Australian National University

Renewable Energy Transition

Professional Short Course for the Indian Ocean Region (IORA)

Supporting informed decision-making throughout the Indian Ocean

1 July - 8 August 2025

Up to 3 x online sessions per week

5.45pm -9.15pm (AEST)

An overview of the key policy, technical, economic and social approaches supporting the transition to a zero-emissions energy system.

Climate change is the most significant environmental, social and economic challenge of our time. By mid-century, the world must undergo a profound transition of its energy systems away from fossil fuels and towards a zero-carbon energy future to mitigate climate change.

To support decision-makers across our region, the ANU Institute for Climate, Energy and Disaster Solutions (ICEDS) has developed the IORA professional short course on Renewable Energy Transition for the Indian Ocean Region. This course provides participants with an understanding of the energy transition and how the simultaneous drivers of energy access, energy security and energy productivity will shape the transition in the Indian Ocean region.

Who is this course for?

Funded by the Australian Department of Foreign Affairs and Trade (DFAT), delivered by the ICEDS and supported by the Indian Ocean Rim Association (IORA), this course is open to **professionals working in a renewable energy relevant role from the IORA Secretariat or a national from an IORA Member State,** which include: Bangladesh, the Comoros, France, India, Indonesia, Iran, Kenya, Madagascar, Malaysia, Maldives, Mauritius, Mozambique, Oman, Seychelles, Singapore, Somalia, South Africa, Sri Lanka, Tanzania, Thailand, the United Arab Emirates, and Yemen.

As a participant in this course, you will be presented with energy transition knowledge and conceptual tools relating to energy technologies, economics, policies and societal transitions. This course is online and interactive, featuring a mix of lectures, group discussions, workshops, self-paced learning and an applied assignment.

On completion of the course, you will have developed a **deeper understanding of the energy transition**. You will also have acquired knowledge of how technology, policy and society can shape the integration of the renewable energy transition and enable economy-wide decarbonisation through the electrification of all energy uses. Those who successfully complete all course requirements will receive an electronic ANU Certificate of Completion.

To nominate for this course, go to the course webpage.

Nominations for this short course open Monday 14 April 2025 (6:00pm AEST) and close Sunday 25 May 2025 (11:55pm AEST).

Modules

The course is framed by six learning modules:

1. Course orientation
2. Climate change and the renewable energy transition
3. Renewable energy technologies in practice
4. Policy, politics and energy economics
5. The societal transition
6. Participant presentations

Learning outcomes

By the end of this course, it is expected that participants who successfully complete all tasks will have:

- An understanding of the key technologies that will enable a transition to a zero-emissions energy system.
- Engaged with the key technological issues that underpin the integration of renewable energy into the grid.
- Considered the market, regulatory and policy frameworks that underpin the operation and facilitate the transition of the energy sector.
- An appreciation of the socio-economic issues that will need to be addressed in the energy transition.
- An understanding of the barriers, challenges and opportunities presented by international renewable energy trade.
- Created an Implementation Plan (applied assignment).

Further Information

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