

Supplementary data

A Combined DPSIR Framework and Logical Framework Approach for Sustainable Water Resources Management in the Lagoon Floodplain

Table S1. Water management strategies to achieve effective irrigation water allocations

Objective statements	Management strategies and measures	Indicator
Famers comply with the water rotation system	Strategy 1: Improving the performance of the rotating irrigation systems	Smart irrigation system for monitoring changes in irrigation water by farmers in Ban Kao Sub-district.
Farmers are confident there will be enough water	Measure 1: Developing automatic water-level monitoring system	
Strengthen water user groups	Measure 2: Strengthening the water user groups	
Sufficient monitoring and evaluation of water allocations	Strategy 2: Improving the monitoring and evaluation of irrigation water allocation and delivery	Developing a participatory monitoring system for irrigation water allocation
Participation of farmers in water allocation, monitoring, and evaluation	Measure: Participatory monitoring and evaluation of irrigation water allocation and delivery	
Efficient use of irrigation water	Strategy 3: Improving irrigation water use efficiency	Reduces at least 70% of the amount of water loss in rice farming
Tools/regulations for controlling water use	Measure: Applying economic instruments	