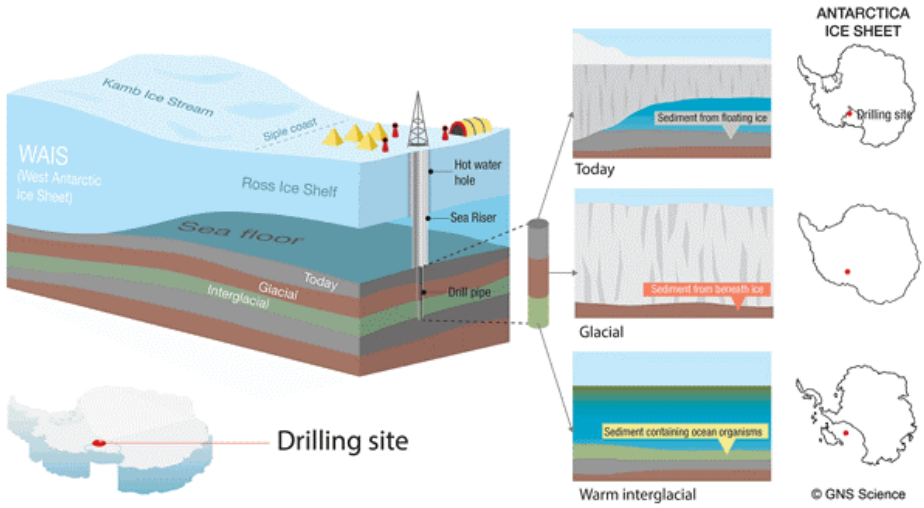
Application to participate as the Australian representative in the SWAIS-2C project



Assessment:

Your application will be assessed on the following criteria by the ANZIC and AuScope Science Committee:

1. Relevance of expertise to the SWAIS-2C Project
2. Science Plan (for workshop and post sampling research)
3. Preliminary Budget (can apply for up to $15K)
4. Outputs and Outreach activities proposed

Contact Information:

Surname: **First & middle names:** **Title:**

Email:

Phone **Work:** **Personal:**

Current employment/role:

Institution:

Department/School/Section:

Inst. address: **State:**

Citizenship: **Place and date of birth:**

Gender:

☐ Female ☐ Transgender ☐ Prefer not to respond

☐ Male ☐ Non-binary/non-conforming

Do you hold a current Australian or New Zealand passport?

☐ Yes ☐ No

Expiry date:

Australian visa type (if relevant and expiry date):

Are you currently an enrolled student at an Australian University?

☐ Yes ☐ No

Degree undertaking:

Expected graduation date:

NOTE: you must provide a support letter for your application signed by your supervisor and Head of Dept/School acknowledging your participation and any confirming support to ensure you are able to commit time to undertaking analyses and report/paper writing as a member of the SWAIS-2C scientific team.

Scientific Expertise:

Discipline	Speciality
☐ Palaeomagnetism	
☐ Petrophysics (physical properties, downhole measurements, geo-physics, core-log-seismic integration)	

Select the hypotheses that your research plan will address:

To find out more about this project read the SWAIS 2C Workshop report, https://sd.copernicus.org/articles/30/101/2022/, or email anzicprogramscientist@ani.edu.au for the original ICDP proposal.

☐ H1: Ice solid Earth feedbacks influenced ice dynamics along the Siple Coast on a multi-millennial timescale trajectory during the Holocene

☐ H2: Ocean temperatures and circulation patterns are the key than-present late Quaternary super-interglacials.

☐ H3: Marine-based ice sheets were highly dynamic and periodically expanded and retreated across the Siple Coast during the mid- to late Pliocene (3.3 –2.6 Ma) but did not advance across the continental shelf during the early Pliocene (a marine-based WAIS could not grow as climate was too warm prior to the M2 glaciation).

☐ H4: A smaller-than-present terrestrial AIS during the Miocene Climate Optimum (MCO), produced by a combination high atmospheric CO_2 and tectonic land subsidence, resulted in extensive highly productive shallow marine seas that subsequently drew down CO2 and culminated in global cooling and ice expansion during the middle Miocene Climate Transition (MMCT).

Outputs & Outreach:

Please provide an indication of the scientific and outreach outputs that you specifically expect to provide. Please related them to your proposal plan.

How did you first hear about the call to participate on the SWAIS-2C project?

- ☐ ANZIC
- ☐ AuScope
- ☐ Email from a colleague
- ☐ Twitter
- ☐ Facebook
- ☐ Instagram
- ☐ Other

Please provide two referee contacts:
If you are a student, please provide your principal supervisor as one of these referee contacts. If you are not a student, please provide your direct line-manager contact details.

Referee 1.

Name: **Affiliation:**

Email: **Phone:**

Referee 2.

Name: **Affiliation:**

Email: **Phone:**

Additional documents:

Please provide the following documents:

1. Research Plan & Budget – see below for guidance
2. CV – max. 2 pages
3. Publication list – max. 2 pages
4. Letter of recommendation/support (for PhD students or others supporting employment situation). Max. 1 page.

Please complete and send your application form and the additional documents in PDF format (preferably as one file) by email to the iodp.administrator@anu.edu.au.

SWAIS 2C Research Plan:

Your research plan must include:

1. SWAIS 2C hypotheses, as outlined above, that you will address and your specific scientific objectives.
2. Methods used to meet your objectives
3. List of collaborators, including summary of role for each
4. Sampling requirements

Your research plan should be brief (no more than two pages) and to the point. Remember that we anticipate recovering 200 m or less of sediment/rock each season

If you want to seek permission for collaborators that are not members of the SWAIS 2C Science Team, you must clearly explain their role, including which measurements they will collect and/or modeling experiments they undertake. If their measurements conflict with those proposed by another named Science Team member, the named SWAIS 2C Science Team member has priority, and that portion of your research will be declined. A list of SWAIS 2C Science Team members will be published on the ANZIC SWAIS 2C call March 18.

Sample Requirements: Indicate the size of sample you need for the analyses you will carry out, the approximate sample spacing, and total number of samples anticipated. If your samples require any special handling/treatment, indicate that as well.