

WREC2026

2030 Horizon: The Path to Net Zero
Emissions with Renewable Energy

Western Australia
8 – 11 February 2026

From Ambition to Action

Integrated Energy Planning for a Just Net-Zero Transition

8 February 2026 – 9am – 12pm

Achieving net-zero emissions by 2050 – a goal reaffirmed at COP 27 – calls for a fundamental transformation of global energy systems. Central to this transformation are two critical strategies: *decarbonizing the power sector and electrifying energy use across all sectors*. This transition is complex and requires a comprehensive, whole-of-economy approach enabled by integrated energy planning. A just and integrated energy planning approach ensures that all sectors – power generation, transport, industry, and households – transition in a coordinated and equitable manner, avoiding negative socio-economic impacts. This short course aims to explore the urgent need for a net-zero transition by 2050 from the perspective of global climate ambition. It also introduces key principles and approaches for implementing a just energy transition that is inclusive, balanced, and effective – leaving no one behind.

Course structure

- Overview of the Paris Agreement, the science behind the 1.5°C limit, and how they relate to global net-zero emissions by 2050.
- Explore why the energy sector is central to achieving net-zero, and the emissions contributions from power, transport, industry, and households.
- Present key milestones and transformation stages required to decarbonize the energy sector by 2050, with global and regional examples.
- Examine key policy instruments and emerging technologies (e.g. renewables, storage, hydrogen, efficiency) supporting the energy transition.
- Importance of cross-sectoral planning – ensuring power, transport, industry, and households shift together toward net-zero targets.
- Why “just” energy transition is important. Highlight real-world case studies where fair transition principles led to successful outcomes.
- Engaging stakeholders in the process – interactive discussion on the roles of government, utilities, private sector, communities, and civil society in shaping and implementing net-zero strategies.

This course includes presentations, discussions, Q&A and interactive sessions using Mentimeter

Anis Zaman is an Energy Transition Specialist in the Energy Division of the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP). Anis plays a key role in fostering regional collaboration on sustainable energy across ESCAP's 53 member countries. His work includes facilitating intergovernmental dialogues, providing technical support, building capacity and leading research initiatives focusing the goals of the 2030 Agenda for Sustainable Development, the Paris Agreement, and Net-Zero Emissions by 2050.

Spaces are limited. Register now and learn how to save on your energy bills [Register now](#). Fees: WREC2026 Delegates: AU\$66 (incl. GST), Student: AU\$33 (incl. GST). Workshop-only registration (incl. networking reception): AU\$220 (incl. GST). Further information: md.anisuzzaman@un.org