Draft program. Times, talks and speakers may still change.

2026 Asia-Pacific Solar Research Conference

Open-Source Energy System Modelling Workshop

An interactive workshop combining presentations, demonstrations, tutorials and open discussion on topics relevant to the open-source energy modelling community.

Monday 30 November 2026
11:00 am for an 11:30 am start • Finishes 4:00 pm, followed by networking
Room 6.02, Marie Reay Teaching Centre, Australian National University, Canberra • In person only

Sponsored by:

RACE for 2030 — RELIABLE AFFORDABLE CLEAN ENERGY

Australian Government — Department of Climate Change, Energy, the Environment and Water

11:00 — 11:30 am	Arrival, tea & coffee Informal catch-up and networking before the official start.
11:30 — 11:45 am	**Welcome & introduction** Opening remarks from RACE for 2030, then an overview of the day from the organisers, housekeeping, and an introduction to the all-day activities.
11:45 am — 12:15 pm	**'Short-circuit' talks, part 1** Five-minute 'lightning talks' on open-source projects, tools and datasets. NEMX.jl: an open-source Julia package for NEM dispatch modelling Ghulam Mohy Ud Din (CSIRO) OpenISP: an open-source electricity system model based on AEMO's Integrated System Plan Ellie Kallmier (UNSW) Resource adequacy modelling suite for the NEM Tim Kopka (UniMelb) Energy Research Information Stack (ERIS) Michael Thomas (ANU) Model-Based Systems Engineering for Alumina Decarbonisation Adnan Qamar (CSIRO) How open is your modelling? Wendy Russell (ANU)
12:15 — 12:45 pm	**Open floor: demos & discussion** Part 1 presenters host tables for demos, questions and discussion. Explore the projects that interest you.
12:45 — 1:30 pm	Lunch

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1:30 — 2:00 pm	**‘Short-circuit’ talks, part 2** Five-minute ‘lightning talks’ on open-source projects, tools and datasets. Modelling green industrial hubs in Indonesia Jenny Hayward (CSIRO) AEMC market modelling toolkit - an extended weather reference year dataset Daniel Condon (AEMC) Modelling investment uncertainty: agent-based modelling to quantify economic uncertainty Markus Mannheim (DCCEEW) Power-system experiments in the browser: Tellegen and PowerIO Fred Geth (UQ) BMOPF tools (TBC) Sleiman Mhanna (UniMelb) Rapidly exploring future grid configurations with FIRM_CE Timothy Weber (ANU)
2:00 — 2:30 pm	**Open floor: demos & discussion** Part 2 presenters host tables for demos, questions and discussion. Explore the projects that interest you.
2:30 — 3:30 pm	**Panel session** Presentations and a panel on ideas, issues and practice in open-source energy modelling, opening up to questions and discussion from the floor. Trustworthy Computational Research in the Age of AI Archie Chapman (UQ) Interoperability in open-source energy modelling tools Michael Thomas (ANU) Open-source modelling at CSIRO James Foster (CSIRO) Building consensus and participation around shared energy models Fred Geth (UQ)
3:30 — 4:00 pm	**Wrap-up & next steps** Reflections from the day’s activities and a discussion of what this community wants to do next.
From 4:00 pm	Networking Informal drinks and conversation.

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