



# 4<sup>TH</sup> WORLD IRRIGATION FORUM & 76<sup>TH</sup> INTERNATIONAL EXECUTIVE COUNCIL MEETING

"Is Irrigation a Sunset Industry?"

7 - 13 September 2025

Kuala Lumpur, Malaysia



ICID-CIID



Call for Papers



MANCID

## International Workshop on Groundwater Development and Management in Coastal Zones: Addressing Land Subsidence and Salinization Risks (During WIF4)

07 September 2025 (TBC); Kuala Lumpur, Malaysia

### BACKGROUND

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The coastal zones are home to diverse ecosystems and vibrant communities, yet they face mounting challenges from groundwater over extraction, saltwater intrusion, and land subsidence. Sustainable groundwater development and the conjunctive use of surface and groundwater for irrigation hold the potential to address these challenges. However, the interplay between these elements in coastal environments is complex and requires a nuanced understanding to safeguard livelihoods, ecosystems, and long-term water security.

This workshop focuses on developing integrated approaches for groundwater and surface water management, assessing land subsidence risks, and mitigating groundwater salinization potential in coastal regions.

### OBJECTIVES

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The workshop aims to:

- Analyze groundwater development and its impacts on coastal ecosystems.
- Evaluate conjunctive use of surface water and groundwater for sustainable irrigation.
- Develop frameworks to estimate and mitigate land subsidence risks.
- Assess the potential for groundwater salinization and propose mitigation strategies.
- Foster collaboration among experts, policymakers, and stakeholders in sustainable coastal water management.

### THEME/SUB-THEMES:

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The main theme of the International Workshop of WG-SCER is "Groundwater Development and Management in Coastal Zones: Addressing Land Subsidence and Salinization Risks".

Sub-topics/ Sub-themes:

- I. Integrated Approaches for Groundwater and Surface Water Management in Coastal Zones
- II. Assessing and Mitigating Land Subsidence in Coastal Areas

### III. Preventing and Managing Groundwater Salinization

Abstracts / papers are invited and encouraged from professionals, researchers, experts, practitioners, managers, and policy-makers. Submissions should include case studies, innovative methodologies, and policy frameworks related to groundwater development and management in coastal regions.

#### **SCHEDULE FOR SUBMISSION OF ABSTRACTS / FULL PAPERS**

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Submission of abstracts (max. 600 words):	01 April 2025
Notification of acceptance:	15 April 2025
Submission of full papers (max. 10 pages of A-4 size):	15 May 2025
Notification of acceptance of full papers:	01 June 2025

The Workshop is being organized by ICID's Working Group on Sustainable Coastal Environment Regeneration (WG-SCER) during the 4th World Irrigation Forum (WIF4) and 76th International Executive Council (IEC) Meeting from 7-13 September 2025 at Kuala Lumpur, Malaysia.

#### **CONTACT-COORDINATES:**

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Workshop Chair: Dr. Ruey-Chy Kao, Chairman of the Working Group on Sustainable Coastal Environment Regeneration (WG-SCER) (Email: [sigmayk@gmail.com](mailto:sigmayk@gmail.com); [rckao@thl.ncku.edu.tw](mailto:rckao@thl.ncku.edu.tw)).

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