

Paleoclimatology

FY 2005 Information Sheet

The CCDD paleoclimatology effort is directed at supporting the CCDD goals of producing long time series of key climate variables, analyzing these time series for information on climate trends and variability, and characterizing the natural background signal of the climate system for the purposes of detection and attribution.

For FY 2005, there will be a continuation of the research program managed by CCDD that focuses on high quality reconstructions of the climate history over, approximately, the last 2,000 years (i.e., the late Holocene). Proposals are encouraged that address high resolution, multiproxy reconstructions that blend the paleo and instrumental records in optimal fashion to achieve the most accurate climate history possible. Emphasis will be placed on using currently available measurements at resolutions as fine as seasonal, multiple proxies, and global data sets (i.e., filling in Northern Hemisphere data and supplementing these data with equatorial and Southern Hemisphere data sources). Proposals that involve a field campaign(s) to collect data should be directed to programs other than CCDD, e.g., Earth System History (ESH) at the National Science Foundation (NSF) or other funding sources.

TECHNICAL DETAILS

Proposals will be considered for up to three years in duration, but one and two year proposals are encouraged. Funds for each subsequent year of multi-year proposals will be subject to a review of annual progress reports.