

# 農漁業健康環境形塑-運用客製化天氣與氣候資訊

## Shape the Healthy Environment of Agriculture and Fisheries

### - Use customized weather and climate information

主管單位：交通部中央氣象局、行政院農業委員會

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### 摘要

本計畫將以客製化的方式產製符合農漁業界作業所需之短期天氣與長期氣候監測及預報資訊，並建置以天氣與氣候資訊為基礎之動態性農漁業氣候經濟效益評估與決策系統。

首要重點在保障農漁產安全。產製客製化的短期天氣及長期氣候的監測與預報資料，供農漁業權責單位利用短期的天氣預報，採取防護措施而減損；充分運用氣候之雨量與溫度預報資訊，擴大或減少作物面積，換植其他作物，以維持甚至增加產值，提升農業經濟效益。

本計畫第二項重點，乃建立以短期天氣與長期氣候之監測與預報資訊為基礎之動態性「農業氣候經濟效益評估與決策系統」，參酌變動性的天氣與氣候變化資訊，顯示農漁業權責機關所應採取的短與長期作為，並評估其經濟效益。

藉由本計畫之執行，預期將翻轉過往氣象資訊較侷限於防災的概念，而為積極創造氣象資訊促進農漁業經濟產值的新功能，配合實現政府新農業施政理念。

**關鍵詞：**客製化、短期天氣與長期氣候、農業經濟效益、新農業施政理念

## Abstract

The plan will produce customized short-term weather and long-term climate monitoring and forecasting information that meets the needs of the agricultural and fisheries industries and build a dynamic agricultural and fishery climate economic benefits assessment and decision-making system based on weather and climate information.

The first priority is to ensure the safety of agricultural and fishery products. Production-customized short-term weather and long-term climate monitoring and forecasting data for agricultural and fisheries authorities to use short-term weather forecasts and take protective measures to reduce damage; fully use climate rainfall and temperature forecast information to expand or reduce crop area, replanting other crops to maintain or even increase output value and improve agricultural economic benefits.

The second focus of this plan is to establish a dynamic "agricultural climate economic benefits assessment and decision system" based on short-term weather and long-term climate monitoring and forecasting information. Reference to weather and climate change information shows the short and long-term actions that agricultural and fisheries authorities should take and evaluate their economic benefits.

With the implementation of this plan, it is expected that the concept of meteorological information will be more limited to disaster prevention. In order to actively create new functions of meteorological information to promote the economic output value of agriculture and fisheries, and cooperate with the realization of the government's new agricultural governance concept.

**Keywords** : customize, short-term weather and long-term climate, agricultural economic benefits, new agricultural governance concept