



International Workshop & Side Event on “Implementation of the Water-Energy-Food (WEF) Nexus for Building Resilience, Adaptation and Sustainable Socio-Economic Development”

7 September 2025, 14:00 – 17:30 Hours (TBC), Kuala Lumpur, Malaysia



The ICID’s Working Group on Water Food Energy Nexus (WG-WFE_N) is organizing the International Workshop & Side Event on “Implementation of the Water-Energy-Food (WEF) Nexus for Building Resilience, Adaptation and Sustainable Socio-Economic Development” during the 76th International Executive Council (IEC) Meeting and 4th World Irrigation Forum scheduled from 7-13 September 2025 at Kuala Lumpur, Malaysia. The Workshop is jointly organized with IWMI-India and the South African National Committee on Irrigation and Drainage (SANCID).

I. Background

Water, energy and food are highly interconnected and critical to food security, poverty reduction, livelihoods, climate adaptation and mitigation, environmental and human health and biodiversity at different scales. Similarly, the Sustainable Development Goals (SDGs) have interdependencies across goals and are linked to water, energy, food, and ecosystems. There is an urgency to adopt systematic approaches that can accelerate the implementation of the SDGs. However, governments, stakeholders, and investors are challenged to manage the water-energy-food-ecosystems nexus because of the complexities across the systems.

Thus, there is a need to understand and identify trade-offs and synergies across systems and scales to mitigate maladaptation and unintended consequences that jeopardize sustainability. For example, groundwater abstraction is critical for food security, but its overexploitation can inadvertently cause resource degradation, reduce water access and undermine ecosystem health. Identifying and understanding such tradeoffs, the WEF Nexus could be an efficient approach to sustainable socio-economic development.

The Workshop will highlight the inter-relations of SDGs and how they are linked to the WEF Nexus. This aims to develop an inclusive and integrated governance framework that drives towards the realization of the SDGs. The session will also discuss the application of interactive modelling tools in basins of significant relevance. The Workshop will further focus on policy and governance mechanisms for implementing WEF solutions.

II. Objectives

The specific objectives are to present:

1. The current WEF Nexus models and frameworks, how they can inform decision-making, and how to implement the WEF Nexus innovations and solutions.
2. An inclusive and integrated framework towards the realization of the SDGs.
3. The application of trade-offs and tools to assess the WEF Nexus index in basins of significant international relevance to prioritize innovations.
4. Institutional and governance mechanisms to implement WEF solutions: WEF policy scenarios & Operationalizing WEF Nexus.
5. Solar irrigation within the WEF Nexus in agriculture. The focus will be on the examples of the application of the Nexus at different scales, the impact of Nexus application on Societies, Environment and Ecosystem and the impact of Climate Change on the WEF-Nexus.

III. Abstract/ Paper Submission

Abstracts/papers are invited and encouraged from professionals, researchers, experts, practitioners, managers, and policy-makers.

The papers should show examples of application and must include the three elements of the Nexus: Water, Food and Energy.

IV. Schedule for Submission of of Abstracts/ Full Papers

i. Submission of abstracts (max. 600 words):	1 April 2025
ii. Abstract acceptance & invitation to submit full paper:	21 April 2025
iii. Deadline for Submission of full papers (max. 10 pages of A-4 size):	21 May 2025
iv. Notification of acceptance of full papers:	01 June 2025

Call for Papers

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Contact Coordinatates:



Workshop Chairman: Prof. Dr Ragab Ragab, President Hon. ICID and Chairman of the Working Group on “Water-Energy-Food Nexus” (E-mail: ragab@icid.org) and Fellow at UK Centre for Ecology & Hydrology, UKCEH, UK



Dr. K. Yella Reddy, Vice President Hon. ICID and Vice-Chair of the WG on Water Energy-Food Nexus” & Former Dean, ANGR Agril. University, Andhra Pradesh, India (E-mail: kyreddy@icid.org)



Dr. Alok Kumar Sikka, International Water Management Institute (IWMI) Representative India (E-mail: A.Sikka@cgiar.org)



Prof Tafadzwa Mabhaudhi (LSHTM/UKZN), (E-mail: Tafadzwanashe.Mabhaudhi@lshtm.ac.uk) jointly with **Vice President Prof. Dr Sylvester Mpandeli** (E-mail: sylvesterm@wrc.org.za) - SANCID

Registration and travel Information are available at: <https://wif4.org/index.php/en/registration>

International Workshop & Side Event on “Implementation of the WEF Nexus for Building Resilience, Adaptation and Sustainable Socio-Economic Development”, Kuala Lumpur Malaysia, 2025

Name (Mr/Ms/Dr):

I would like to present a paper
 a poster

Position:.....

Entitled:

Organisation:.....

Full Address:

Note: E-mail these details and a 600 words abstract (as a WORD file) as soon as possible / not later than **1 April 2025** to Chairman, WG- WEF _N <ragab@icid.org>, and Vice-Chair kyreddy@icid.org with a copy to ICID Central Office <icid@icid.org>

City:

Acceptance for presentation will be sent during **June 2025**.

Postal Code:

Country:

Tel.:

E-mail:



ICID•CIID

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