

OpenSky repository: development and future directions

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OpenSky Overview

- Institutional repository for UCAR
- Mission: to document and preserve the research, scholarly output, and permanently valuable records of UCAR, NCAR, and UCP
- Contents: thousands of peer-reviewed publications and scientific, educational, and institutional materials

Scholarship and open access

- Scholarly collections include:
 - Refereed and non-refereed published works
 - Conference presentations and posters
 - Full text and metadata/citation only records
- Refereed scholarship collected in context of UCAR open access policy
- Other scholarship collected for citation management purposes

Open Access philosophy and policy

- Open Access (OA) is the principle that research should be freely accessible online, upon publication
- OA encourages the sharing of research for the advancement of science
- OA allows tax payer access to tax-funded research
- UCAR Open Access Policy requires authors of peer-reviewed scholarly works to deposit their works into OpenSky

Open Access and repository development

- Open Access policy passed in 2009
- OpenSky launched in August 2011 in support of OA policy
- Submission form allows authors and support staff to submit metadata and upload full text
- Metadata also imported from Web of Science
- Supports collecting data on NCAR scholarship for the NCAR annual report

Other materials

- Presentations and posters
- Other grey literature:
 - NCAR technical notes
 - NCAR manuscripts
 - Student scholarship
- Archival materials documenting history and legacy of UCAR/NCAR
 - Photographs
 - Oral histories
 - Newsletters

Current OpenSky services

- Metadata cataloging and serving documents
- Generate yearly list of published scholarship in support of NCAR Annual Report
- Generate reports of publications based on lab/divisional affiliation
- Populate divisional [publications websites](#) with citations using OpenSky APIs

Future services

- Goal: monitor and demonstrate value and impact of organization
- Track scholarly output resulting from use of supercomputers
- Link UCAR-managed datasets to publications
- Download counts and use statistics for authors and divisions
- Preservation