

The Cooperative Institute for Research in Environmental Sciences (CIRES) at the University of Colorado at Boulder has an opening for a professional research assistant in standardization and harmonization of measured variables in paleoclimate proxy records and reconstructions. This position is co-located at the National Centers for Environmental Information, World Data Service for Paleoclimatology (WDS-Paleo), also in Boulder. The successful candidate will work closely with WDS-Paleo staff and the paleoclimatology community to develop and implement a set of standards for documenting variables in several major data categories.

## Duties

- Expand the existing controlled vocabulary to include the paleoceanography and climate reconstructions data types
- Establish advisory panels for each of the data types and consult with these domain matter experts regarding community practices and terminology
- Work with WDS-Paleo staff to ingest the controlled vocabulary into a relational metadata database
- Work with WDS-Paleo staff to develop advanced searching capabilities for variables and possibly a web application for displaying and navigating variable lists
- Create a non-specialist guide to paleoclimate measurements and their general uses in the form of on-line fact sheets for each of the higher-level groupings of related variables

## Requirements

- MS or PhD degree in Geoscience or related field
- Experience working with paleoclimate data; knowledge of either paleocean proxies or climate reconstructions is desired
- Background in library and information science including experience with controlled vocabularies, ontologies, and/or data curation are beneficial, but not required
- Experience with scientific programming, relational databases, and SQL is beneficial, but not required

Funding is available for approximately one year. For more information, please contact Dr. Carrie Morrill ([carrie.morrill@colorado.edu](mailto:carrie.morrill@colorado.edu)).

Apply at: <https://cu.taleo.net/careersection/jobdetail.ftl?job=07131>

--

### Carrie Morrill

Cooperative Institute for Research in Environmental Sciences (CIRES)  
University of Colorado at Boulder, and  
NOAA's National Centers for Environmental Information (NCEI)

Center for Weather and Climate (CWC)  
325 Broadway, Code E/NE33  
Boulder, CO 80305-3328  
[Carrie.Morrill@noaa.gov](mailto:Carrie.Morrill@noaa.gov)  
Phone: [303-497-6467](tel:303-497-6467)