

Title:

Building Community Informed and Driven Data Services at NCAR: Accomplishments and Roadmap

Abstract:

At the National Center for Atmospheric Research (NCAR), in order to meet the diverse existing and emerging data needs from the scientific community, NCAR data services combine technical development with human and organizational services as well as institutional policies. Specifically, NCAR's Data Stewardship Engineering Team (DSET) was created to facilitate cross-organizational participation and communication. The NCAR DSET includes representatives and stakeholders from the NCAR science labs, data management experts, and technical divisions to leverage the skill and knowledge of all three groups. The collaboration among these groups ensures that feedback from key stakeholders, including data providers and users, is built into the data services' design, implementation, and enhancement processes. DSET believes that data services have a better chance to be accepted and used by the target community if the community members are represented and consulted. This presentation discusses how the DSET is using the community informed and driven approach to create its existing metadata, data management, and data search and discovery services as well as to develop its upcoming new repository and institutional data management policy in order to align these services with the community's research and data needs.

Bio:

Sophie Hou is the Data Curation & Stewardship Coordinator at the National Center for Atmospheric Research (NCAR)/University Corporation for Atmospheric Research (UCAR). At NCAR/UCAR, Sophie focuses on providing dedicated assistance and training for questions and issues that scientific researchers might encounter when working with data (including software tools and model codes). Sophie also works with cross-organizational teams to build systems/infrastructure and improving user experience for supporting data activities, including an upcoming general repository at NCAR. Additionally, Sophie collaborates with and participates in both internal and external data curation-centric communities and initiatives to help share experiences and key lessons learned, especially those relating to data management infrastructures and best practices. Sophie has a Master of Science in Library and Information Science program with the specialization in Data Curation from the University of Illinois, Urbana-Champaign, and prior to joining NCAR, Sophie's previous Bachelor and Master of Science degrees and professional work experience were in the field of Electrical Engineering.