

**HFA Implementation Review – Simplified Version
for ACDR2010**

Country:	Malaysia
Date of data filled out:	31 December 2009
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1 Priority for action 1:

Ensure that disaster risk reduction is a national and local priority with a strong institutional basis for implementation

1-1. National policy and legal framework for disaster risk reduction exists with decentralised responsibilities and capacities at all levels

	Name	Area (please select)	Year of Enforcement
National laws for disaster risk reduction		Response/ Recovery/ Mitigation/ Preparedness	
National policy for disaster risk reduction	NSC Directive No. 20: Policy and Mechanism for National Disaster and Relief Management (NSC)* National Slope Master Plan 2009 (PWD) National Haze Action Plan (DOE) National Radiological Emergency Plan (AELB) National Influenza Pandemic Preparedness Plan (NIPPP) (MOH) Climate Change Adaptation Policy (NRE)	Response/ Recovery/ Mitigation/ Preparedness	1997

[Comments (if any)]

1-2. Dedicated and adequate resources are available to implement disaster risk reduction activities at all administrative levels

	Amount (currency, year)	Main Purpose (please select)
Funds allocation for disaster risk reduction	Flood Mitigation Project (RM5.81 billion for 2006-2010) (DID) Multi-Hazards Monitoring and Early Warning System (RM122 million for 2006-2010) (MMD) Minor Slope Maintenance (USD10 million) (PWD) Open Burning Monitoring Activities (RM1.8 million) (DOE)	Response/ Recovery/ Mitigation/ Preparedness

	Name	Number of Staff
Department for disaster risk reduction at national Level (Please attach an organization chart)	Disaster Management Division, National Security Council	360 personnels (including federal, states and districts level)

[Comments (if any)]

1-3. Community participation and decentralization are ensured through the delegation of authority and resources to local levels

	System (Policy, Organization, Network, etc.)	Main Purpose (please select)
System to ensure community participation in disaster risk reduction	District Disaster and Relief Management Committee and State Disaster and Relief Management Committee (NSC)	Response/ Recovery/ Mitigation/ Preparedness

[Comments (if any)]

1-4. A national multi-sectoral platform for disaster risk reduction is functioning

	Name	Main Purpose (please select)	Year of Establishment
Multi-sectoral platform for disaster risk reduction (Please attach an organization chart)	National Disaster and Relief Management Committee (NSC) National Safety Council (PWD) National Haze Committee (DOE)	Response/ Recovery/ Mitigation/ Preparedness	1997

[Comments (if any)]

2 Priority for action 2:

Identify, assess and monitor disaster risks and enhance early warning

2-1. National and local risk assessments based on hazard data and vulnerability information are available and include risk assessments for key sectors

	Activities	Type of disasters	Year of Completion
Development of hazard maps	Ulu Kelang Slope Hazard Map (PWD) Fire Prone Hazard Map (DOE) Seismotectonic Map of Malaysia and Surrounding Region (JMG) Geological Terrain Map in Hill Land Area (JMG)	Landslide Haze Earthquake Earthquake	Completed and reviewed on yearly basis

	Forest Fire Hazard Map (MRSA) Landslide Hazard Map (MRSA) Flood Hazard Map (MRSA)	Haze Landslide Flood	
Risk assessment	Ulu Kelang Slope Qualitative Risk Assessment (PWD) Assessment of the Seismic Threats to Malaysia from Major Earthquakes in the Region (JMG) Risk Assessment on Radiological and Nuclear Hazards based on International Guidelines (AELB)	Landslide Earthquake Radioactive pollution	Completed and reviewed on yearly basis

[Comments (if any)]

2-2. Systems are in place to monitor, archive and disseminate data on key hazards and vulnerabilities

	Name	Type of disasters
Disaster monitoring system	National Early Warning System for Earthquake Tsunami (MMD) Severe Weather Early Warning System Haze and Drought Mitigation (Cloud Seeding) (MMD) Flood Forecasting and Warning System (DID) SMART System for Landslide Hazard (PWD) Air Quality Monitoring Network (51 Air Quality Monitoring Stations) (DOE) Monitoring of active fault in Kundasang, Sabah (JMG) Environmental Radiation Monitoring System (ERMS) (AELB) Radionuclide monitoring system (RN42) under Comprehensive Nuclear-Test-Ban Treaty (CTBT) (Nuclear Agency)	Earthquake and Tsunami Haze and Drought Flood Landslide Haze Earthquake Radioactive pollution
Disaster Information system (archive & dissemination of data)	Integrated Slope Information System (ISIS) (PWD) Air Pollutant Index Management System (APIMS) (DOE) Disaster Geospatial Information System (MRSA)	Landslide Haze Flood, Landslide and Haze

[Comments (if any)]

2-3. Early warning systems are in place for all major hazards, with outreach to communities

	Description	Type of disasters
Disaster warning system (information flow)	Air Pollutant Index posted daily on http://www.doe.gov.my/apims/ (DOE) Drought information can be assessed on http://infokemarau.water.gov.my (DID) Flood information can be assessed on http://infobanjir.water.gov.my (DID) Flood Forecasting and Warning System (DID)	Haze Drought Flood
Early warning and evacuation system	Please see 2-2.	

[Comments (if any)]

2-4. National and local risk assessments take account of regional / trans-boundary risks, with a view to regional cooperation on risk reduction.

	Description	Type of disasters
Regional (trans-boundary) information sharing system for disaster monitoring and early warning	ASEAN Agreement on Transboundary Haze Pollution mechanism and ASEAN Specialised Meteorological Centre (ASMC) (DOE) Comprehensive Nuclear-Test-Ban Treaty International Monitoring System (CTBT IMS) (Nuclear Agency)	Haze Radioactive pollution

[Comments (if any)]

3 Priority for action 3:

Use knowledge, innovation and education to build a culture of safety and resilience at all levels

3-1. Relevant information on disasters is available and accessible at all levels, to all stakeholders (through networks, development of information sharing systems etc)

	System, Activities	Type of disasters
Public awareness on disasters and disaster risks	Public education and awareness programs at landslide-prone areas (PWD) Zero Burnings Campaign (DOE) Exhibition on space-based related to disaster activities (MRSA)	Multi-disasters Haze Multi-disasters

[Comments (if any)]

3-2. School curricula, education material and relevant trainings include disaster risk reduction and recovery concepts and practices

Items	
School curricula include disaster risk reduction concepts	Yes/ No/ Other ()
Educational materials for learning/teaching disaster risk reduction	For formal education/ For informal education/ No Safe School Manual by Ministry of Education (MOE) Safety Guideline on Disaster and Crisis Situation by National Security Council
Training program for learning disaster risk reduction	Yes/No/ Other (Programs are done by various agencies according to their respective roles and responsibilities)

[Comments (if any)]

3-3. Research methods and tools for multi-risk assessments and cost benefit analysis are developed and strengthened

	Description
Development of research methods and tools for multi-risk assessment	The use of remote sensing, GIS and related technologies for disaster application (MRSA) High Land Sustainable Development Studies by Economic Planning Unit utilized by Ministry of Natural Resources and Ministry of Housing and Local Government (UPE) Strategic Environmental Assessment (SEA) has been encouraged (UPE) Studies on Climate Change, Earthquake and Tsunami (MMD)

[Comments (if any)]

3-4. Country-wide public awareness strategy exists to stimulate a culture of disaster resilience, with outreach to urban and rural communities

	Name	Year
Country-wide public awareness strategy	Multi-Hazard Community Awareness Campaign by NSC and MMD	Since 2005 after tsunami

[Comments (if any)]

4 Priority for action 4:

Reduce the underlying risk factors

4-1. Disaster risk reduction is an integral objective of environment related policies and plans, including for land use natural resource management and adaptation to climate change.

Environmental related policies include disaster risk reduction concepts	Yes/ No / Other ()
National land use planning include disaster risk reduction concepts	Yes/ No / Other ()

[Comments (if any)]

4-2. Social development policies and plans are being implemented to reduce the vulnerability of populations most at risk

Social development policies include disaster risk reduction concepts	Yes/ No / Other ()

[Comments (if any)]

4-3. Economic and productive sectorial policies and plans have been implemented to reduce the vulnerability of economic activities

Economic and productive sectorial policies include disaster risk reduction concepts	Yes/ No / Other ()

[Comments (if any)]

4-4. Planning and management of human settlements incorporate disaster risk reduction elements, including enforcement of building codes

Planning and management of human settlements include disaster risk reduction concepts	Yes/ No / Other ()

[Comments (if any)]

4-5. Disaster risk reduction measures are integrated into post disaster recovery and rehabilitation processes

Disaster risk reduction measures are integrated into post disaster recovery processes	Yes/ No / Other ()

[Comments (if any)]

4-6. Procedures are in place to assess the disaster risk impacts of major development projects, especially infrastructure

Procedures to assess the disaster risk impacts of major development projects	Yes/ No / Other ()
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[Comments (if any)]

5 Priority for action 5:

Strengthen disaster preparedness for effective response at all levels

5-1. Strong policy, technical and institutional capacities and mechanisms for disaster risk management, with a disaster risk reduction perspective are in place

	Policy/ Mechanisms
Policy and mechanisms for disaster risk management (ex. task force for disaster risk management)	NSC Directive No. 20: Policy and Mechanism for National Disaster and Relief Management (NSC)

[Comments (if any)]

5-2. Disaster preparedness plans and contingency plans are in place at all administrative levels, and regular training drills and rehearsals are held to test and develop disaster response programmes

	Name	
Disaster preparedness plans	NSC Directive No. 20: Policy and Mechanism for National Disaster and Relief Management (NSC) 7 Standard Operating Procedure for various disasters (Flood; Forest Fire, Open Burning and Haze; Industrial Disaster; Oil, Gas and Petrochemical; Earthquake; Tsunami and Drought)	
Disaster contingency plans	As above	
		remarks
National level disaster management drills	() Regularly conducted (/) Periodically conducted () not conducted	
Local level disaster management drills	() Regularly conducted (/) Periodically conducted () not conducted	

[Comments (if any)]

5-3. Financial reserves and contingency mechanisms are in place to support effective response and recovery when required

Items	
Financial reserve for disasters	Yes (US\$)/ No/ Other (Rehabilitation/ Emergency expenses by Government agencies will be reimbursed by Ministry of Finance)
Compensation for disasters	Yes (Name of system: National Disaster Relief Fund) No Other ()
Insurance for disasters	Yes (Name of system: Fire and Flood Insurance) No Other ()
Tax reduction or exemption	Yes (Name of system:) No Other (Private Sectors will be given tax exemption for donating into the National Disaster Relief Fund)

[Comments (if any)]

5-4. Procedures are in place to exchange relevant information during hazard events and disasters, and to undertake post-event reviews

Procedures for exchanging relevant information during disasters (Knowledge compilation of lessons learned from previous disasters)	Yes (Disaster and Relief Committee at all level (Federal, State and District)) No Other ()

[Comments (if any)]

- (NSC) – National Security Council
- (PWD) – Public Work Department
- (DOE) – Department of Environment
- (AELB) – Atomic Energy Licensing Board
- (MOH) – Ministry of Health
- (NRE) – Ministry of Natural Resources and Environment
- (DID) – Department of Irrigation and Drainage
- (MMD) – Malaysia Meteorological Department
- (JMG) – Department of Mineral and Geosciences
- (MRSA) – Malaysian Remote Sensing Agency
- (Nuclear Agency) – Malaysian Nuclear Agency
- (MOE) – Ministry of Education
- (EPU) – Economic Planning Unit