

## ASEAN IWRM PERFORMANCE REPORTS & MONITORING INDICATORS

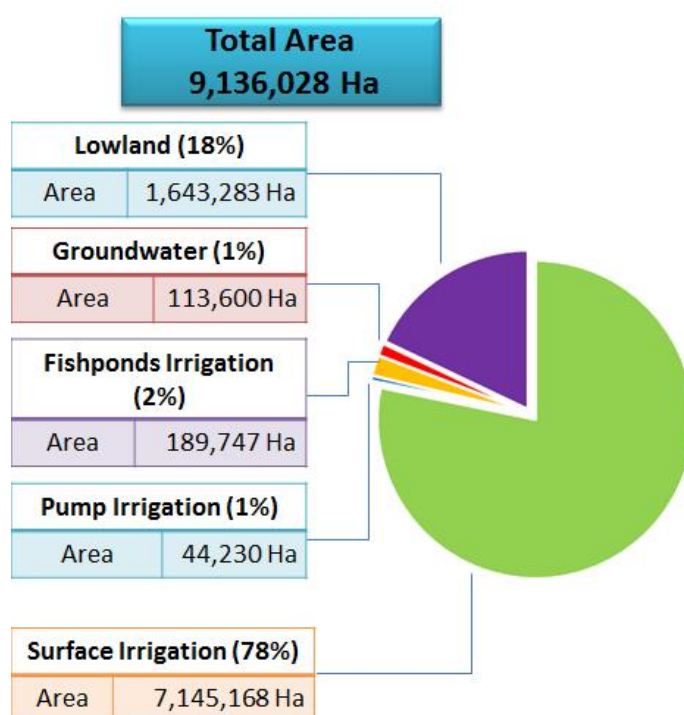
### Indonesia 2013 Report (Irrigation Management)

#### Outcome Indicators

IWRM Issue 2 - Irrigation Management (14 indicators)			
Indicator Types	Indicators	Progress	Description
Outcome Indicators	1. Percentage of irrigated area to total potential irrigable area	84.13%	9,136,028 ha (See Note 1)
	2. Percentage of irrigated area damaged by flood	3.17 %	289,720 ha
	3. Percentage of irrigated area damaged by drought	0.10 %	9,685 ha
	4. Percentage of irrigation efficiency	65 %	See Note 2
	5. Agricultural production (T/ha) versus water utilization	T/ha	See Note 3
	6. Percentage of irrigated area with water quantity measuring devices	79.94%	

#### Outcome Indicators Notes

**Note 1** - Total 9.14 million hectares of irrigated area in Indonesia is not in ideal conditions. Based on the explanation of Article 82 of Regulation 20/2006 on Irrigation, the ideal ratio between irrigated areas to total population is 1:25 (as shown in the picture below). However, Indonesia is currently still at the ratio of 1:28.



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

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**Note 2** - Low irrigation efficiency due to deterioration of irrigation infrastructures caused by infrastructure aging and lack budget for proper operation and maintenance.

**Note 3** - Farmland holding is too small for economically viable rice production (thus there is a need for land consolidation). 34% of farms are less than 0.25 ha and another 25% has sizes ranging between 0.25 and 0.5 ha. The farmers prefer changing the crops into higher value crops instead of rice.

### **Enabling Environment Indicators**

<b>EE Indicators</b>	1. Any "Policy" on irrigation management (including policy on land conversion/conservation of irrigation area)	Yes (8)	
	2. Any "Legislation/Regulations" on irrigation management (including policy on land conversion/conservation of irrigation area)	Yes (8)	
	3. Any "Annual national budget" allocation for irrigation management	Yes (8)	

### **Institutional Set-up Indicators**

<b>IS Indicators</b>	1. Any "Irrigation agency" responsible for irrigation management	Yes (8)	
	2. Any Farmers' Association	Yes (8)	

### **Management Tools Indicators**

<b>MT Indicators</b>	1. Any operations and maintenance program for irrigation systems	Yes (8)	
	2. Any participatory irrigation management system	Yes (8)	
	3. Any irrigation water allocation mechanism	Yes (8)	