# ANZIC Guidelines for Scientific Drilling Participation Support – Australia

The Australian and New Zealand International Scientific Drilling Consortium (ANZIC) equips scientists in Australia and New Zealand with the skills, global connections, samples and data needed to explore Earth's interconnected processes, past and future.

With a view to deep Earth discovery that underpins a resilient and sustainable society, ANZIC supports scientists in Australia and New Zealand to participate in scientific drilling expeditions or projects run by international scientific drilling programs.

These guidelines apply to scientists or students at a Host Institution that is an *Australian* ANZIC member institution that have been selected or invited as a Participant in a scientific drilling Expedition or Project.

Scientists or students affiliated with a New Zealand ANZIC member institution can apply for support through GeoDiscoveryNZ.

## Eligibility

- Participants with a position at a Host Institution that is at 0.4 Full Time Equivalent (FTE) or above. Participants whose personal circumstances (e.g. illness, carer responsibilities) require employment at a lower FTE should contact the ANZIC Office for guidance.
- Participants who hold a position at a non-member institution with a higher FTE than their position at a member institution are not eligible for Participation Support.
- Participants who move to an ANZIC member institution before completion of an expedition or project are eligible for ANZIC Participation Support, but only if previously awarded participation support funds are withdrawn.
- Emeritus positions at an ANZIC institution at which the Participant was previously employed for at least four years prior to retirement are eligible, but only if still resident in Australia.
- Honorary, adjunct or visiting positions are not eligible for Participation Support.

## Scope

ANZIC Participation Support can cover the following costs associated with involvement in international scientific drilling Expeditions and Projects:

- Contribution to drilling costs for ICDP Projects
- Travel to and from the port of arrival and departure of a scientific ocean drilling Expedition (if selected for offshore participation)
- Travel to and from an onshore drill site
- Travel to an official post-drilling Sampling Party involving other members of the Science Party
- The Participant's Post Drilling Analytical Funding (PDAF)
- Travel to an Editorial Meeting (if invited to join the editorial team)
- Travel to a post-drilling Science Meeting

Travel can include pre-approved reasonable costs for flights, ground transport, accommodation, meals, visas, medicals and essential training (e.g. helicopter underwater escape training, survival at sea). Insurance is not covered and must be provided by the Participant's Host Institution.

The PDAF budget is generally not finalised until after drilling is complete and sample availability is known.

Participation support will end no more than 24 months from the conclusion of drilling, but extensions may be granted under exceptional circumstances.

## Funding available

Generally, reasonable, pre-approved travel costs associated with Expedition/Project participation will be fully funded, but Participants should seek co-funding for travel costs from the Expedition/Project budget via the co-chiefs or Principal Investigators.

The level of Post-Drilling Analytical Funding is up to $25,000.

## How to apply

It is expected that costs associated with a Participant's involvement in a scientific drilling Expedition or Project will be clearly outlined in their pre-expedition application to participate in that Expedition/Project. An exception to this requirement is requests for support to participate in a post-expedition Editorial Meeting, for which support will be considered only for Expeditioners invited to attend that meeting as part of the editorial team.

The procedure for applying to participate in a scientific drilling Expedition or Project and for ANZIC's Participation Support is as follows (see also Table 1):

1. Apply to participate in a scientific drilling Expedition or Project:
    a. For scientific ocean drilling Expeditions, applications to participate are generally made directly to the relevant Scientific Drilling Program, with automatic notification to ANZIC. The Scientific Drilling Program will forward ANZIC applications to the ANZIC Office for review and ranking by the ANZIC Science Committee. The Science Committee reviews and ranking of applications are returned to the Scientific Drilling Program for Science Party selection by the Expedition/Project co-chiefs. Final selection of Participants is guided by the Science Committee reviews and ranking, but may differ due to the need to select a balanced Science Party.
    b. For ICDP Projects, participation is generally coordinated with the Principal Investigator team, but ANZIC must be informed that an application or request to participate has been made.
2. Once selected as a Participant, prepare and submit an application to ANZIC for Participant Support that includes a research proposal and a budget covering costs for travel related to the Expedition/Project, analytical work on core samples and/or data analysis and modelling. For ICDP projects, include a request, with justification, for a contribution to drilling costs, including a summary of other expected international and national co-contributions.
3. Participation in the scientific drilling Expedition/Project. ANZIC prefers that Australian-based travellers make travel bookings and have insurance coverage through their home institution. ANZIC will then reimburse costs, up to any approved amount, on receipt of an invoice from the traveller's Home Institution. In exceptional circumstances, ANZIC may agree to make travel bookings on the traveller's behalf through the Australian National University.
4. Once drilling and/or sampling are complete, review, revise and resubmit PDAF research proposal and budget for review and approval by the ANZIC Science Committee.
5. Execution of a grant agreement with The Australian National University (the Administering Organisation for ANZIC).

*Table 1: Overview of the ANZIC Scientific Drilling Participation Support application process for the International Ocean Drilling Programme (IODP³) and International Continental Scientific Drilling Program (ICDP).*

| Steps to apply | IODP³ | ICDP |
|---|---|---|
| **Apply to participate** | IODP³ Gateway | Respond to call or informally to Project Principal Investigators<br>Inform ANZIC Office |
| **Application review** | ANZIC Science Committee | Project Principal Investigators |
| **Selection** | Expedition co-chiefs and Expedition Project Managers | Project Principal Investigators |
| **Application for *ANZIC Scientific Drilling Participant Support*** | ANZIC via SmartyGrants | ANZIC via SmartyGrants |
| **Notification of Participant Support (max. 4 participants per expedition or project)** | ANZIC Office | ANZIC Office |
| **Participate in Expedition or Project** | IODP³ | ICDP |
| **Post-expedition/project revision and resubmission of Participant Support (with any changes once sample availability is known)** | ANZIC Office and Science Committee | ANZIC Office and Science Committee |

## Conditions and limitations

The following conditions and limitations apply to ANZIC's Participation Support:

1. Participation Support can only be provided to employees and students at a Host Institution that is an ANZIC Member Institution. If a Participant moves to a non-ANZIC institution their Grant Agreement with ANZIC must be terminated.
2. These Guidelines currently apply only to employees and students at a Host Institution *in Australia* and are valid only for Participants selected prior to 30 June 2027. Expeditioner Support for New Zealand based Participants is handled separately by GeoDiscoveryNZ.
3. ANZIC will only provide funds for a maximum of four Participants per Expedition or Project. Allocations will be based on the ANZIC Science Committee ranking of those applying to participate in an Expedition or Project.
4. Cover for travel costs is governed by the *ANZIC Travel Expenditure Policy*.

### Possible support beyond invited Participants

ANZIC will consider post-drilling requests for additional support (travel only) for participation in post-expedition activities, such as Sampling Parties and Science Meetings, under the following circumstances:

1. Postgraduate students or postdoctoral researchers undertaking research projects linked to the Expedition/Project, but only if they are formally supervised by the Participant and have been formally accepted as a member of the Science Party (e.g. as per requirements set out in the IODP³ Sample, Data and Obligations Policy).

# Types of support

ANZIC will consider the categories of Participation Support outlined below and summarised in Table 2.

*Table 2: Summary of types of Participation Support available from ANZIC to support participation in scientific drilling Expeditions or Projects.*

| Type of support | ICDP drilling Project | Offshore Drilling Expedition | Legacy Project | Funding limit |
|---|---|---|---|---|
| Travel to departure and from return port | | Yes | | Reasonable costs for flights, ground transport, accommodation, meals |
| Travel to and from drill site | If required | | | Reasonable costs for flights, ground transport only |
| Travel to Sampling Party | Yes | If required | Yes | Reasonable costs for flights, ground transport, accommodation, meals |
| Post Drilling Analytical Funding (PDAF) | Yes | Yes | Yes | Reasonable costs to support post-drilling science |
| Travel to Editorial Meeting | | If invited | If invited | Reasonable costs for flights, ground transport, accommodation, meals |
| Travel to Post-Drilling Science Meeting (after the moratorium period) | Yes | Yes | Yes | Reasonable costs for flights, ground transport, accommodation, meals |
| Contribution to drilling costs (international) | Yes | | | $ 80,000 |
| Contribution to drilling costs (AU, NZ, Oceania) | Yes | | | $ 160,000 |

## Travel to departure and from return port

If a Participant is selected as an offshore Science Party member during an ocean drilling Expedition, ANZIC will cover reasonable and pre-approved costs associated with flights and ground transport to the departure port and from the arrival port, as well as accommodation and meal costs at the relevant port for up to two days prior to boarding and upon disembarking the vessel. Visa costs and required training can be covered.

## Travel to drill site

If a Participant is selected as a Science Party member for an ICDP continental drilling Project and if ICDP will not cover such costs, ANZIC will cover reasonable and pre-approved costs associated with flights and ground transport to and from the drill site. It is expected that onsite accommodation and meals will be covered as part of the ICDP Project budget. Visa costs can be covered.

## Travel to Sampling Party

If a Participant's core sampling does not take place onboard a vessel during an ocean drilling Expedition or during the field campaign of an ICDP Project, then ANZIC will cover reasonable and pre-approved costs associated with flights and ground transport to and from the location of a post-drilling Sampling Party, as well as accommodation and meals for the duration of the Sampling Party. Visa costs can be covered.

## Post Drilling Analytical Funding (PDAF)

PDAF funding requests may include:

- analytical costs

- sample shipping
- software licenses critical to project success, such as imaging or data processing software (critical nature to be clearly justified)
- access to or application of specialist data science or machine learning expertise to drilling datasets
- research assistant/technician support to digitise, collate and/or format drilling data as a key step towards addressing wider or critical scientific questions
- access to supercomputing on national facilities or through web-based services (e.g. climate or geodynamic models that are used to ground-truth drilling data, biological models, genetic and/or other data processing, etc.)
- publication fees
- training courses that help researchers understand how to better access and interrogate drilling-related data

PDAF funds *cannot* include indirect support costs of staff employed by the Participant or their Host Institution, or for the indirect costs of research.

### Travel to Editorial Meeting

If a Participant is invited to join the editorial team of an Expedition or Project, then ANZIC will cover reasonable and pre-approved costs associated with flights and ground transport to and from the location of one Editorial Meeting, as well as accommodation and meals for the duration of that Editorial Meeting. Visa costs can be covered.

### Travel to post-drilling Science Meeting

Provided that a Participant is planning to present substantial research results derived from their involvement in an Expedition or Project, ANZIC will cover reasonable and pre-approved costs associated with flights and ground transport to and from the location of one Science Meeting, as well as accommodation and meals for the duration of that Science Meeting. Visa costs can be covered.

### Contribution to Drilling Costs

For ICDP Projects that have an ICDP Funding Agreement in place prior to 30 June 2027, ANZIC will provide a contribution towards the costs of drilling. Participants in ICDP projects in Australia or New Zealand (including Antarctic territories) or Oceania can apply to receive AU$160,000 (roughly equivalent to US$100,000) per Project towards drilling costs. Participants in all other ICDP projects can apply to receive AU$80,000 (~US$50,000) per Project.

## Definitions

**Drilling Costs** A contribution to drilling costs as part of the co-mingled budget for an ICDP Project.

**Scientific Drilling Program** includes, but is not limited to, the International Continental Scientific Drilling Program (ICDP), the International Ocean Drilling Programme (IODP³, of which ANZIC is an Associate Member until at least the end of 2027), a future United States program overseen by the Scientific Ocean Drilling Coordination Office (SODCO), and China's emerging Deep Ocean Drilling Program (DODP).

**Editorial Meeting** A meeting of Expedition/Project co-chiefs and invited members of the Science Party to finalise the Expedition/Project Proceedings volume or other reporting requirements.

**Expedition/Project** An activity overseen and run by an international scientific drilling program (e.g. ICDP, IODP³, SODCO, DODP) to acquire and analyse core samples and associated data from beneath the Earth's surface and seafloor. Expeditions and Projects include scientific drilling activities at sea, both with and without an offshore Science Party, and on land. Expeditions and Projects include large, program run Legacy Projects that do not involve new scientific drilling.

**Participant** An individual selected by a Scientific Drilling Program and Expedition/Project chief scientists to participate in an Expedition/Project as part of the Science Party.

**Host Institution** The place of work or study at which a Participant is employed or enrolled to study. Only staff and students of a Host Institutions that is an ANZIC Member institution can receive funding.

**Legacy Projects** As per the definition in the Scientific Ocean Drilling Programs Sample, Data and Obligations Policy (effective 1 October 2024), Legacy Projects are "interdisciplinary, coordinated research efforts that utilize existing scientific ocean drilling legacy assets on a scale that extends beyond that of a typical post moratorium sample request". Legacy Projects include, but are not limited to, Legacy Assets Projects (LEAPs, as defined towards the end of IODP), Scientific Projects using ocean drilling ARChives (SPARCs, implemented by IODP³ from 2025), and the Repository Core Re-Discovery Program (ReCoRD, a joint initiative of the Kochi Core Center and the Japan Scientific Drilling Support Office, formerly the Japan Drilling Earth Science Consortium).

**Moratorium Period** The period following completion of an Expedition or Project during which the Science Party has priority access to cores and data. The Moratorium Period is generally 12 months from the end of a scientific ocean drilling Expedition or completion of the Sampling Party, or two years after the Sampling Party for an ICDP Project.

**Post-drilling Science Meeting** A meeting of the Expedition/Project Science Party, generally held after the Moratorium Period, and which Expedition/Project science and research outcomes are presented and discussed.

**Sampling Party** A post-drilling assembly of the Science Party at a core repository to undertake personal sampling of the cores collected during an Expedition or Project. Usually held within a few months of the Expedition, and usually only for Expeditions or Projects where no personal sampling was undertaken on the drilling vessel or at the drill site during drilling.

**Science Party** The group of scientists selected by a scientific drilling program and Expedition/Project co-chief scientists to participate in an Expedition or Project.