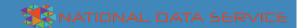
# VIRTUAL INSTITUTE FOR SOCIAL RESEARCH: POWERED BY DISCOVERY ENVIRONMENT, IRODS AND DATAVERSE

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5<sup>TH</sup> NATIONAL DATA SERVICE CONSORTIUM WORKSHOP APRIL 2016

## Virtual Institute for Social Research Dataverse &

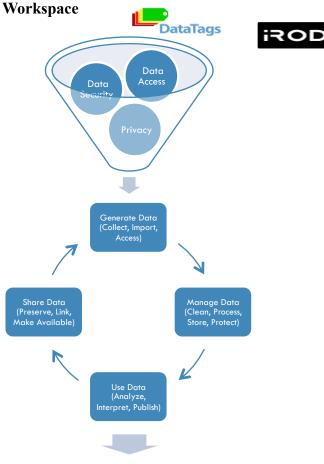
**i**RODS

A platform for services and tools...

...to sustain the data life cycle...

...and enable better science.





More Mileage from **Every Data Set** 

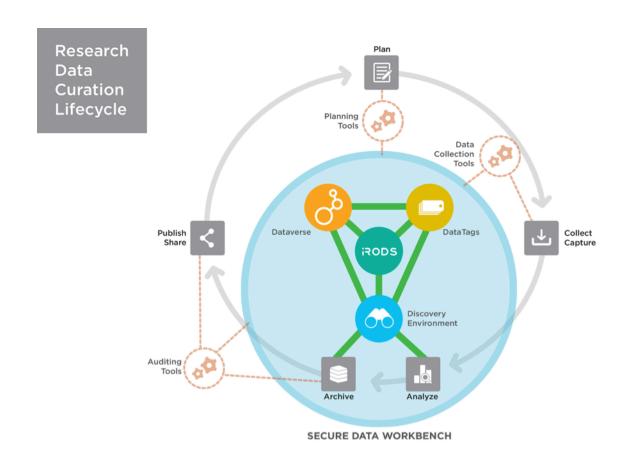
More Transparency, Replicability

Secure Research

More Collaboration

New Insights

## Virtual Institute for Social Research: VISR





#### COUPLING SYSTEMS FOR SOCIAL SCIENTISTS

- CyVerse Discovery Environment (DE)
- iRODS
- Dataverse





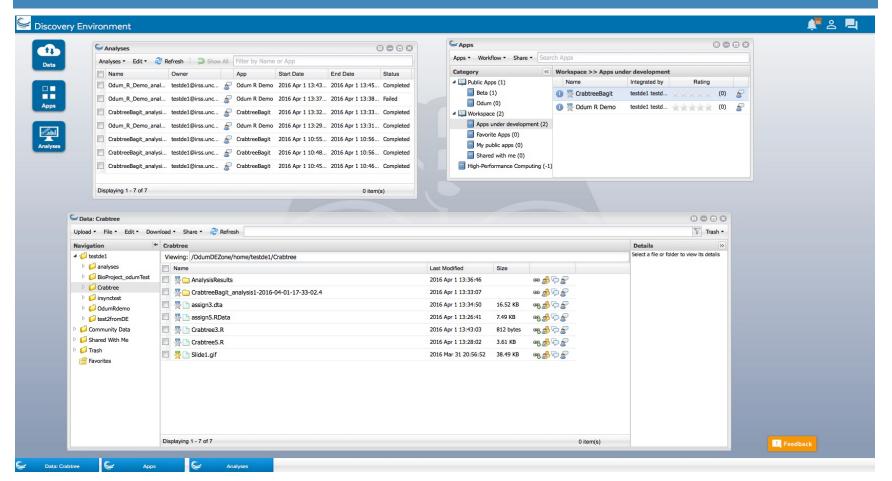




A Web Application for Publishing, Citing, Analyzing and Preserving Research Data



#### VISR DE IN ALPHA PHASE TESTING





### DATA MANAGEMENT, ANALYSIS, AND SHARING

- Expandable with DOCKER tools
- Create custom workflows and applications
- Upload, share and manage data
- Share and exchange custom workflows
- Scheduling via CONDOR
- Powered by iRODS data management
- Scalable analysis with simple to use interface
- Data accessible with any iRODS interface
- Ability to add and track custom metadata





#### **CURRENT ODUM DEMONSTRATIONS**

✓ Apps

Category

■ Public Apps (1)

Apps ▼ Workflow ▼ Share ▼

Search Apps

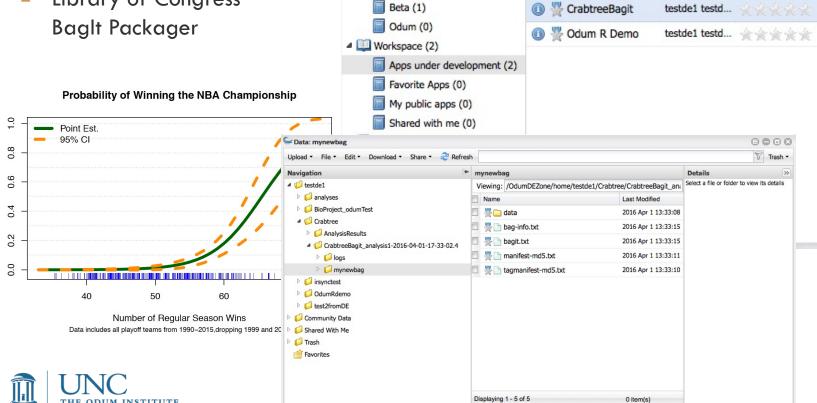
Name

Workspace >> Apps under development

Integrated by

- R Statistical Analysis
- Library of Congress

Predicted Probability



**□ □ □ ⊗** 

Rating

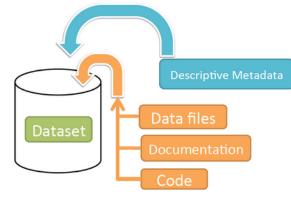
#### HIGH PRIORITY NEXT STEPS

- Publish to Dataverse
- **InCommon Authentication**
- between DE's

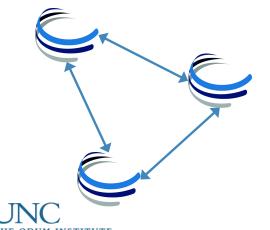
**Federation** 



Schematic Diagram of a Dataset in Dataverse 4.0



Container for your data, documentation, and code.





### ACKNOWLEDGEMENTS AND THANKS TO MANY

- RENCI
- CyVerse
- DFC
- iRODS Consortium
- Don Sizemore
- Mike Conway
- Lisa Stillwell
- Reagan Moore
- Nirav Merchant
- Dennis Roberts













#### LET'S START A NEW PILOT!

- Share technology
- Combine tools
- Exchange knowledge
- Expand to new disciplines
- Promote research transparency
- Promote quality research data management
- Promote auditing and assessment of data repositories



#### THANKS!

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