



ANDRILL Proposal Guidelines

1. Format:

Proposals must be written in clear English and need to conform to the following requirements:

- a) Pages must be formatted to U.S. letter size with all margins being 2.5cm
- b) The height of the letters must be at least 10 point

Proposals can be prepared using any word processing software but must be saved as a portable document format (PDF) file and submitted by uploading it to the ANDRILL web portal for final submission.

2. Modifications:

You may modify your submitted proposal by logging onto your ANDRILL account and uploading a new PDF file. Modifications will be accepted until the application deadline June 1st, 2005.

3. Contents:

The research proposal must include the following sections:

- A. Project Title
- B. Research Description
- C. Sample Requirements
- D. Scientific Equipment and Facilities
- E. Student Support
- F. Education and Public Outreach
- G. Previous Experience
- H. Biographical Sketch
- I. Statement of Anticipated Research Support
- J. Additional Information

A. Project Title

B. Research Description (no more than two pages per Project)

In order to identify a complete science team with a coherent research plan, Co-Chief Scientists and the McMurdo Sound – ANDRILL Science Implementation Committee (M-ASIC) require a detailed description of the research you propose to conduct on ANDRILL materials.

This section should include a concise summary of all aspects of the scientific work you propose to undertake for the project(s) in which you would like to participate. Include an outline of how your research will contribute to the scientific goals described in the Project Prospectus. If you wish to be considered for both Projects please clearly distinguish the research you propose to conduct for each Project. Also include a clear indication of your Project preference.

Provide a clear statement of the activities to be undertaken, including your preferred research location for the drilling phase of the project(s) (i.e. on-ice at the drill site, at the drill camp, or at McMurdo Station in the Crary Science and Engineering Center [CSEC]; or off-ice at your home institution). Please ensure that you include justification of your preferred research locality. Describe the research activities to be performed at your home institution once drilling is complete. [Please note that, prior to

submission of secondary sample requests at the Core Workshop, successful applicants will be able to modify their research plan to accommodate knowledge gained following core recovery].

C. Sample Requirements

Describe anticipated sample volume and sampling interval required to complete your proposed research. Recognize that, at this stage, you are being asked to provide a sampling guideline. Once Project staffing has been confirmed, successful applicants will be asked to submit a more detailed request for samples to be studied during the Core Characterization phase (period between the commencement of drilling and the Core Workshop). Successful applicants will be required to submit a detailed supplementary sample request at the Core Workshop once the initial core characterization phase has been completed and any necessary modifications to the Project Science Plan have been made.

D. Scientific Equipment and Facilities

Please provide an overview of all equipment and facilities required to complete your proposed research. Are these equipment and facilities available to you at your home institution? If you are proposing to be an on-ice member of a Project Science Team, please indicate whether or not you will be able to (a) bring any required equipment with you, (b) ship it to McMurdo Station for use during on-ice research activities, or (c) that you know (from prior experience or through contact with relevant personnel) that the required equipment or instrumentation is currently in the United States Antarctic Program inventory and will be available for use by ANDRILL scientists.

Technical Support: Please indicate if you require dedicated technical support to help with on-ice research activities. Could a graduate student fill the technical role? If you have a preferred technician to meet your needs, please indicate the individual's name, qualifications, and contact information.

E. Student Support (no more than one page)

The M-ASIC anticipates that graduate students will be involved in each ANDRILL Project in a variety of ways that include: (1) technical support for on-ice and off-ice scientific work, (2) conducting ANDRILL-related research as part of a Master's or Doctoral degree program. Undergraduate students may also be involved in ANDRILL research activities but will likely work at their home institutions under the supervision of a senior Science Team Member(s).

Please indicate if you wish to involve a student in your ANDRILL research activities and describe their anticipated role.

Note: U.S. applicants should request funding support for students through the ANDRILL U.S. Science Support Program (AUSSP).

F. Education and Public Outreach (no more than one page)

ANDRILL Science Team Members will likely be asked to engage in public outreach and educational activities at a variety of levels (including interviews with journalists, involving a teacher in your research, and giving presentations on Antarctic Science to the public). Please indicate if you are willing to collaborate with ANDRILL's Education and Public Outreach (EPO) personnel to facilitate ANDRILL's EPO Program.

Please list and describe any scientific EPO activities in which you have previously been involved.

G. Previous Experience (no more than one page)

Please outline any previous experience you have in large geoscience research projects, e.g. geological drilling projects, field excursions etc., including non-Antarctic experience.

H. Biographical sketch (no more than two pages).

Please include a brief biographical sketch outlining your professional preparation (a list of undergraduate and graduate education and postdoctoral training), appointments (a list, in reverse chronological order, of all of your academic/professional appointments beginning with your current appointment), and a list of up to five of your most recent publications related to this research proposal.

Note: U.S. applicants should submit a standard NSF-style biographical sketch, which needs to include the categories outlined above plus synergistic activities and a list of collaborators and affiliates.

I. Statement of Anticipated Research Support

Please indicate whether you have already secured funding to do the research you describe in your proposal. If not, where do you anticipate gaining the funds required to conduct your research?

NOTE: U.S. applicants will submit a budget and budget justification with this proposal to support research for the initial Core Characterization phase. Successful applicants can anticipate receiving funding to conduct the proposed research through the AUSSP.

J. Additional information (no more than one page)

Please include any additional relevant information. For example, an overview of innovative new tools or approaches you may be able to provide, existing and/or anticipated/desired collaboration with other scientists, opportunities to integrate your ANDRILL-related research with other science programs and initiatives, etc.