



Program

Australian Earth System Simulator Community Workshop 2022

The first ACCESS-NRI Community Workshop will run as a hybrid event **from Wednesday 22-Thursday 23 June, 2022.**

In person sessions will take place at ANU in Canberra and online sessions through Zoom, with some hybrid participation sessions in both days.

This event is open to anyone who works with, or is interested in the Australian Community Climate and Earth System Simulator (ACCESS).

Everyone is welcome, including ACCESS developers, users of ACCESS model output, people considering using ACCESS in the future and those at all career stages.

AIMS OF THIS WORKSHOP

- To bring together people from across the ACCESS community, to enhance existing links and to build new collaborations, especially between disciplines.
- To build on the ideas discussed during the 2021 ACCESS Discussion Day to inform immediate work plans for the ACCESS-NRI.
- To get further community input into the ACCESS-NRI long-term strategic plan, including potential new capabilities.



COMUNICATION CHANNELS DURING THE WORKSHOP:

- **Workshop Slack Channels**

We will be using the ACCESS-NRI Slack workspace at the workshop to help capture all the outcomes of each discussion session. We also welcome the use of these channels by the community beyond the workshop if they need it. As such, we strongly encourage everyone attending to join the ACCESS-NRI Slack workspace.

For the members of the ACCESS-NRI workspace, we will open Slack channels for each topic of discussion, e.g atmosphere, infrastructure, etc. We will add you to the appropriate channels according to your registration choices, so it is easy for you to find them. But all the channels will be open to all, please feel free to join other channels as needed.

If you are not a member of the ACCESS-NRI Slack workspace, join here: https://join.slack.com/t/access-nri/shared_invite/zt-1aad4xmjk-uVklmbOJoiejrGRCSx_DQ

Once you are a member, we will add you to the appropriate channels.

- **Social media channels**

Twitter: use the #ACCESSCommunity2022 Our Handle: @ACCESS-NRI

- **Discussion Document in Googledocs:** <https://docs.google.com/document/d/1euOP6QygCDpxSq2CEQhchFr7ILGklYnvkiTLtrYQFcl/edit#>

Support members for the day:

Please contact Natalia Bateman, Apoorva Raghubanshi, Akiko Hirata or Thomasina Henriquez (in that order) if you have problems, through Slack or email.



DAY 1: WEDNESDAY 22 June 2022 (please note times are in AEDT)

[ZOOM Link for Day 1](#)

Time	Session	Topics/Questions covered/Sub-groups	Location
9:30-10:00	Registration, Morning tea		
10:00-10:30	Introductory plenary session	Welcome, Housekeeping and Overview ACCESS National Research Infrastructure (Andy Hogg)	Molonglo Theatre
10:30-10:45	6 Invited Science Talks by ACCESS users (10 min presentations 5 min Questions)	<i>Projected impacts of Antarctic meltwater anomalies over the 21st Century</i> (Ariaan Purich, Monash)	
10:45-11:00		<i>Forecasting rainfall at multiweek timescales using ACCESS-S2 and Atmospheric Rivers</i> (Kim Reid, Monash University)	
11:00-11:15		<i>Paleoclimate modelling with ACCESS</i> (Nerilie Abram , ANU)	
11:15-11:30		<i>Towards an (even) higher resolution reanalysis for understanding local climate – past, present and future</i> (Chun-Hsu Su, Bureau of Meteorology)	
11:30-11:45		<i>ACCESS-ESM1.5 submission to ZECMIP: the Southern Ocean as the climate's 'freight train.'</i> (Matt Chamberlain CSIRO)	
11:45-12:00		<i>Modelling the Antarctic Ice Sheet: recent progress and opportunities</i> (Felicity McCormack, Monash)	



Time	Session	Topics/Questions covered/Sub-groups	Location (in person)
12:00-13:00	Lunch		
13:00-13:30	Plenary: <i>Building a community Model</i>	Gokhan Danabasoglu	Molonglo Theatre
13:30-13:40	Prime to First Discussion	Kelsey Drunken	
13:40-15:00	Discussion Group 1 SPHERES: Parallel group discussions focused on community building within disciplinary groups.	<ul style="list-style-type: none"> • Atmosphere (including Chemistry) 	Barton Theatre/2 breakout
		<ul style="list-style-type: none"> • Ocean (including BGC) 	Molonglo Theatre/1 breakout
		<ul style="list-style-type: none"> • Land (including BGC) 	Brindabella Theatre/1 breakout
		<ul style="list-style-type: none"> • ICE (Ice Sheets / Sea Ice /High Latitudes/Cryosphere) 	Seminar Room 8/1 breakout
		<ul style="list-style-type: none"> • Coupled modelling (including ESM and paleo) 	Seminar Room 7/2 breakout
15:00-15:30	Afternoon Tea		
15:30-16:30	Report back to the Plenary Session - Community Building	Kelsey Drunken (Chair)	
16:30-17:30	Tour to NCI for those in Canberra		



Day 2: Thursday 23 June 2022 (please note times are in AEDT)

[ZOOM LINK for Day 2](#)

Time	Session	Topics/Questions covered/Sub-groups	Location (in person)
08:30 - 09:00	Coffee , tea		
09:00 - 09:15	Invited Science Talks by ACCESS users (10 min presentations)	<i>Urban-scale NWP at the Bureau</i> (Mathew Lipson, Bureau of Meteorology)	Molonglo Theatre
09:15 - 09:30		<i>Modelling ocean circulation and change around the Antarctic margins</i> (Adele Morrison, ANU)	
09:30 - 09:45		<i>The importance of standardized data structures for facilitating science</i> (Chloe Mackallah, CSIRO)	
09:45 - 10:00		<i>Next Generation Atmospheric Modelling with LFRic</i> (David Lee, Bureau of Meteorology)	
10:00 - 10:15		<i>The National Computational Infrastructure (NCI) role in the ACCESS-NRI</i> (Ben Evans, NCI)	
10:15 - 10:30	Primer for NRI immediate priorities	Claire Carouge	
10:30 - 11:00	Morning Tea		
11:00 - 12:00	Discussion Group Session 2: Parallel group discussions focused on the ACCESS-NRI immediate priorities	• Regional Models	Molonglo Theatre
		• Global Models	Lennox Room
		• Evaluation and benchmarking	Seminar Room 7
		• Infrastructure/ Technical (including Pangeo, release management, documentation, experiment data bases)	Brindabella Theatre
12:00- 12:55	Report back to Plenary session	Chaired by Claire Carouge	Molonglo Theatre
12:55-13:00	Primer to Discussion 3: Next steps	Andy Pitman	



Time	Session	Topics/Questions covered/Sub-groups	Location (in person)
13:00 - 14:00	Lunch		
14:00 -15:00	Discussion Groups Session 3: Parallel group discussions focused on ACCESS-NRI long-term planning. (Interdisciplinary smaller groups formed randomly to give everyone the opportunity to have a say)	Group Molonglo	Molonglo Theatre
		Group Brindabella	Brindabella Theatre
		Group Barton	Barton Theatre
		Group Seminar 7	Seminar 7
		Group Lennox	Lennon Theatre
15:00 – 15:30	Afternoon Tea		
15:00 - 16:00	Wind up and final discussion	Andy Hogg	Molonglo Theatre
18:00 -20:00	ACCESS-NRI LAUNCH		National Museum of Australia and online

MAP OF THE LOCATIONS

