

# SciServer: Collaborative Tools for Data-Driven Engineering and Science

Activity Logs

You logged into the Dashboard

24 Sep 2018 02:08:42 pm

or cross-matching

astronomical

source catalogs.

NSF AWARD No.: 1261715



SciServer hosts datasets for Research Science Groups

# Users register and log in

Dashboard &

Collaboration

You have 19 Owned User

SciServer Apps

the results online.

and share them

## What is SciServer?

External API Access

SkyServer

Marvin

**PARADIM** 

**Turbulence** 

**API** 

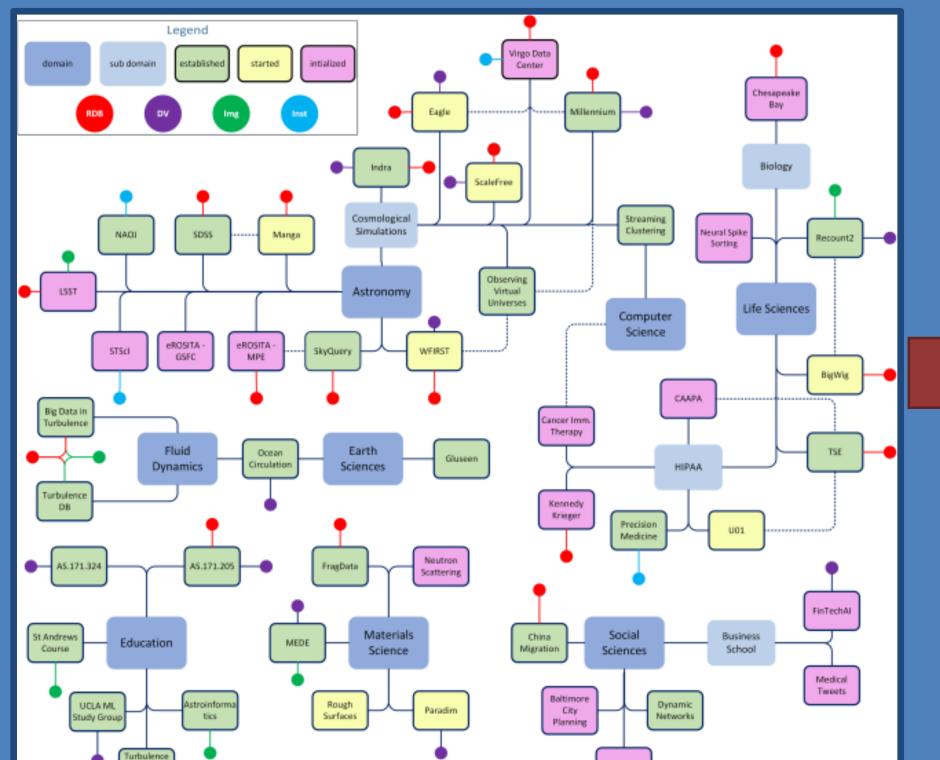
API

SkyQuery

**GLUSEEN** 

MEDE

Millennium



SciServer Dashboard

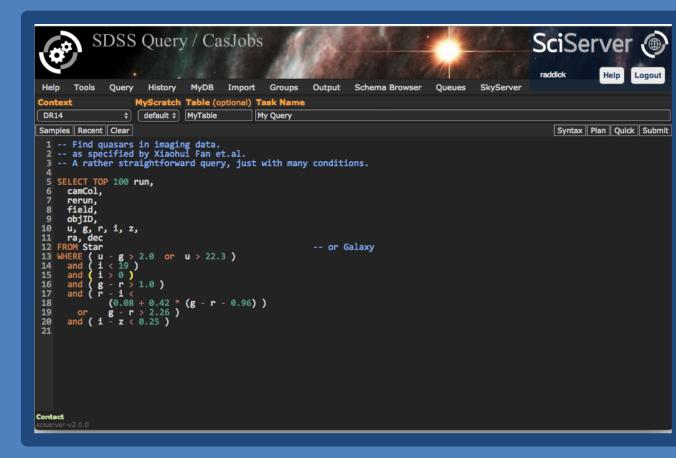
Compute Jobs

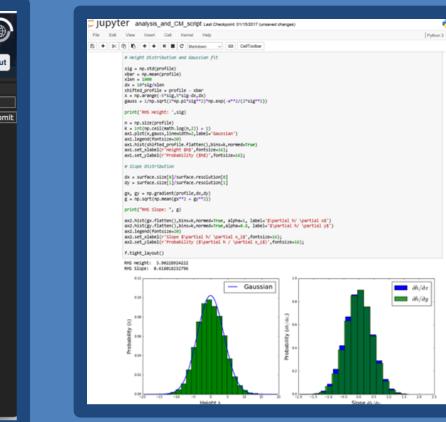
**USERS** 

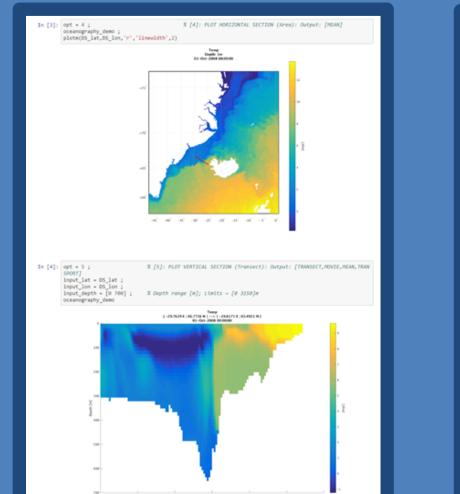
A system for researchers across multiple domains to host and share datasets, featuring query and analysis tools for collaborative research.

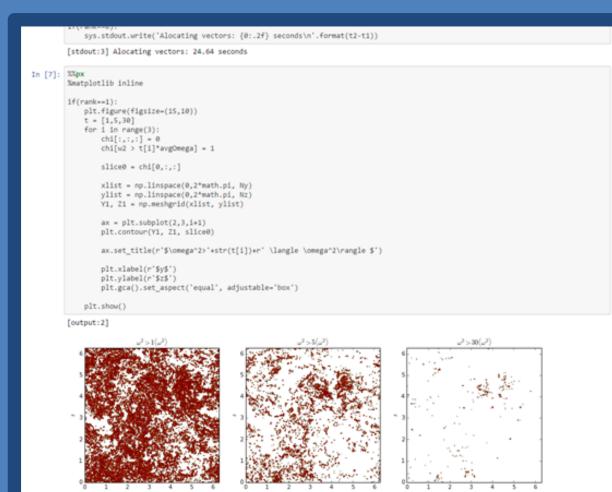
# **SCISERVER**

Query, Compute, Analysis









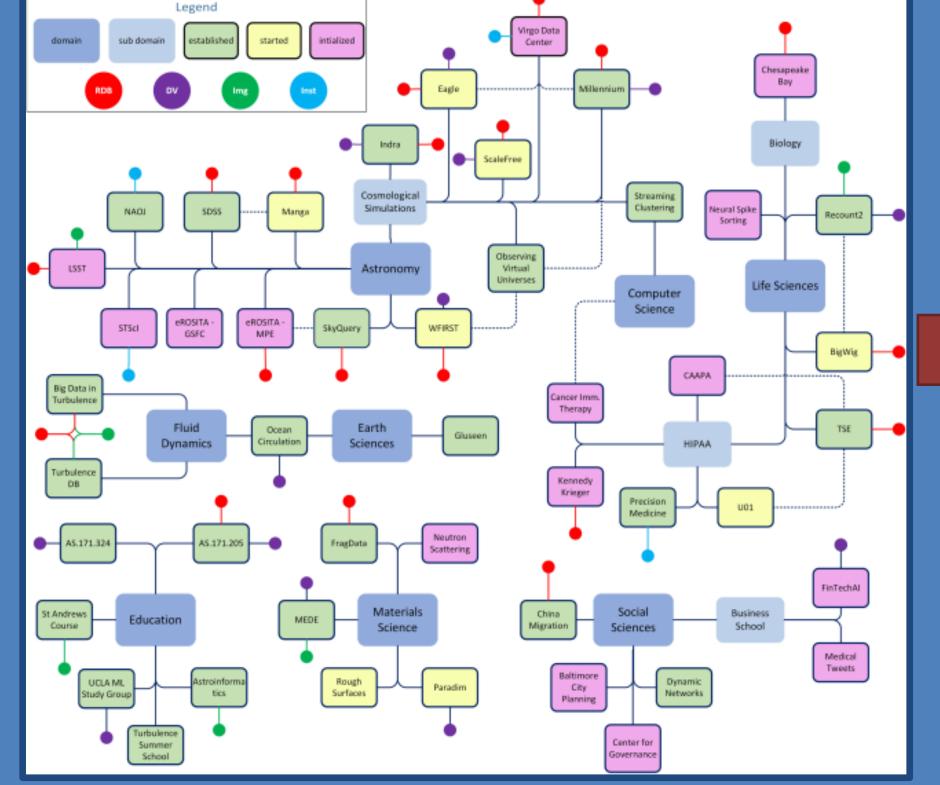
# 8 Educational Support

# COURSEWARE

Create student groups

- Manage assignments
- Give feedback to individual students

### DATA PROVIDERS



#### **Astronomy**

Sloan Digital Sky Survey (SDSS) Millennium Simulations (cosmology)

#### Fluid mechanics

JHU Turbulence DBs (direct numerical simulation)

#### Genomics

Ger

Soi

Millen

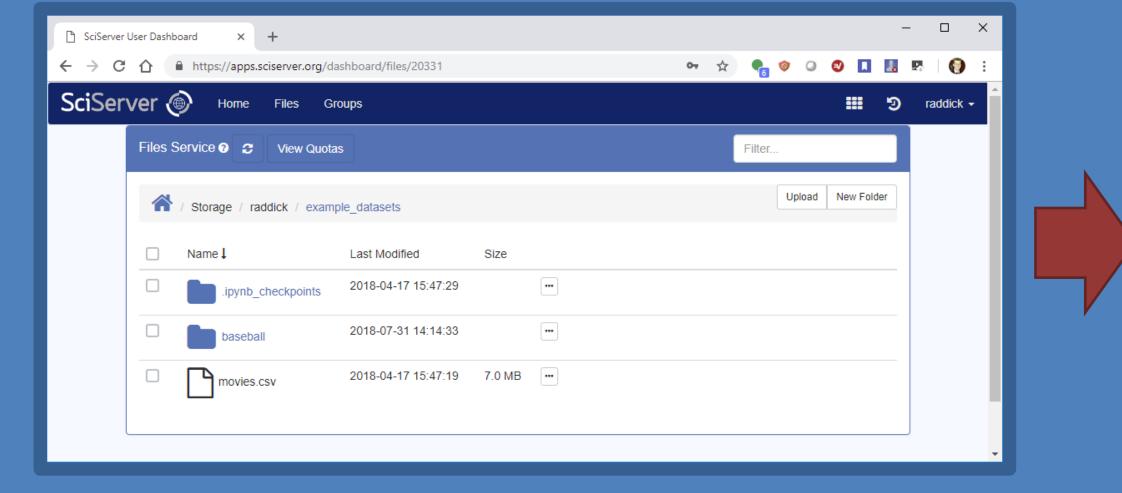
- Recount (RNA sequencing)
- JHU Bloomberg / UKBiobank

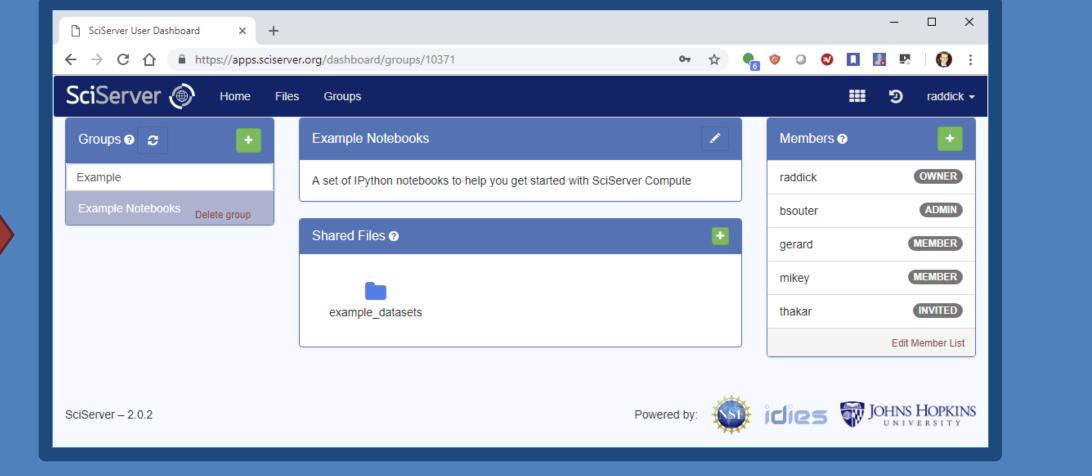
#### **Materials Science**

- JHU MEDE
- JHU Paradim



# Manage Your Data





Share Your Data

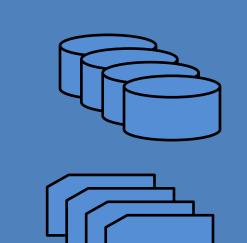
### How to Get Started

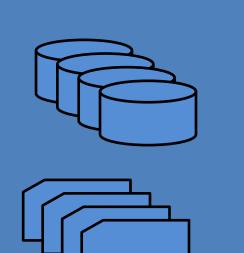
- User Account: Register an account at https://apps.sciserver.org
- **Data Provider: Contact** helpdesk@sciserver.org
- Tell us your Use Cases for team collaboration
- Provide feedback on your experiences
- Let us help you share data
- **Introduce SciServer to other users**

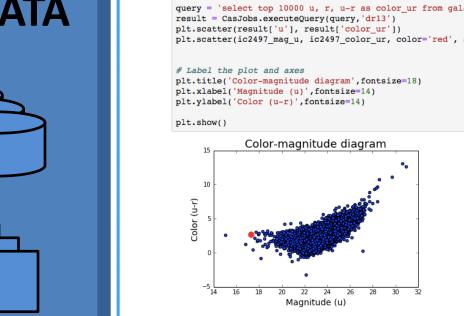


### DATA **HOSTED DATASETS** YOUR DATA Mat s Turb

SDSS











# **EXAMPLES / DOCS**

PI: Alex Szalay

1.1 Provide

and Register

1.2 SciServer

**Hosts the Data** 

1.3 Setup

1.4 Data

Use

**Available for** 

**Controls for** 

Access

Team

the Data

