

# 赴泰國參加亞太水生動物疾病實驗室 能力比對驗證計畫參與者研討會出國報告

生物組

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## 摘要

本所獲澳洲政府農業、漁業和林業部(Australian Government Department of Agriculture, Fisheries and Forestry, DAFF)邀請派員於114年8月27日至8月30日前往泰國曼谷參加「亞太水生動物疾病實驗室能力比對驗證計畫參與者研討會(Asia-Pacific Laboratory Proficiency Testing Program for Aquatic Animal Diseases)」，主辦單位為DAFF及聯邦科學與工業研究組織之澳洲疾病預防中心(Commonwealth Scientific and Industrial Research Organisation's Australian Centre for Disease Preparedness, CSIRO-ACDP)，總結2022-2025年水生動物疾病能力測試的主要發現，並針對診斷標準、方法平台(如即時PCR與常規PCR)和實驗室品質保證系統的深入介紹。此次活動亦提供與會者與CSIRO-ACDP交流的機會，針對能力驗證計畫期間遇到的相關問題進行探討，藉此協助我國強化水產動物疾病診斷實驗室體系，提升診斷技術水準，促進與國際研究機構的交流合作。

# **Report on Participation in the Asia-Pacific Laboratory Proficiency Testing Program for Aquatic Animal Diseases in Thailand**

Chieh-Hao Wu

## **Abstract**

VRI (Veterinary Research Institute) was invited by the Australian Government Department of Agriculture, Fisheries and Forestry (DAFF) to attend the “Asia-Pacific Laboratory Proficiency Testing Program for Aquatic Animal Diseases” held in Bangkok, Thailand, from August 27 to August 30, 2025. The event is organized by DAFF and the Commonwealth Scientific and Industrial Research Organisation’s Australian Centre for Disease Preparedness (CSIRO-ACDP). The aims of the workshop are to summarize the major findings of the 2022–2025 proficiency testing rounds and to stimulate discussion on diagnostic standards, method platforms (real-time PCR versus conventional PCR) and laboratory quality assurance systems. The workshop will also provide opportunities for participants to discuss any issues they have come across during the proficiency testing program, with CSIRO-ACDP. Participation in the workshop help strengthen our country’s aquatic animal disease diagnostic laboratory system, enhance diagnostic techniques, and promote collaboration with international research institutes.