

# **ASEAN IWRM Country Strategy Guidelines**

## **- IWRM Monitoring Status Guidelines for ASEAN Countries**

### **1. Background**

The ASEAN Working Group on Water Resources Management (AWGWRM) has developed an ASEAN Strategic Plan of Action on Water Resources Management with the support from the Australian Government in 2005. To support the implementation of the Plan, ten project concept proposals were formulated and included in the Appendix of the Strategic Plan Report. One of the ten project concepts: Project Concept 2 is on the development of an “ASEAN IWRM Country Strategy Guidelines”. DID Malaysia was requested by the AWGWRM to organize and conduct a workshop to develop the details of the “ASEAN IWRM Country Strategy Guidelines”.

The workshop participants agreed that the generic ASEAN/IWRM framework will be structured on the following 6 major water management issues in ASEAN:

- Water Supply
- Irrigation
- Stormwater Management
- Floods Management
- Water Pollution Management
- Sanitation Management

Arising from the workshop the following outputs have been prepared for use by ASEAN countries to assist them in preparing and reporting on their respective countries' IWRM action plans and strategies to address the above 6 thematic issues.

- (a) A set of specific IWRM goals for the above 6 key water-related issues in the region.
- (b) For each set of thematic goals a set of IWRM objectives to achieve the goals have also been identified, categorized under the 3 categories of GWP IWRM tools, i.e. Enabling environment, Institutional environment and Management tools.
- (c) Also indicators for measuring the progress in achieving the objectives associated with each of the thematic goals have been developed. They can be used for measuring regional performance and progress towards meeting the IWRM goals for the 6 key water related issues in the region.

### **2. The ASEAN IWRM Monitoring Status Guidelines**

The Workshop participants in Malaysia have agreed to develop monitoring guidelines for six key water management issues that are considered important in ASEAN countries. They are as follows:

- (a) Water Supply Management
- (b) Irrigation Management
- (c) Stormwater Management
- (d) Flood Management
- (e) Water Pollution Management
- (f) Sanitation Management

The following are the monitoring guidelines for the above 6 key water management issues.

<b>IWRM Issue 2 - Irrigation Management (14 indicators)</b>			
<b>Indicator Types</b>	<b>Indicators</b>	<b>Progress</b>	<b>Description</b>
<b>Outcome Indicators</b>	1. Percentage of irrigated area to total potential irrigable area	96.4%	Data in 2023
	2. Percentage of irrigated area damaged by flood	1.1%	Data in 2023
	3. Percentage of irrigated area damaged by drought	0.7%	Data in 2023
	4. Percentage of irrigation efficiency	%	NA
	5. Agricultural production (T/ha) versus water utilization	T/ha	NA
	6. Percentage of irrigated area with water quantity measuring devices	%	NA
<b>EE Indicators</b>	1. Any "Policy" on irrigation management (including policy on land conversion/conservation of irrigation area)	8	The Vietnamese State has policies such as: + Decree 96/2018/ND-CP dated June 30, 2018 of the Government detailing the prices of irrigation products and services and support for the use of public irrigation products and services; + Decree 77/2018/ND-CP dated May 16, 2018 of the Government regulating support for the development of small-scale irrigation, intra-field irrigation and advanced irrigation, water saving; - Irrigation works land is land used for public purposes not for business purposes and is subject to the State's allocation of land without collecting land use fees
	2. Any "Legislation/Regulations" on irrigation management (including policy on land conversion/conservation of irrigation area)	8	Law on Hydraulic works and implementation regulations: Decree No. 67/2018/ND-CP dated May 14, 2018; Decree No. 77/2018/ND-CP dated May 16, 2018; Decree No. 96/2018/ND-CP dated June 30, 2018; Decree No. 114/ND-CP dated September 4, 2018; Decree 40/2023/ND-CP dated

			<p>June 27, 2023 amending a number of articles of Decree 67/2018/ND-CP;</p> <p>Circular 05/2018/TT-BNNPTNT dated May 16, 2018;</p> <p>Circular 03/2022/TT-BNNPTNT dated June 16, 2022 amending a number of articles of Circular 05/2018/TT-BNNPTNT</p>
	3. Any “Annual national budget” allocation for irrigation management	8	
<b>IS Indicators</b>	1. Any “Irrigation agency” responsible for irrigation management	8	<p>1. State management agencies on irrigation:</p> <ul style="list-style-type: none"> <li>- At the central level: Department of Management and Construction of Irrigation Works -</li> <li>- At the local level:</li> <li>+ Provincial level: Department of Agriculture and Environment;</li> <li>+ District level: Specialized departments with the function of state management on irrigation</li> <li>+ Commune level: specialized officials in charge of state management on irrigation</li> </ul> <p>2. Units exploiting irrigation works: Enterprises, grassroots irrigation organizations, individuals.</p>
	2. Any Farmers’ Association	8	
<b>MT Indicators</b>	1. Any operations and maintenance program for irrigation systems	8	<p>- Regarding maintenance: There is Circular 05/2019/TT-BNNPTNT dated May 2, 2019 of the Ministry of Agriculture and Rural Development stipulating the regime and procedures for maintaining irrigation infrastructure assets. - Regarding the operation of irrigation works and irrigation systems: There is Circular 05/2018/TT-BNNPTNT dated May 15, 2018 of the Ministry of Agriculture and Rural Development detailing a number of articles of the Law on Irrigation.</p>
	2. Any participatory irrigation management system	8	The Law on Irrigation stipulates that “organizations and individuals using irrigation products and services are

			<p>responsible for investing in the construction of small irrigation works and intra-field irrigation works” (Clause 3, Article 15); “Organizations and individuals who invest in the construction of irrigation works themselves shall be responsible for management” (Clause 2, Article 21); Organizations and individuals using irrigation products and services are responsible for: participating in the development of exploitation plans and protection plans for irrigation works; participating in the protection of works and water quality; participating in rescue and recovery when irrigation works have incidents... (Article 55 of the Law on Irrigation).</p> <p>- The State has policies to support organizations and individuals investing in the construction of small irrigation works and intra-field irrigation works (Clause 3, Article 4 of the Law on Irrigation) and Decree 77/2018/ND-CP</p>
	3. Any irrigation water allocation mechanism	8	