanish)

Volume I Data Acquisition and Processing: this volume contains chapters on general aspects, instruments and methods of observation, design of networks, and collection, processing and publishing of data.

Volume II Analysis, Forecasting and Other Applications: this volume covers hydrological analysis, hydrological forecasting and applications to water management.

**Order from:** (for all countries except the USA and Canada)

The Secretary-General  
World Meteorological Organization  
PO Box 2300  
CH-1211 Geneva 2, Switzerland

(orders from the USA and Canada)

American Meteorological Society  
Attn: WMO Publication Center  
45 Beacon Street  
Boston MA 02108, USA

**Title:** Rapid Assessment Protocols

**Author:** WHO/Centre for Research on the Epidemiology of Disasters (CRED), Belgium/Centers for Disease Control (CDC), USA/National Public Health Institute, Department of Environmental Hygiene and Toxicology, Finland.

**Publisher:** WHO (1990)

**Contents:** (a series of 9 protocols\*, english)

Each protocol is organized into three sections:

- Section A:** Preparedness checklist.  
Provides a simple checklist of key questions for WHO and national health personnel to review when assessing the preparedness capacity of the health sector at a national level.
- Section B:** Rapid assessment protocol.  
Outlines the major principles and steps in rapid assessment of emergencies and disasters, and includes a strong emphasis on preparedness.
- Section C:** Information checklist and telex requirements (this section omitted in first protocol). Summarizes the key items of information necessary to collect during a rapid assessment of a potential or actual health emergency. It gives an example of a telex or fax to be transmitted to the regional office and WHO headquarters, which includes key information required at these levels to support national emergency response.

\*listed on next page

**Order from:** Division of Emergency Relief Operations  
World Health Organization  
20 avenue Appia  
Ch-1211 Geneva, Switzerland



(Assessment)

**Title:** Rapid Assessment Protocols

ERO/EPR/90.1.1 Introduction to Rapid Health Assessment (16 pp);

ERO/EPR/90.1.2 Rapid Health Assessment in Epidemics: First Steps (14 pp);

ERO/EPR/90.1.3 Rapid Health Assessment in Meningitis Outbreaks (13 pp);

ERO/EPR/90.1.4 Rapid Health Assessment in Outbreaks of Viral Hemorrhagic Fever, Including Yellow Fever (17 pp);

ERO/EPR/90.1.5 Rapid Health Assessment in Outbreaks of Acute Diarrhoeal Disease (12 pp);

ERO/EPR/90.1.6 Rapid Health Assessment in Sudden Impact Natural Disasters (17 pp);

ERO/EPR/90.1.7 Rapid Health Assessment in Sudden Population Displacements (21 pp);

ERO/EPR/90.1.8 Rapid Health Assessment in Suspected Famine Situations (15 pp);

ERO/EPR/90.1.9 Rapid Health Assessment in Chemical Emergencies (22 pp);

ERO/EPR/90.1.9 Rapid Health Assessment in Outbreaks of Viral Hemorrhagic Fever, Including Yellow Fever (17 pp);

**Title:** Source-Book for Volcanic Hazards Zonation (UNESCO  
"Natural Hazard" Series, #4)

**Author:** UNESCO

**Publisher:** UNESCO, Paris, 1984

ISBN 92 3-102111-7

**Contents:** (97pp, English)  
The objective of this book is to describe ways in  
which direct and indirect hazards from future  
volcanic eruptions can be assessed and their  
location shown on maps.

- I. Introduction
- II. Types of potentially hazardous volcanic  
events
- III. Information necessary for volcanic-hazards  
assessments
- IV. Cartographic representation of volcanic  
hazards

**Order from:** UPO / V  
UNESCO  
7 place Fontenoy  
75007 Paris, France

**Title:** Landslide Hazard Zonation: a review of principles and practice (UNESCO "Natural Hazards" series, #3)

**Author:** UNESCO

**Publisher:** UNESCO, Paris, 1984

ISBN 92 3-202895-7

**Contents:** (63 pp, English)  
The purpose of this book is to present basic studies on landslide hazards zoning, reviewing principles and practice in this field.

- I. Introduction
- II. Definitions and principles
- III. Identification of causative conditions and processes for landslides
- IV. Investigations
- V. Analysis of data with examples
- VI. Some governmental and private responses
- VII. Summary of operational precepts

**Order from:** UPO / V  
UNESCO  
7 place Fontenoy  
75007 Paris, France

(Assessment)

**Title:** Assessment and Mitigation of Earthquake Risk in the Arab Region

**Author:** UNESCO (editor)

**Publisher:** UNESCO, Paris, 1983

**Contents:** (251 pp, English)  
This book presents technical reports compiled by leading authorities in the field of seismology and earthquake engineering on their knowledge relevant to earthquake studies in the Arab Region.

- I. Earthquake damage in the Arab region
- II. Seismicity in the Arab region: retrieval and evaluation of macroseismic data
- III. A summary of the seismotectonics of the Arab region
- IV. Selected bibliography of the Arab region and surrounding areas
- V. Evaluation of earthquake hazards
- VI. Seismograph networks in the Arab region: requirements, existing facilities and plans
- VII. Seismic networks in the Arab region: instrumentation and data acquisition, analysis and storage
- VIII. Engineering measures for earthquake risk reduction in the Arab countries
- IX. An integrated information system for a programme for assessment and mitigation of earthquake risk in the Arab region

**Order from:** Division of Earth Sciences  
UNESCO  
7 place Fontenoy  
75007 Paris, France

**Title:** The Assessment and Mitigation of Earthquake Risk

**Author:** UNESCO (editor)

**Publisher:** UNESCO, Paris, 1978

ISBN 92 3-101451 X

**Contents:** (341 pp, English/French/Russian/Spanish)  
The book presents the summary of the knowledge available in 1978 with leading authorities in the field of seismology, earthquake engineering, and the social and economic aspects of earthquake risk.

- I. Assessment of earthquake risk
- II. Engineering measures for loss reduction
- III. Implications of earthquake risk
- IV. Final Report of the Intergovernmental Conference on the Assessment and Mitigation of Earthquake Risk, Paris, 10-19 February 1976

**Order from:** UPO / V  
UNESCO  
7, place Fontenoy  
75007 Paris, France

**Title:** The Challenge of African Disasters

**Author:** Olavi Elo et al

**Publisher:** WHO/UNITAR 1991

**Contents:** The aim of this book is twofold: the first being to sensitize the readers to the issue of disasters, their multi-faceted effects on African societies, and the importance of preparedness in disaster mitigation; the second was to offer a substantial contribution to the IDNDR.

- I. Disasters and the challenge for the 1990's
- II. Health Aspects
- III. Communicable diseases as emergencies
- IV. Floods and tropical storms
- V. Refugees and displaced persons
- VI. Famine causes and health consequences
- VII. Socio-political factors in the provision of disaster relief assistance in Africa
- VIII. Training and education for disaster preparedness

Concluding remarks: Disaster reduction policies at the dawn of 1990s: a potential threat to development

**Order from:** WHO/EPR Panafrican Center  
or  
UNITAR  
801 UN Plaza  
New York, NY 10017, USA

(Forecasting/Early Warning)

**Title:** Manual for Estimation of Probable Maximum  
Precipitation, WMO No. 332

**Author:** WMO

**Publisher:** WMO (1986)

**Contents:** (269 pp, English)  
The manual describes procedures for estimating  
probable maximum precipitation (PMP) for  
hydrological forecasting and design purposes.

- I. Introduction
- II. Estimates for middle-latitude non-orographic  
regions
- III. Estimates for middle-latitude orographic  
regions
- IV. Statistical Estimates
- V. Generalized estimates
- VI. Estimates for tropical regions

**Annexes:**

- 1. Tables of precipitable water in the  
saturated pseudoadiabatic  
atmosphere
- 2. Greatest known rainfalls
- 3. Glossary

**Order from:** (for all countries except the USA and Canada)

The Secretary-General  
World Meteorological Organization  
PO Box 2300  
CH-1211 Geneva 2, Switzerland

(orders from the USA and Canada)

American Meteorological Society  
Attn: WMO Publication Center  
45 Beacon Street  
Boston MA 02108, USA

(Forecasting/Early Warning)

**Title:** Human Response to Tropical Cyclone Warnings and Their Content  
WMO/TD-No. 301, Report No. TCP-11

**Author:** WMO

**Publisher:** WMO (1983, reprinted 1989)

**Contents:** (138 pp, English)  
The report describes the formulation of the warning and the human response to the warning for the threat of danger caused by tropical cyclones as an effective disaster preparedness system.

- I. The Warning System
- II. Current Practices in the Development of Warning Messages
- III. Developing Strategies for More Effective Tropical Cyclone Warning Terminology
- IV. Case Histories: Public Reactions to Warnings
- V. Impact of Cultures and Levels of Education on Public Response
- VI. Summary of Guidelines for Writing Cyclone Warning Messages and Sociological Factors Affecting Message Content

**Appendices:** 1. Terminology for Tropical Cyclones  
2. Effectiveness of Tropical Cyclone Warning Terminology (A Study at Port Hedland, Western Australia)

**Order from:** (for all countries except the USA and Canada)

The Secretary-General  
World Meteorological Organization  
PO Box 2300  
CH-1211 Geneva 2, Switzerland

(orders from the USA and Canada)

American Meteorological Society  
Attn: WMO Publication Center  
45 Beacon Street  
Boston MA 02108, USA



**Title:** Tropical Cyclone Warning Systems  
WMO/TD-No. 394. Report No. TCP-26.

**Author:** WMO

**Publisher:** WMO (1990)

**Contents:** (171 pp, English)  
The report describes measures in the mitigation of harmful effects of tropical cyclones through the establishment of tropical cyclone warning systems.

- I. The organization of tropical cyclone warning system: a global perspective
- II. International and national framework for the development of tropical cyclone warning systems
- III. Risk evaluation
- IV. Social and behavioral aspects of tropical cyclone warning systems
- V. Tropical cyclone warning centers
- VI. Tropical cyclone warning system manuals
- VII. Tropical cyclone messages and signals
- VIII. Tropical cyclone warning dissemination
- IX. Tropical cyclone monitoring and prediction
- X. Guidelines for provision of tropical cyclone warnings in countries without meteorological forecasting capability
- XI. Future directions

**Order from:** Tropical Cyclone Programme Office  
World Weather Watch Department  
World Meteorological Organization  
PO Box 2300  
CH-1211 Geneva 2, Switzerland

(Forecasting/Early Warning)

**Title:** Earthquake Prediction - Proceedings of the  
International Symposium on Earthquake Prediction  
(Paris, April 2-6, 1979)

**Publisher:** Terrapub (Tokyo), UNESCO (Paris), 1984

ISBN 92 3-101883-3 (UNESCO Press)

**Contents:** (995 pp, english)  
The book presents the state-of-art of earthquake  
prediction as revealed at the Symposium, held at  
UNESCO HQs.

- I. Earthquake Precursors
- II. Physical Process, Experiment and Theory
- III. Methods of Earthquake Prediction
- IV. Individual and Group Response
- V. Economics of Earthquake Prediction
- VI. The Role of Institutions
- VII. Communication of Predictions and Warnings

**Order from:** (for all countries except Japan)

UPO / V  
UNESCO  
7 place Fontenoy  
75007 Paris, France

(for orders from Japan only)  
Terra Scientific Publishing Company  
307 Shibuyadai-haim, 4-17 Sakuragaoka-cho  
Tokyo 150, Japan

(Mitigation/Management)

**Title:** Disaster Management Manual

**Author:** UNDP/UNDRO

**Publisher:** United Nations, New York, USA, 1991

**Contents:** (English)

Focus is on disasters and emergency situations which directly affect human populations. It does not cover "ecological disasters" such as oil spills.

I. Tasks, Roles and Resources

II. Assistance to Risk Reduction and Preparedness

III. Preparedness within the UN Team

IV. Responding to a sudden Disaster

V. Managing Major/Protracted Emergencies

VI. Rehabilitation and Reconstruction

**Annexes:**

1. Disaster management and Development
2. Characteristics of particular hazards, disasters and Emergencies
3. UN Disaster Management Teams and Support Units
4. Roles of various organizations / agencies in relation to Disasters
5. Provision and use of external Search and Rescue Teams
6. Financial and administrative procedures
7. Refugee situations
8. Reference material

**Title:** Disaster and Emergency Management. A Study on UNDP's Role, Responsibilities and Institutional Memory. CEO Evaluation Studies No. 2/92

**Author:** A Report Commissioned by the Central Evaluation Office (CEO) of the UNDP

**Publisher:** United Nations, New York, USA, 1991

**Contents:** (English)  
Attempts to examine the UNDP's history of disaster and emergency response, and on the basis of lessons learned, to make recommendations to guide future strategic planning in disaster and emergency management by the UNDP.

- I. Introduction
  - I.1. Origins of the Report
  - I.2. Focus of the Report
  - I.3. UNDP Disaster and Emergency Management Milestones
  - I.4. Analysis of Disaster and Emergency Projects
- II. Findings and Recommendations
  - II.1. Role of UNDP in Disaster and Emergency Management
  - II.2. Other UN roles of the UNDP Resident Representative in Disaster and Emergency Management
  - II.3. UNDP and displaced Populations
  - II.4. UNDP's institutional memory in Disaster and Emergency Management

**Prepared by:** Kenneth Curtin and Jeffrey Klenk

(Mitigation/Management)

**Title:** Disaster Management - A Disaster Manager's Handbook

**Author:** Asian Disaster Preparedness Center (ADPC)/Asian Development Bank (ADB)

**Publisher:** Asian Development Bank (1991)

**Contents:** (417 pp, English)  
This handbook was prepared in accordance with the conclusions reached at a Regional Disaster Mitigation seminar in October 1990. It is expressly designed as a practical tool to meet the requirements of national officials responsible for disaster preparedness measures in Asia and the Pacific region.

- I. Basic Disaster Management Aspects
- II. Long-term Measures
- III. Major Factors Prior to Disaster Impact
- IV. Response to Disaster Impact
- V. Major Post-Impact Factors
- VI. Disaster Management Support Requirements

Appendices: 1. Vulnerability Analysis  
2. Warning and Warning Systems  
3. Survey and Assessment  
4. Examples of Disaster Legislation

**Order from:** Asian Disaster Preparedness Center (ADPC)  
Asian Institute of Technology (AIT)  
PO Box 2754  
Bangkok 10501, Thailand

or

Asian Development Bank (ADB)  
PO Box 789  
Manila 1099, Philippines

(Mitigation/Management)

**Title:** Disaster Mitigation in Asia and the Pacific

**Author:** Asian Disaster Preparedness Center (ADPC)/Asian Development Bank (ADB)

**Publisher:** Asian Development Bank (1991)

**Contents:** (392 pp, English)  
This study was prepared in relation to a Regional Disaster Mitigation Seminar held in October 1990. It contains a summary of conclusions reached, and papers presented at the seminar. Emphasized of particular importance was the need to make disaster mitigation an integral part of development planning in the region.

- I. Executive Summary
- II. Resource Papers: Technical Background Paper, Country Studies (Bangladesh, Nepal, Philippines, South Pacific)
- III. Papers Submitted by Participants and Observers
- IV. Disaster Mitigation: The Role of the Asian Development Bank

**Order from:** Asian Disaster Preparedness Center  
Asian Institute of Technology (AIT)  
PO Box 2754  
Bangkok 10501, Thailand

or Asian Development Bank (ADB)  
PO Box 789  
Manila 1099, Philippines

(Mitigation/Management)

**Title:** Primer on Natural Hazard Management in Integrated Regional Development Planning

**Author:** Department of Regional Development and Environment; Executive Secretariat for Economic and Social Affairs, OAS

**Publisher:** Organization of American States, Washington D.C, (1991)

**Contents:**

- I. Introduction to integrated development planning and natural hazard management, showing how the impact of natural hazards can be reduced by including hazard considerations in development planning and project formulation
- II. describes the technical tools used for hazard assessment, including geographic information systems, remote sensing, and special mapping techniques
- III. consists of a series of chapters on the most significant natural hazards in Latin America and the Caribbean, presenting new approaches to their assessment and mitigation in the context of integrated development planning

**Order from:** Department of Regional Development and Environment  
Organization of American States  
Washington D.C., USA

(Mitigation/Management)

**Title:** Mitigating Natural Disasters Phenomena, Effects and Options- "A manual for Policy Makers and Planners"

**Author:** UNDRO

**Publisher:** UNDRO 1991

**Contents:** (164 pp, English)  
The objective of the manual is to disseminate experience gained in the mitigation of disasters as a result of a number of projects over several years in different countries.

- I. Policy
  - Objectives and Policy Framework
  - Government Administration for Risk Reduction
  - Risk Assessment
  - Planning and Decision Making
  - Effective Implementation of a Strategy for Risk Reduction
  - Conclusion
- II. The Phenomena
  - Hazard Assessment
  - Hydrological Hazards
  - Geological Hazards
- III. Effects of Phenomena
  - Vulnerability Analysis
  - Risk Assessment
- IV. Options
  - Options for Risk Reduction
  - Risk Reduction Measures for Areas Affected by Hydrological Hazards
  - Risk Reduction Measures in Areas Affected by Geological Hazards
  - Cost of Risk Reduction Measures

- Annexes:**
- 1. Sequence of activities for mitigation planning in a flood-prone area: an example
  - 2. Survey sheets for hazard and risk assessment
  - 3. Earthquake intensity scales
  - 4. Glossary
  - 5. Selected Bibliography
  - 6. References

**Order from:** Department of Humanitarian Affairs/UNDRO  
Palais des Nations  
1211 Geneva 10, Switzerland



**Title:** Guidelines for Disaster Prevention and Preparedness in Tropical Cyclone Areas.

**Author:** WMO/ESCAP/LRCS

**Publisher:** WMO/ESCAP/LRCS, Geneva/Bangkok (1977)

**Contents:** (125 pp, English; 135 pp, French; 133 pp, Spanish)  
The objective of the guidelines is to describe national, regional and international experience in the mitigation of tropical cyclone disasters.

- I. Introduction and Background Information (including forecasts and warnings of tropical cyclones, river floods and storm surges)
- II. Disaster Prevention (including the role of disaster prevention in national planning, legislation for disaster prevention, risk evaluation, land use and zoning, building codes, flood control)
- III. Disaster Preparedness (including planning, legislation, tropical cyclone warning system, flood fighting, evacuation of danger areas, etc)
- IV. Disaster Rehabilitation (including assessment of damage and resettlement)

**Order from:** Tropical Cyclone Programme Office

World Weather Watch Department  
World Meteorological Organization  
PO Box 2300  
CH-1211 Geneva 2, Switzerland

(Preparedness)

**Title:** Health Aspects of Emergency Preparedness

**Author:** WHO Western Pacific Regional Office (WPRO)  
Regional Committee, WPR/RC41/10

**Publisher:** WHO, Western Pacific Regional Office (1990)

**Contents:** (12 pp, english)  
The document provides a brief summary of natural disasters in the Region, a description of emergency preparedness activities and suggestions for ways to improve national emergency preparedness programmes.

- I. Introduction
- II. Situation in the Western Pacific Region
- III. Components of an Emergency Preparedness and Response Programme
- IV. WHO's Emergency Preparedness and Response Programme
- V. Country and Regional Activities
- VI. International Decade for Natural Disaster Reduction
- VII. Conclusion

**Order from:** World Health Organization  
Western Pacific Regional Office  
PO Box 2932  
1099 Manila, Philippines

**Title:** Protection of Educational Buildings Against Earthquakes (Educational Building Report # 13)

**Author:** UNESCO

**Publisher:** UNESCO, Paris, 1987  
BKEB/87/M/300/201-3000

**Contents:** (67 pp, English)  
This report presents simple methodologies and techniques for the design and construction of educational buildings to withstand earthquakes, namely in Asia and the Pacific.

I. Where Earthquakes occur and how they damage buildings

- Earthquakes
- Earthquake Effects
- Seismic conditions for building design

II. Design of new Educational Buildings

- Site considerations
- General principles regarding building forms
- Materials and quality of construction
- Wood buildings
- Masonry buildings
- Low quality masonry and adobe construction

III. Strengthening existing buildings

- Seismic strengthening of existing buildings

**Order from:** Education Sector  
UNESCO  
7 place Fontenoy  
75007 Paris, France

(Preparedness)

**Title:** School Buildings and Natural Disasters  
(Educational buildings and equipment #4)

**Author:** UNESCO

**Publisher:** UNESCO, Paris 1982

**Contents:** (84 pp, English/French)  
The objective of the manual is to analyze the main problems involved in designing and constructing school buildings resistant to natural disasters.

- I. Natural disasters and their effects on school buildings
- II. Risk recognition and Response: a diagnosis
- III. Risk reduction: identification of programme areas

**Order from:** Education Sector  
UNESCO  
7 place Fontenoy  
75007 Paris, France

**Title:** African Disaster Handbook

**Author:** Maniza S. Zaman

**Publisher:** World Health Organization/Panafrican Centre for  
Emergency Preparedness and Response, Addis Ababa,  
1990

**Contents:** The Handbook, primarily oriented towards the  
layman rather than the organizational  
authoritative bodies, is aimed at providing  
simple, concise, and practical guidelines for  
action during times of disaster.

- I. Introduction
- II. Disasters
- III. Floods
- IV. Hurricanes and Storms
- V. Earthquakes
- VI. Landslides
- VII. Volcanoes
- VIII. Fires
- IX. Chemical and Industrial Accidents
- X. Nuclear Accidents
- XI. Epidemics
- XII. Drought and Famine

**Order from:** WHO/ERP Panafrican Centre  
UN ECA Building  
P.O. Box 3050  
Addis Ababa, Ethiopia

(Preparedness)

**Title:** Disasters in Africa: Guidelines for Disaster Preparedness and Response

**Author:** OAU/UNDP

**Publisher:** OAU/UNDP/WHO-ERP, 1986(p.s. doc cm/1586 (11))

**Contents:** (104 pp, English)  
These guidelines intend  
a. to sensitize the African populations, African governments and the donors on the disasters that occur in Africa and their extent,  
b. to focus on guidelines for the formulation of a plan of action to mitigate disasters in Africa.

Executive summary

- I. Introduction
- II. Definition
- III. Classification
- IV. Extent of disasters
- V. Efforts undertaken to mitigate disasters in Africa
- VI. Guidelines for a plan of action for disaster preparedness and response

**Order from:** WHO/EPR Panafrican Center  
or  
OAU Secretariat  
UN ECA Building  
Addis Ababa, Ethiopia

**Title:** Disaster Training Curriculum

**Author:** Ruth Anne Fellows

**Publisher:** WHO/EPR Panafrican Centre , 1988

**Contents:** This curriculum is to provide guidelines for the training of trainers in disaster preparedness, management, and mitigation.

EPR Training Curriculum

- I. Introduction
- II. Review of WHO's mandate for emergency training

Disaster Preparedness

- III. Development of vulnerability country reports
- IV. Disaster contingency plans and policies
- V. Structuring disaster contingency plans specific to the health component
- VI. Development of early warning systems

Disaster Management

- VII. Management of relief operations
- VIII. Problems of emergency management
- IX. Accessing international assistance
- X. Problems arising out of relief operations
- XI. Management of health aspects in disasters
- XII. Response of health implementors

Disaster Communication

- XIII. Information assessment and Communication
- XIV. Utilization of computer technology
- XV. From disaster to development - an integrated approach

**Order from:** WHO/EPR Panafrican Center  
or  
OAU Secretariat  
UN ECA Building  
Addis Ababa, Ethiopia

**Title:** Educational Package set no. 1

**Author:** WHO/EPR Panafrican Centre

**Publisher:** WHO/EPR, (undated)

**Contents:** (32 pp, English)  
This training package contains a set of overhead slides on the following:

- I. Disaster (definition)
- II. WHO Emergency Preparedness and Response Programme
  - Objective
  - Specific objectives
- III. Main Programme Activities
  - Preparedness planning
  - Training and research
  - Information and communication
  - Response coordination
- IV. Disease control
  - Environmental health management
  - Priorities in alleviating food problems
  - Public health problems in Disasters
  - Management of health relief supplies
  - Classification of Disasters
  - Origins of Disasters
  - Phases of Disasters
  - Objectives of Disaster planning
  - Objectives of Disaster response
  - Aspects of health management during and following Disasters
  - Rapid assessment - Objectives
  - Management of mass casualties
  - Epidemiological surveillance
  - Characteristics of useful epidemiological surveillance systems

**Order from:** WHO/EPR Panafrican Centre  
UN ECA Building  
P.O. Box 3050  
Addis Ababa, Ethiopia



(Relief)

**Title:** Assisting in Emergencies - "A resource handbook for UNICEF field staff".

**Author:** UNICEF

**Publisher:** UNICEF, Geneva, 1986

**Contents:** (526 pp, English) (573 pp, French)  
This handbook has been prepared to help UNICEF field staff - and all those who collaborate with UNICEF and the UN system in general - to co-operate with governments, local administrations and other organizations in identifying the particular needs of children in various kinds of emergency situations, and in planning and organizing actions to meet those needs in the most appropriate manner.

- I. Policies and Organization
- II. Assessment and Programmes
- III. Possible Needs and Responses
- IV. Field Office Operations
- V. Guidelines for Programme Interventions
- VI. References, Annexes

**Prepared by:** Ron Ockwell for UNICEF

**Order from:** UNICEF  
Emergency Unit  
Palais des Nations  
1211 Geneva 10, Switzerland

(Relief)

**Title:** The New Emergency Health Kit: Lists of Drugs and Medical Supplies for 10,000 People for Approximately 3 Months

**Author:** WHO

**Publisher:** WHO (1990)

**Contents:** (44 pp, English)  
Explains how to use standardized packages of essential drugs, supplies, and equipment to provide effective medical care under the primitive, demanding conditions that follow emergencies or disasters. Both the concept and the contents of the kit are designed to expedite the provision of supplies in line with priority health needs. The book also provides useful information for national authorities and hospital managers interested in stockpiling drugs and supplies in advance.

**Order from:** Division of Emergency Relief Operations  
World Health Organization  
20 avenue Appia  
Ch-1211 Geneva, Switzerland

(Relief)

**Title:** WHO Action in Emergencies and Disasters

**Author:** EPR/PCO WHO

**Publisher:** WHO (1989)

**Contents:** (20 pp, English)

This manual outlines the policies and principles to be followed in planning and implementing WHO activities in emergency preparedness and response and in ensuring that the organization is prepared to provide an appropriate response with out delay. The manual was prepared specifically for WHO staff.

**Order from:** Division of Emergency Relief Operations  
World Health Organization  
20 avenue Appia  
Ch-1211 Geneva, Switzerland

(Relief)

**Title:** Scientific Publications

**Author:** Pan American Health Organization (PAHO)

**Publisher:** PAHO

**Contents:** (A series of scientific publications on health aspects of emergency preparedness and disaster relief, available in English, Spanish and French.)

Complemented by self-instruction modules designed to reinforce concepts presented. Modules consist of a self-study guide, a final exam and an answer key. (Available in English and/or Spanish only.)

Scientific Publications

No. 407 - Emergency Health Management after Natural Disaster

No. 419 - Emergency Vector Control after Natural Disaster

No. 420 - Epidemiological Surveillance after Natural Disaster

No. 430 - Environmental Health Management after Natural Disaster

No. 438 - Medical Supply Management after Natural Disaster (in English only)

No. 443 - Health Services Organization in the Event of Disaster

No. 444 - The Management of Nutritional Emergencies in Large Populations (in English and Spanish only)

**Order from:** World Health Organization  
Western Pacific Regional Office  
PO Box 2932  
1099 Manila, Philippines

## Annex 1

The information was solicited in particular from the following UN system organizations:

Asian Disaster Preparedness Center

International Telecommunication Union

United Nations Centre for Human Settlement

United Nations Children's Fund

United Nations Educational, Scientific and Cultural Organization

United Nations Development Programme

World Health Organization

World Meteorological Organization

Office of the United Nations Disaster Relief Co-ordinator

Annex 2

INFORMATION ON AVAILABLE GUIDES, MANUALS AND OTHER  
INSTRUCTIONAL MATERIAL FOR NATURAL DISASTER MITIGATION

The information is compiled from responses to the questions indicated below

1. Has your organization prepared any instructional material for field and/or office activities covering fields indicated below?
2. Indicate the title, the author(s), the date of publication, the publisher of the guide or manual.
3. Indicate the languages(s) of the above publication and number of pages.
4. Indicate a short description of the content of the material, including the titles of chapters or main sections.
5. Indicate how to obtain the material described above.

**Fields of interest:**

Disaster Assessment, Forecasting and Warning, Management, Mitigation, Preparedness, Relief.