

ASEAN IWRM PERFORMANCE REPORTS & MONITORING INDICATORS

Malaysia 2010 Report (Flood Management)

Outcome Indicators

IWRM Issue 4 - Flood Management (15 indicators)			
Indicator Types	Indicators	Progress	Description
Outcome Indicators	1. Total area affected by flood (target reduction in flooded area)	3329800 ha (Target Reduction in 2010: 186446 ha)	Data obtained from Updating Condition of Flooding 2012 Report
	2. Total number of people affected by flood (target reduction in the number of people/households affected by flood)	4,193,934 people (Target Reduction in 2010 : 430,243 people)	Data obtained from Updating Condition of Flooding 2012 Report
	3. Annual cost of flood damages	RM36,017.33	Data obtained from Updating Condition of Flooding 2012 Report
	4. Percentage of annual national budget allocated to flood management	2.97%	See Note 1
	5. Percentage of flood-prone areas in the country covered by early flood warning systems (BSAH)	5%	Source: BSAH JPS
	6. Percentage of flood-prone areas in the country covered by real-time flood monitoring system(BSAH)	40%	Source: BSAH JPS

Note1

- RM 1,580,659,505 (2010 Development Budget for Flood Mitigation, source: JPS development budget records) /
- RM 191,498,805,000 (Total federal development budget 2010, source: http://www.treasury.gov.my/pdf/bajet/maklumat_bajet_kerajaan/2010/cadangan_anggaran.pdf)

Enabling Environment Indicators

EE Indicators	1. Any "Policy" on flood management and river conservation	2	
	2. Any "Legislation/Regulations" on flood management and river conservation	NA	

Source: ASEAN Working Group for Water Resources Management (AWGWRM) – April 2015
[weblink - aseaniwrm.water.gov.my]

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Institutional Set-up Indicators

IS Indicators	1. Any flood management regulatory agencies	1	LUAN established in Kedah (only 1 of 14 states in the federation)
	2. Any institutional arrangements among related agencies to manage flood	8	National Security Council (MKN) under Prime Minister's Dept. as coordinator during disasters

Management Tools Indicators

MT Indicators	1. Any implementation of Integrated Flood Management (IFM) approaches involving the use of structural and non-structural flood mitigation measures	1	
	2. Any program to develop flood hazard and flood risk maps	8	Ongoing effort (12 maps in 2010)
	3. Any river basin flood zoning and land use planning	3	
	4. Any program to control the loss of existing low-lying flood detention areas to development	3	Through one-stop-center within Local Government Council and Flood Mitigation Master Plan.
	5. Any climate adaptation program to mitigate the potential impacts of extreme floods due to climate change	1	