



ACCESS-NRI Scientific Advisory Committee Meeting Minutes #24

Thursday 15th May / 2.00 PM – 3.30 PM

Attendees

Chair: Andy Hogg

Rapporteur: Natalia Bateman

Members: Charmaine Franklin, Rachel Law, Laurie Menviel, Paul Spence, Claire Vincent, Andrew Robinson, Tilo Ziehn, Oscar Alves, Adele Morrison, Kelsey Druken, Ariaan Purich, Simon Alexander, Martin Dix

Observers: Chris Bull

Apologies: Victoria Allen

1. Welcome & Acknowledgment of Country

Previous Minutes of SAC Meeting 27th March

The previous minutes have been approved and uploaded on the [ACCESS-NRI website](#).

2. Matters Arising:

- Follow-up from PyEarthTools (Training, Board Proposal and ACCESS Workshop)
Not actioned yet
- Follow-up on options for enhancing SAC Meetings
Andy will have some proposals at the next meeting.

3. ACCESS-NRI Updates

3.1 National Digital Research Infrastructure (NDRI) update

A recent announcement by NCRIS on Outcome 4 of 6 the NDRI (focussed on HPC) awarded \$55M to NCI for their next HPC system (and \$22M to Pawsey for a mid-cycle upgrade). This funding is smaller than hoped for, but allows for commissioning of a new machine, which will be configured in an extensible fashion so that future funding can allow expansion of the system.

Action for everyone: When talking to government representatives, please impress on them how important it is to have HPC in Australia and why we need it to be extended.

Work on NCI about CMIP7 and other processes will be around very soon. ACCESS-NRI will try to keep you up to date.

NCI and Pawsey Directors are meeting NCRIS to discuss this.

3.2 CMIP7 update (Rachel Law)

- We have been focusing on ACCESS CMIP7 upstream and presented run results for several parameters.
- Working on adding vegetation, (PFT specific for Australia)
- CM3/AM3/ESM3- we are trying to turn the carbon cycle on AM3.
- Few meetings coming up to present these results, including the Momentum Users Workshop and AMOS.
- Expect to release ESM1.6 soon and start production run after July. Need code finalised in July/Aug. We are aiming to start pi control run from that and idealised experiments. The community is interested on knowing when they can start using the model.

3.3 Data update (Kelsey Druken)

Summary of the reference data supported by ACCESS-NRI merit allocation scheme. Further detail, including proposals and dataset list, can be found in the SAC SharePoint site: [ACCESS-NRI supported reference data](#)

Storage usage:

- Total Approved (TB): 546 TB
- Unallocated (TB): 654

Scheme total for FY2024-25 is 1200 TB. (Reference datasets)

New releases:

- [ACCESS-OM2 0.1 degree global model output \(repeat-year forcing\)](#)- released 7 May 2025
- Part of the COSIMA Model Output Collection (cj50).
- [ERA Interim-Land](#) and [ERA Interim](#) datasets- released 16 April 2025
- Part of the ACCESS-NRI Replicated Datasets for Climate Model Evaluation Collection (ct11).

Approvals in progress:

- ISMIP6 Ice Sheet Model Data Collection (8 datasets, 15 TBs)- publication of all datasets are in progress
- Operational Sea Surface Temperature and Ice Analysis (OSTIA) Sea Surface Temperature (1 dataset, 1 TB)- publication in progress
- OM3 evaluation support (11 datasets, 10TB) – will be made available to the community as part of the data management lite collection.

New approvals:

- Nil.

3.4 Software update

For Noting

Recent releases

- [ACCESS-rAM3 v1.0](#)
- [Conda analysis3 environments](#)
- ACCESS-OM3 0.25deg (alpha)

Upcoming releases

- ACCESS-AM3 (alpha)
- ESMValTool v2.12
- ENSO Evaluation Recipes (beta)

3.5 Business/Communications Update (Natalia)

ACCESS Community Workshop 2025

- Abstract submissions are opening this week, and registrations will open soon
- **ACTION for everyone: encourage students and ECRs you supervise to participate**

3.6 Draft Work Plan FY2025-26 (Kelsey Druken)

ACCESS-NRI Executive and Team leads held a planning day on 31 March to define our work plan for FY2025-26 and seek SAC feedback on the prioritised areas of work. We will provide a summary of the draft plan and allow time for questions and discussion. We also welcome feedback outside of the meeting (**deadline COB Friday 30 May**).

Link to copy within SAC SharePoint: [Draft Work Plan FY2025-26 SAC.docx](#)

If you have thought questions, priorities, etc we would like some feedback over the next few weeks as well as meetings or phone calls. Feedback will be open for the Community through the ACCESS-Hive Forum until June.

There were several specific questions about the priorities of the Work Plan including OM2, rOM3, CM3 and Wombat.

Item 4: Presentation on the Ocean model Team (Chris Bull)

This focuses on updates from the last time Dougie gave an update to SAC and included a presentation showing new members, interns, and team meetings and their work on ACCESS-OM3 development, ACCESS ESM1.6 and ACCESS CM3. Chris also highlighted the user survey for the COSIMA community that showed a strong interest for high resolution and resources helpful to the community (easy access to running models) and training program.

Item 5: Working Group Updates

Land Surface (no presentation today)

Last Land WG meeting focused on common forcings for running Jules and CABLE

Coupled & ESM (Tilo Ziehn)

Maintaining fortnightly meetings, resources are being used quite efficiently, pace-maker experiments and looking into the workshop in September

Atmosphere Modelling (Charmaine Franklin)

We have had technical talks from the community and ACCESS-NRI until now. We would like to know more from ACCESS-NRI about the tools. It would be good to have more ACCESS-NRI people presenting on how to use the new suites and provide training on how to use the tools working with the source code.

ACTION (Martin): follow up on priorities for training in the regional suite with Heidi and Paige. It is important to design a target training for this.

Ocean-Sea Ice Modelling (Adele Morrison)

COSIMA has produced a 7-minute video to onboard people so they have a better understanding of what COSIMA is. People from COSIMA are going to meet monthly about evaluation for the 25 km. A lot of work on the Annual meeting in September.

Cryosphere

No update

Machine Learning

No update

Item 6: Any Other Business

None

Item 7: Next Meeting

19th June 2025 2.00 – 3.30pm