



INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE (ICID)

International Workshop of the WG-WEF\_N on  
 “The Water-Energy-Food-Nexus: Applications & Impact on Societies,  
 Environment and Ecosystem”

01 September 2024, 08:30-10:00 hour & 10:30-12:00 hour, Sydney, Australia (Room: E3.1)

**Programme**

Time	Paper Nos	Session I
08:30-12:00 hrs		
<b>Oral Presentations</b>		
<b>08:45-09:00</b>	<b>Opening Remarks by Chair</b>	
09:00-09:15	WS-WEF-N: 01	Assessing the Impact of Climate Change on the Water-Energy-Food Nexus Using a newly Developed WEF Nexus model by <b>Rajendra Singh, Krishna Mondal and Chandranath Chatterjee</b>
09:15-09:30	WS-WEF-N: 02	The Water-Energy-Food (WEF) Nexus as a Tool to Develop Climate Change Adaptation Strategies: A Case Study of The Buffalo River Catchment, South Africa by <b>Aidan Senzanje, Nosipho Dlamini, and Tafadzwanashe Mabhaudhi</b>
09:30-09:45	WS-WEF-N: 03	Water, Energy and Food Nexus in India – Analysing Coupling and Coordination Degree at a Spatial Scale by <b>Ashok Mishra, Krishna Mondal, Chandranath Chatterjee and Rajendra Singh</b>
09:45-10:00	WS-WEF-N: 04	Catalysing Sustainable Development Goals Through The Water-Energy-Food (WEF) Nexus by <b>Luxon Nhamo, Sylvester Mpandeli, and Tafadzwanashe Mabhaudhi</b>
<b>10:30-10:30</b>	<b>Tea Break</b>	
<b>10:30-12:00</b>	<b>Session II</b>	
10:30-10:45	WS-WEF-N: 05	Integrated Nexus: Design Engineering Methodology For Advanced Water And Energy Stewardship For Higher Crop Yield by <b>Dilip H Yewalekar and Manisha Y Kinge</b>
10:45-11:00	WS-WEF-N: 06	Applying Machine Learning and WEF Nexus to Assess Urban Growth Impacts on Wastewater Reuse by <b>Luxon Nhamo, Tinashe Dirwai, Sylvester Mpandeli and Tafadzwanashe Mabhaudhi</b>
11:00-11:15	WS-WEF-N: 07	Institutional And Governance Issues In Sri Lanka For Implementing The Water-Energy-Food (WEF) Nexus by <b>Eng T J Meegastenna</b>
11:15-11:30	WS-WEF-N: 08	Governance and Management of Water, Energy and Food Nexus by <b>Narges Zohrabi</b>
11:30-11:45	WS-WEF-N: 09	Community Governance And The Water-Energy-Food Nexus: Dhan’s Way by <b>Lokesh Sinram, Elamuhil S, Venkatesan V. and Vasimali M.P.</b>
<b>11:45-12:00</b>	<b>Discussions and Wrap-up</b>	

**Chair:** Prof. Dr. Ragab Ragab, President Hon. ICID and Chairman  
**Co-Chair:** VPH Dr. Yella Reddy, Vice-Chairman  
**Coordinator:** Er. Harish Kumar Varma, Executive Director, ICID CO

**International Workshop on  
“The water-energy-food-ecosystems nexus: trade-offs and foresight analysis for policy and investment decisions”**

**01 September 2024, 1300-1630 hour, Sydney, Australia (Room: E3.1)**

<b>Programme</b>		
Time 1300-1630	Paper Nos	Session I
<b>13:00 – 13:05</b>	<b>Opening Remarks by Co-Chairs</b>	
13:05 – 13:15	Welcome and Overview of One CGIAR initiative Nexus Gains results and outcomes	Dr Alok Sikka (IWMI)
13:15 – 13:30	Presentation from ICID WG- WEF Nexus	Dr Yella Reddy, ICID
13:30 – 13:45	Trade-offs and foresight analyses of WEFE interventions in the Indus basin	Dr Mohsin Hafeez (IWMI)
13:45 – 14:00	Trade-offs and foresight analyses of WEFE interventions in the Ganges basin	Dr Sena and Alok (IWMI)
14:00 – 14:15	Water productivity for resilience: pathways to maximise WEFE synergies	Dr Alok Sikka (IWMI)
14:15 – 14:30	Integrated storage management from WEFE nexus lens	Faiz Alam (IWMI)
14:30 – 15:00	Tea break/Health break	
15:00 – 15:15	Harnessing Solar energy for Sustainable Water, Energy, Food, and Environmental Nexus (WEFE)	Dr Santosh Mali (ICAR)
15:15 -16:15	<b>Panel discussion</b>	
	<ol style="list-style-type: none"> <li>1. Paul Pavelic (IWMI)</li> <li>2. Irrigation Australia [TBC]</li> <li>3. ADB [TBC]</li> <li>4. [TBC]</li> <li>5. Director general of Department of irrigation and water resources, Nepal [TBC]</li> </ol>	
<b>16:15 – 16:30</b>	Closing remarks (Co-chairs)	

**Chair:** Prof. Dr. Ragab Ragab, President Hon. ICID and Chairman

**Co-Chair:** IWMI

**Coordinator:** Dr Alok Sikka ([a.sikka@cgiar.org](mailto:a.sikka@cgiar.org)), IWMI and Er. Harish Kumar Varma, Executive Director, ICID