

# OpenSky: IR for UCAR/NCAR Overview and Future Directions

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# OpenSky Overview

- Institutional repository for UCAR/NCAR
- 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

# 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 asks 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 forms allow authors and support staff to submit metadata and upload full text
- Metadata also collected from Web of Science

# Repository Collection Scope

- Citations for scholarly publications
  - Associated full text articles/chapters wherever possible
- Scholarly presentations
  - posters & talks
- Archival materials
  - newsletters, digitized photos, oral histories, manuscripts, etc.
- NCAR Technical Notes published online through repository

# Partnerships

- Professional societies and publishers allow use of published articles in OpenSky
- AGU, AMS reduced embargo period to 6 months for full text Open Access
- MOU with Springer provides OA at time of publication in Springer journals
- NCAR Directorate promotes collection and reporting of institutional scholarship

# OpenSky Services

- Document and share scholarly citation record
  - Serving full text documents when possible
- Provide bibliography of peer-reviewed NCAR publications by fiscal year for the NCAR annual report
- [Staff Directory](#): Option to populate publications tab with citations from OpenSky
- [Divisional publication record](#): Web services to populate citation lists from OpenSky
- Populate digital collections/exhibits for NCAR Archives

# Future directions

- Goal: integrate use statistics and citation metrics
- Pilot project: clean up AWStats to get accurate download counts
- Download counts, page views, citations and other metrics are all of interest to demonstrate use of repository and uptake of UCAR scholarship



# Future directions

- Goal: link UCAR-managed datasets with publications
- Pilot project: connect NCAR Technical Notes to UCAR-managed datasets
- DOIs assigned to datasets and TNs
- Metadata cross references between associated datasets and reports
- Automated workflows to assign DOIs and update metadata

# Future directions

- Goal: monitor and demonstrate value and impact of organization
- Pilot project: use repository infrastructure to track scholarly output resulting from use of supercomputers
- Expand research information management functionality to include other equipment and facilities

# Future directions

- Goal: change repository infrastructure
- Pilot project: demo use of Islandora software with OpenSky data
- Expand functionality for curating full-text documents over time
- Expand functionality for handling born digital records

# Questions?

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