

Enhancing Data Access of the Research Data Archive Through **Full-Stack Development**

Discoverability: Documented APIs

- Developed RESTful API endpoints for dataset

- Interactive documentation via Swagger & ReDoc

ath(r'datasets/<dsid>/abstract/', views.get_abstract),

r'datasets/<dsid>/temporal/', views.get temporal), math(r'datasets/<dsid>/variables/', views.get_variables), ath(r'datasets/<dsid>/publications/', views.get_publications),

- Auto-generated OpenAPI docs with drf-

and data access metadata

spectacular







Minh Le^{1,2}, Connie Chau^{1,3}, Riley Conroy¹, Harsha Hampapura¹, Nihanth Cherukuru¹ ¹NSF National Center for Atmospheric Research, ²Dickinson College, ³Northwestern University

Background - RDA serves global researchers with diverse - Huge volume of data → Need for intuitive and efficient data access, both programmatic and web-- Focus: Discoverability, Usability, Transparency Transparency: Cache Outage Map - RDA data is now available via the Open Science Data





