

ACCESS-NRI Scientific Advisory Committee Meeting Minutes #25

Thursday 19th June 2.00 – 3.30pm

Attendees

Chair: Kelsey Druken

Rapporteur: Natalia Bateman

Members: Charmaine Franklin, Rachel Law, Laurie Menviel, Claire Vincent, Tilo Ziehn, Oscar Alves, Ariaan Purich, Lenneke Jong, Martin Dix, Andrew Robinson

Observers: Victoria Allen, Clare Richards

Apologies: Andy Hogg, Paul Spence (proxy: Ed Doddridge), Adele Morrison

1. Welcome & Acknowledgment of Country

Previous Minutes of SAC Meeting 15th May

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

2. Matters Arising:

- PyEarthTools approved as an ACCESS-NRI supported model at our Board meeting last Friday.
- Follow-up on options for enhancing SAC Meetings – this is ongoing.
- 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.
- ACTION for everyone: encourage students and ECRs you supervise to participate on the ACCESS Workshop using the attached pdf or forwarding the email we sent to the SAC committee.
- ACTION (Martin): follow up on priorities for training in the regional suite with Heidi and Paige. This has been actioned and added on training plan for next year.
- The committee welcomed Lenneke Jong, who has joined the SAC committee as representative from Australian Antarctic Division (AAD).

3. ACCESS-NRI Updates

3.1 National Digital Research Infrastructure (NDRI) update

There has been no progress on the call for NDRI proposals. NCRIS suggests the call will occur towards the middle of the year.

3.2 CMIP7 update (Rachel Law)

- We have been focusing on ACCESS.ESM 3 final checks for 100 years-run and replacing land with CABLE. ESM 1.6 long spin-up is under way and we will present these results in some meetings and next week at AMOS.
- There are ESM1.6 items that are still under way such as vegetation parameters, ocean temperature still spinning down, and CO2 runs.
- We are preparing experiments for fast track, idealised runs by the end of this year and scenarios into the next calendar year.
- We need to establish what data has been requested for CMIP7, what data we have available for the model and what studies you want to do with CMIP6 data, and what we want to target as a community.
- Baseline: 135/1863 Variable records.
- Should we ask the community or start at what experiments we are going to run and supply all data that is requested – either one is a bit of work.
- How can we do this more effectively? Get in touch with ideas.

ACTION (for everyone): members send any feedback you have on the data request.

Comment: when reaching out to the community, ask people to justify their request to filter. This might be a good topic for the ESM group to tackle.

3.3 Data update (Kelsey Druken)

Summary of the recent updates for 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): 551
- Unallocated (TB): 649

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

New releases:

- [Ice Sheet Model Intercomparison Project \(ISMIP6\) \[Replica\]](#) (8 datasets, 15 TBs) – data released on 5 Jun
- [Operational Sea Surface Temperature and Ice Analysis \(OSTIA\) Sea Surface Temperature](#) (1 dataset, 1 TB) – data released 12 Jun

Approvals 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:

- Additional experiment (01deg_jra55v13_ryf9091_ssp585_mw) as part of the ACCESS-OM2 0.1 degree repeat year forcing simulation (1 dataset, 5TB) – publication in progress.

3.4 Software update

For Noting

Recent releases

- [access-nri-intake-catalog v1.2.3](#)
- [ACCESS-OM3 dev-MC 025deg_jra_ryf-0.4](#) (alpha)
- [ACCESS-OM3 dev-MC 25km_jra55_ryf_0.5](#) (alpha)

Upcoming releases

- ACCESS-AM3 (alpha)
- ESMValTool v2.12
- ENSO Evaluation Recipes (beta)
- ACCESS-ISSM (beta)
- pyISSM v0.1
- ACCESS-MOPPeR v2.0 (alpha)

3.5 Business/Communications Update (Natalia)

Update on the status and upcoming deadlines for the ACCESS Community Workshop 2025. Abstracts submissions are open, and poster submissions will close 20th July, 2025. Registrations close 15th August.

ACTION (for everyone): encourage students and ECRs you supervise to participate using the announcement/email to Please feel free to forward and share this across your networks.

3.6 Draft Work Plan FY2025-26 (Kelsey Druken)

For Discussion

ACCESS-NRI has incorporated SAC and wider community feedback into a [revised draft](#). The team will be reviewing estimates of effort (FTEs) and finalising the remainder of the document for release later this month through the usual channels.

Comment: COSIMA was very pleased with the interactive nature of the plan. ACCESS-NRI thanks all the community for the feedback.

Item 4: Presentation on ACCESS-NRI Data management (Clare Richards)

For Discussion

A brief overview of the work completed over the last 12 months to establish the ACCESS-NRI merit allocation scheme for reference datasets will be provided in the meeting. This includes the streamlined approach, datasets being supported and next steps. Note: Clare presentation is attached to the SAC Sharepoint.

ACCESS-NRI thanks Clare for all her work setting up merit allocation and data management. ACCESS-NRI is looking for a new 12-month staff member for these activities, as well as support for CMIP7.

Next steps:

- Communication to users
- Storage allocation plan
- Documentation and handover: data governance, improve metadata,
- Data uplift beyond July 2025.

Questions:

1. Q: Is using the sandbox as a way to store multiple versions of the same data optimised for different analysis approaches a possibility? A: Looking at it as a user case. If this an issue, and if we can help through the merit scheme, we can investigate that.

2. Q: Are you going to publish this approach and How are you going to advertise it? A: There is a pathway for that, we are looking at options available, depending on the size of the set, publish through Zenodo, or if broad use, it can easily be published with those projects that we will be establishing. We are waiting until we know we have resources in the future to promote this. Once we have this contract in place, we can promote this further.
3. Q: Are we moving forward to these regional data sets and new formats? A: We are not currently doing that, but that will be part of the scope if we can help the community with these challenging use cases.

Item 5: Working Group Updates

Land Surface (Rachel Law)

Last Land WG meeting focused on how to better represent PIT for Australia.

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)

At the last meeting, Clare Richards joined us to talk about Data sets. We have been discussing the CWG meeting in September to get an agenda together. Paige Martin (Training) attended the meeting as well with some updates on providing training for more experienced users.

Ocean-Sea Ice Modelling (Ed Doddridge)

-We have been working on updating the COSIMA recipes to the intake catalogue

-Gokhan has accepted the invitation to speak at the COSIMA and ACCESS Workshops

-Weekly meetings are going well – we have been working on Community guidelines on contributions and attributions
We would like to invite people who runs the model run, trying to avoid people feeling not invited

-We have created a spreadsheet on what people are doing with the model.

-We are developing a very detailed ethics statement and on trying to understand the diversity of the COSIMA community as the statistics of speakers to our meetings don't reflect community diversity. Common discussion themes include how to recognise all the people that have contributed and how to invite speakers closer to our community ratio.

Cryosphere

Monthly meetings are going well. The last couple of months we are focusing on planning the next workshop

Machine Learning

From Micael: We are participating on a training session on Payu package on the ACCESS Training Day on Tuesday.

Item 6: Any Other Business

None

Item 7: Next Meeting: 31st July 2025 2.00 – 3.30pm