

ANZIC IODP Legacy Analytical Funding (AILAF)

Members of the Australian and New Zealand International Ocean Discovery Program Consortium (ANZIC) have the opportunity to apply for grants of up to \$20,000 (or \$30,000 if leveraged) to support studies of legacy scientific ocean drilling (DSDP, ODP, IODP) material and/or data, through the ANZIC IODP Legacy Analytical Funding (AILAF) program.

This successful program has supported many legacy grant projects centred on the analysis of previously collected DSDP/ODP/IODP samples and has facilitated the rapid production of high-quality publications, conference presentations and/or outreach activities.

Current Call:

In 2020, ANZIC will provide a pool of up to AUD\$200K worth of funding (and a separate pool of NZD\$50K for New Zealand applicants), to be distributed to appropriate projects that can be **completed by 15th November 2021**. Applications should be proposed that seek analytical fund support of up to \$20K, whether these are for sample or data projects. Proposals focussed specifically on data and data product projects that can demonstrate additional leverage towards a project, can apply for up to \$30K.

In 2020, the AILAF program is being expanded to also include a call for projects that are specifically designed to utilise the wealth of data and data products that have been generated through 50+ years of ocean drilling. Projects with a clear scientific focus, but that require support to make use of these datasets and translate the data into knowledge, **are being sought**. We expect this will open the call to sections of the scientific community (i.e. data analysts/mathematicians/visual data scientists/ molecular/ genetic analysts) who may not traditionally work in or with the geosciences and therefore not normally apply for ANZIC support. Expected outputs are high-quality publications and/or products, adhering to the FAIR data principles ([https:// www.ands.org.au/working-with-data/fairdata](https://www.ands.org.au/working-with-data/fairdata)).

For example, funding related to data analysis may be requested for:

- access to specialist data science or machine learning expertise that utilises IODP
- access to a research assistant/technicians time¹ to digitise, collate and/or format ocean drilling data as a necessary first-step before wider scientific questions can be addressed.
- software licenses critical to the success of the project, such as imaging and data processing software (critical nature to be clearly justified).
- supercomputing time on national facilities or through web-based services (e.g. climate or geodynamic models that are used to ground-truth ocean drilling data, biological models, genetic and/or other data processing).

¹ Note: ANZIC funds cannot be used to employ staff directly for a project (academic or technical). They can be used to pay for the time of an existing staff member who is already providing an analytical service. ANZIC is not responsible for on-costs/leave/other entitlements or other unforeseen employment conditions or levies associated with the time linked to undertaking an analytical service.

- open-source software, model and/or program development that leads to better access to ocean drilling data for researchers (e.g., R-script/package development to automate certain analyses).
- training courses that help researchers understand how to better access and interrogate ocean drilling data.

IODP has data available through various portals. Some examples include:

- IODP website: <http://www.iodp.org/resources/access-data-and-samples>
- Site survey data bank: <http://ssdb.iodp.org/>
- Scientific Earth Drilling Information Service (SEDIS): <http://sedis.iodp.org/>
- JR data: <http://web.iodp.tamu.edu/OVERVIEW/>
- Expedition data on Zenodo: <https://zenodo.org/communities/iodp/?page=1&size=20>
- IODP-BCR Data Portal: <http://iodp.pangaea.de/>
- Ocean Drilling Stratigraphic Network: <https://www.odsn.org/odsn/index.html>
- iCORDS: <https://www.icordsgeo.org/>
- Neptune Sandbox Berlin: <http://www.nsb-mfn-berlin.de/>
- Open Core Data - discovery tool for basic core data: <http://opencoredata.org/>
- Magnetics Information Consortium (paleomagnetism and rock magnetism): <https://www2.earthref.org/MagIC>
- EarthChem Portal – geochemistry data: <http://www.earthchem.org/portal>
- ISGN – a sample registry including core samples: <https://www.igsn.org/>

Who should apply:

Applications should be made by Australian ANZIC institutional members (including PhD students, post-docs, employed academic staff). These can be single investigator or team applications. If a team application is submitted, the Chief Investigator (CI) must be employed at an Australian ANZIC institution.

New Zealand ANZIC institutional members can also apply, where a separate pool of up to NZD\$50k is available.

Leveraged Applications. Applications can be submitted to include investigators external to Australian ANZIC member institutions and can include New Zealand investigators who are members of ANZIC. Funding is not transferrable unless arrangements are approved by ANZIC.

Applicants should have an understanding of the general IODP Code of Conduct and Anti-Harassment policy that acceptance of ANZIC support through this activity falls under: <http://www.iodp.org/top-resources/program-documents/policies-and-guidelines/660-iodp-code-of-conduct-and-anti-harassment-policy-december-2019>

Application Timeline and Assessment:

Call opens: 3rd July 2020.

Call closes: 24th July 2020. 5pm AEST

Application submissions format: single PDF file including all three sections of the application within specified page limits.

Application submission procedure: by e-mail to the ANZIC Administrator (iodp.administrator@anu.edu.au) with your institution's Research or Contract office cc'ed. Applications are reviewed by the ANZIC Science Committee and ranked based on the criteria outlined separately below. Recommendations for funding support are made to the Program Scientist and Governing Council for approval. There is no applicant rejoinder process. The Program Scientist may liaise with a Chief Investigator to seek clarification on any matters raised by the Science Committee or the Governing Council with respect to an application.

Anticipated announcement of successful projects: 31st August 2020.

Assessment Criteria: Your application will be assessed against the following criteria by the ANZIC Science Committee:

1. Project Feasibility within timeframe.
2. Research Plan, intention clarity and role of applicants if multiple.
3. Outputs and Outreach activities proposed.
4. Budget justification (and if applicable, leveraging support with respect to a \$30K requested project).
5. Applicant track record relative to opportunity.

Funding limitations: The ANZIC AILAF 2020 support round is aimed at supporting projects through to the 15th Nov. 2021, meaning expenditure on items outlined in the proposal must be expended and acquitted by that date. Unused funds are thus required to be returned to ANU within 30 days after 15/11/21. Extensions to any funded AILAF 2020 project cannot be requested unless future ANZIC funding is secured.

