

擴大灌溉服務之推動步驟及方法研討

The Steps and Methods on Extended of Irrigation Service Policies

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摘 要

面對氣候變遷、極端降雨事件侵襲，透過前瞻性的農田水利規劃與建設，超前部署因應氣候變遷的挑戰，以強化水資源韌性。在豐水期時把水蓄存，並於枯旱時期供灌溉使用，以「把水留住，灌溉大地」的願景，確保農業永續發展。

對於如何推動灌區外適作農地擴大灌溉服務工作，農田水利署已透過歸納過往經驗，建立五項重點推動步驟。步驟一，現況調查：從環境現況了解開始，包含向在地意見領袖、農民團體等進行請益，並進行水源及既有設施調查，了解農民灌溉用水的現況以及灌溉需求，也要進行農地的盤點，了解作物種類及分布；步驟二，方案規劃：包含灌溉供需水量評估、灌溉工程方案研擬、法規適法性研析等，規劃時也須考量在地歷史文化背景及環境友善措施；步驟三，凝聚共識，需整合在地農民、農民團體、NGO 團體、社區發展協會、地方及中央機關等利害關係人的意見，使推動方案具推動共識；步驟四，分年分期：依據工程規模，規劃分年分期推動方案；步驟五，共管共好：工程完工後，為使擴大灌溉服務能具體落實且永續經營，需透過公社群力及公私協力的方式，進行設施巡查、工程維護及用水管理等工作。

關鍵詞：擴大灌溉服務、把水留住灌溉大地

Abstract

In the face of climate change and extreme rainfall events, proactive agricultural water resource planning and construction can help to address the challenges posed by climate change in advance and enhance the resilience of water resource utilization. By storing water during abundant periods and using it for irrigation during dry seasons, we can achieve the vision of "storing water to irrigate the land" and ensure the soundness and sustainability of agriculture.

To expand irrigation services to farmlands outside the irrigation areas, the Irrigation Agency has established five key steps.

Step 1: Situation Survey – This involves understanding the local environmental conditions, including consulting local opinion leaders and farmer groups, and surveying water sources and existing facilities. It is essential to assess the current state of irrigation

water usage and demands, as well as inventory the farmland to understand crop types and distribution.

- Step 2: Plan Formulation – This includes evaluating irrigation water supply and demand, developing irrigation project proposals, and analyzing legal compliance. Planning must also consider the local historical and cultural background and environmental friendliness.
- Step 3: Consensus Building – It is necessary to integrate the opinions of local farmers, farmer groups, NGOs, community development associations, and both local and central government agencies to build consensus for the proposed plan.
- Step 4: Phased Implementation – Based on the scale of the project, plan the implementation in phases over several years.
- Step 5: Collaborative Management – After the completion of the project, to ensure the expanded irrigation services are effectively implemented and sustainably managed, facilities inspection, project maintenance, and water management should be carried out through public collaboration and public-private partnerships.

Keywords: Extended of Irrigation Service. Storing water to Irrigate the land