

ASEAN IWRM PERFORMANCE REPORTS & MONITORING INDICATORS

Malaysia 2013 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)	(Target reduction: 50964 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)	3,089,580 People (Target reduction on 2013: 308,500)	Data obtained from Updating Condition of Flooding 2012 Report
	3. Annual cost of flood damages		
	4. Percentage of annual national budget allocated to flood management	0.64%	See Note 1
	5. Percentage of flood-prone areas in the country covered by early flood warning systems(BSAH)	10%	Sources: BSAH JPS
	6. Percentage of flood-prone areas in the country covered by real-time flood monitoring system(BSAH)	50%	Sources: BSAH JPS

Note1

- RM 318,091,122 (2013 Development Budget for Flood Mitigation, source: JPS development budget records) /
- RM 49,749,999,000 (Total federal development budget 2013, source: http://www.treasury.gov.my/pdf/bajet/maklumat_bajet_kerajaan/2013/pendahuluan.pdf)

Enabling Environment Indicators

	1. Any "Policy" on flood management and river conservation	5	
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Source: ASEAN Working Group for Water Resources Management (AWGWRM) – April 2015
[weblink - aseaniwrm.water.gov.my]

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EE Indicators	2. Any “Legislation/Regulations” on flood management and river conservation	1	
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Institutional Set-up Indicators

IS Indicators	1. Any flood management regulatory agencies	1	LUAN & LUAS established in Kedah & Selangor respectively (only 2 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	2	
	2. Any program to develop flood hazard and flood risk maps	8	Ongoing effort (1 maps in 2013)
	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	5	Through one-stop-center within Local Government Council and Flood Mitigation Master Plan.

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	5. Any climate adaptation program to mitigate the potential impacts of extreme floods due to climate change	3	
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