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