

# The New SciServer: Collaborative Tools for Data-Driven Engineering and Science JOHNS HOPKINS



### What is SciServer?

SciServer is a system for Science Researchers across multiple domains to host and share their datasets, and provide query and analysis tools for collaborative research.

### History and Purpose

- Started with the SDSS SkyServer
- content
- Idea: bring the analysis to the
- Interactive access at the core

#### How to Get Involved

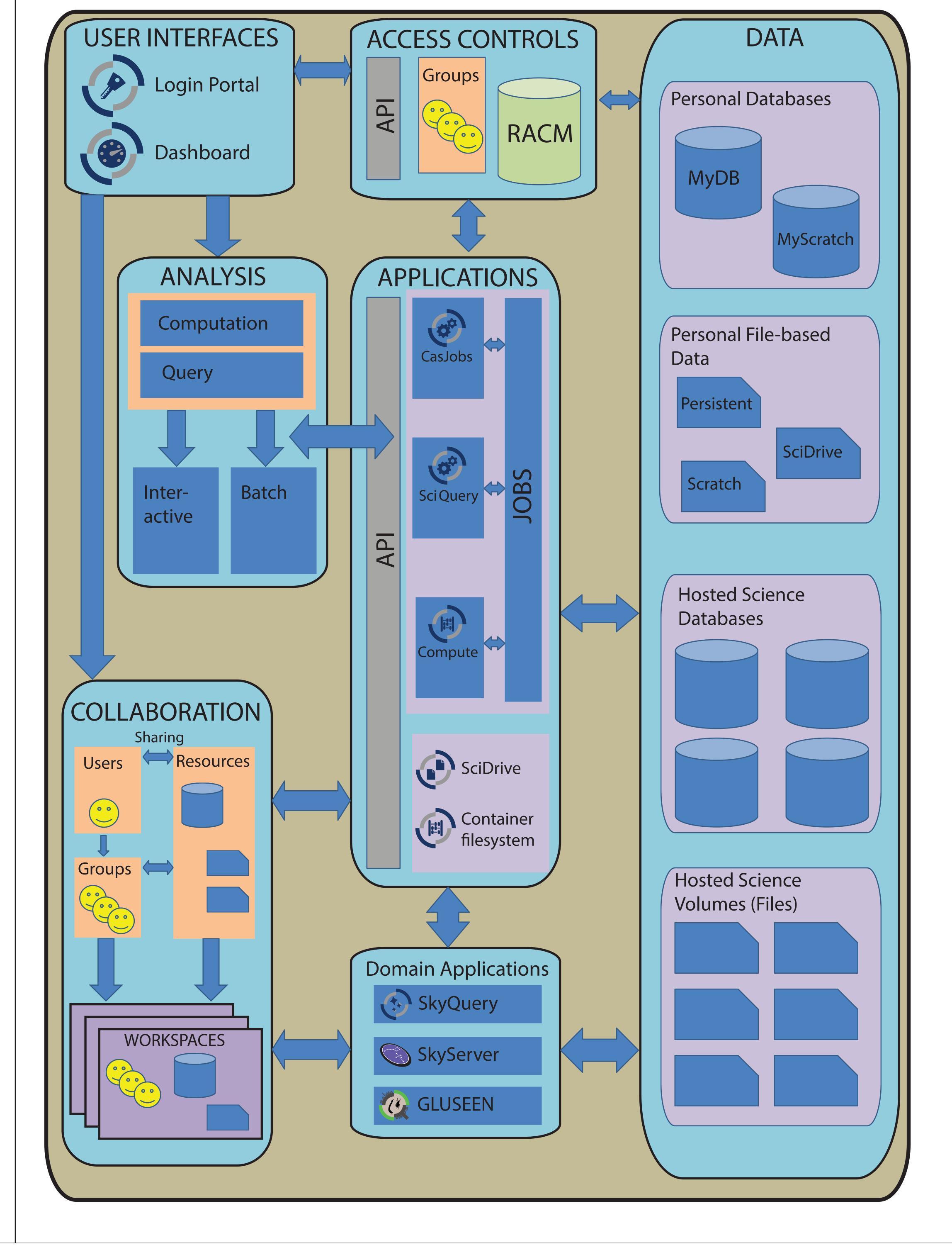
- Use our toolkit (www.sciserver.
- Volunteer to be an Early Adopter by emailing sciserver-help@jhu.edu
- Find bugs in our alpha system
- Suggest new features
- Let us help you share your data
- Introduce us to other teams with data to share

### Team

- PI Alex Szalay
- PM Mike Rippin
- Team Leads Ani Thakar, Gerard Lemson, Jordan Raddick, Bonnie Souter
- Technical: Dmitry Medvedev, Manu Popp, Jai Won Kim, Sue Werner, Victor Paul, Jan Vandenberg, Lance Joseph, Alainna White, Laszlo Dobos, Camy Chhetri, Joseph Booker

## System and Features

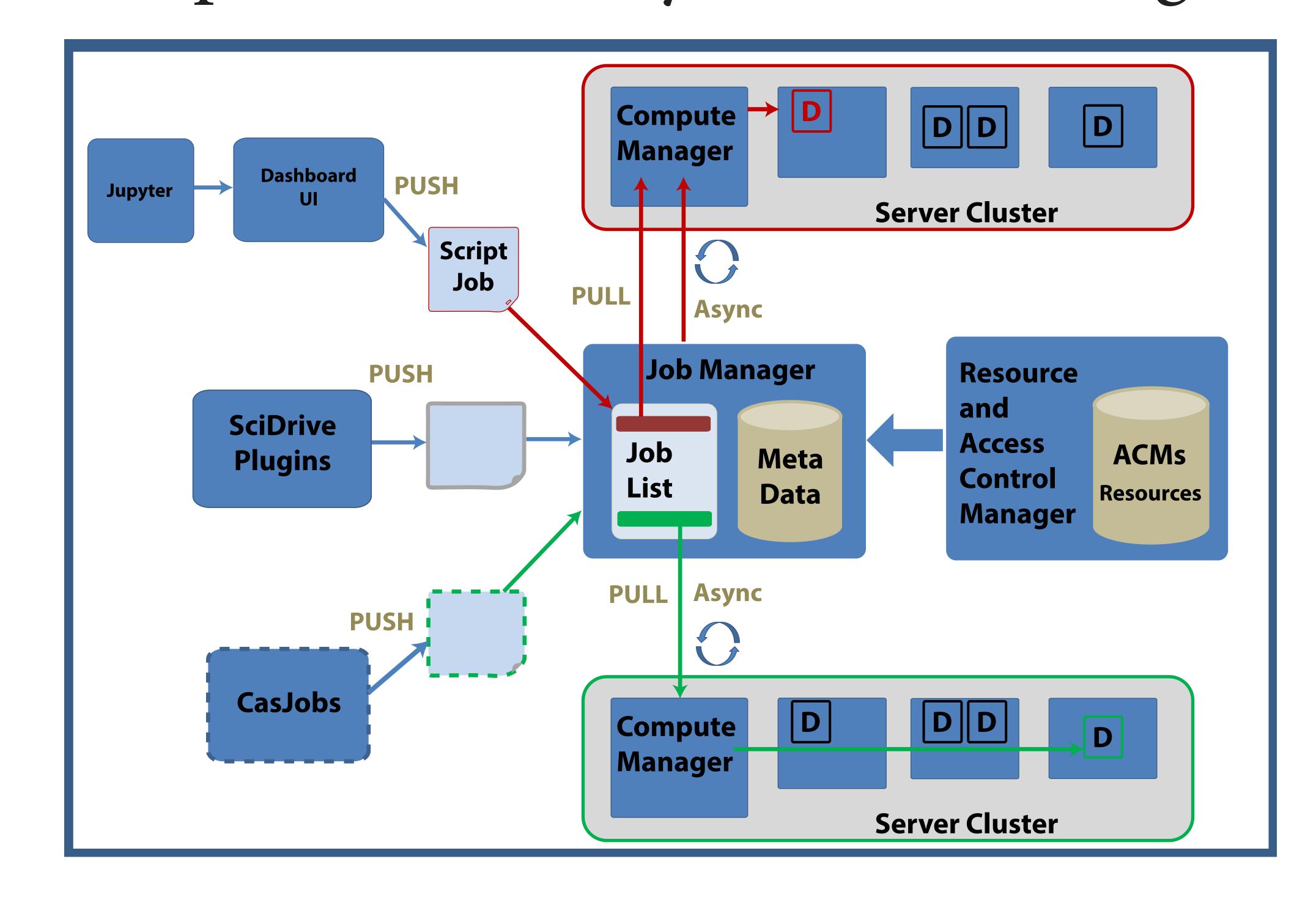
- Science Data Hosting
  Collaborate and Share (Files and Databases) • Resource and access
- Query Services
- Data Integration
- Compute Analysis Interactive and batch job submission
- controls
- Personal Storage (Files and Database)
- Integrate with APIs
- Single Sign-On



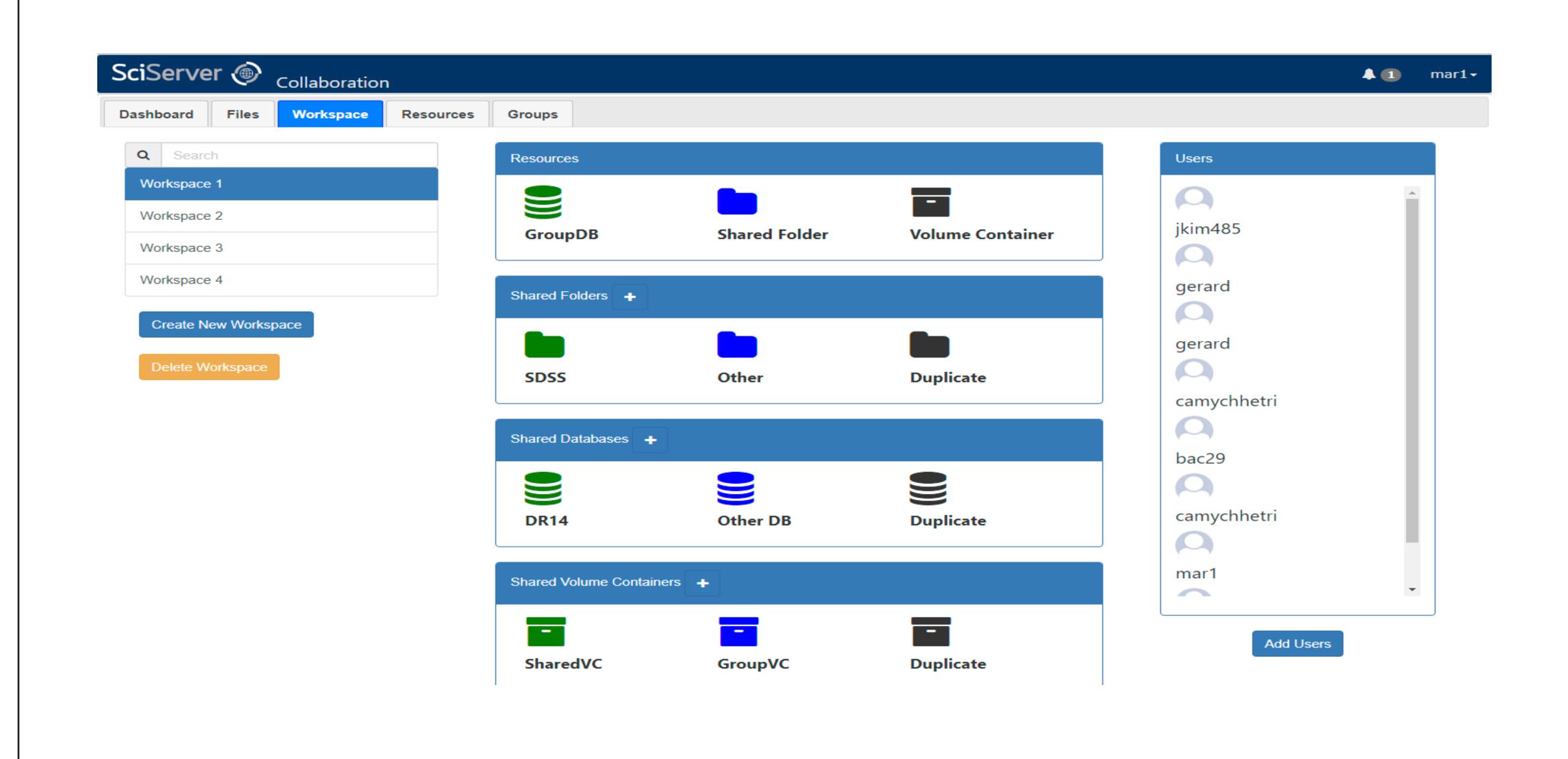
# Technologies



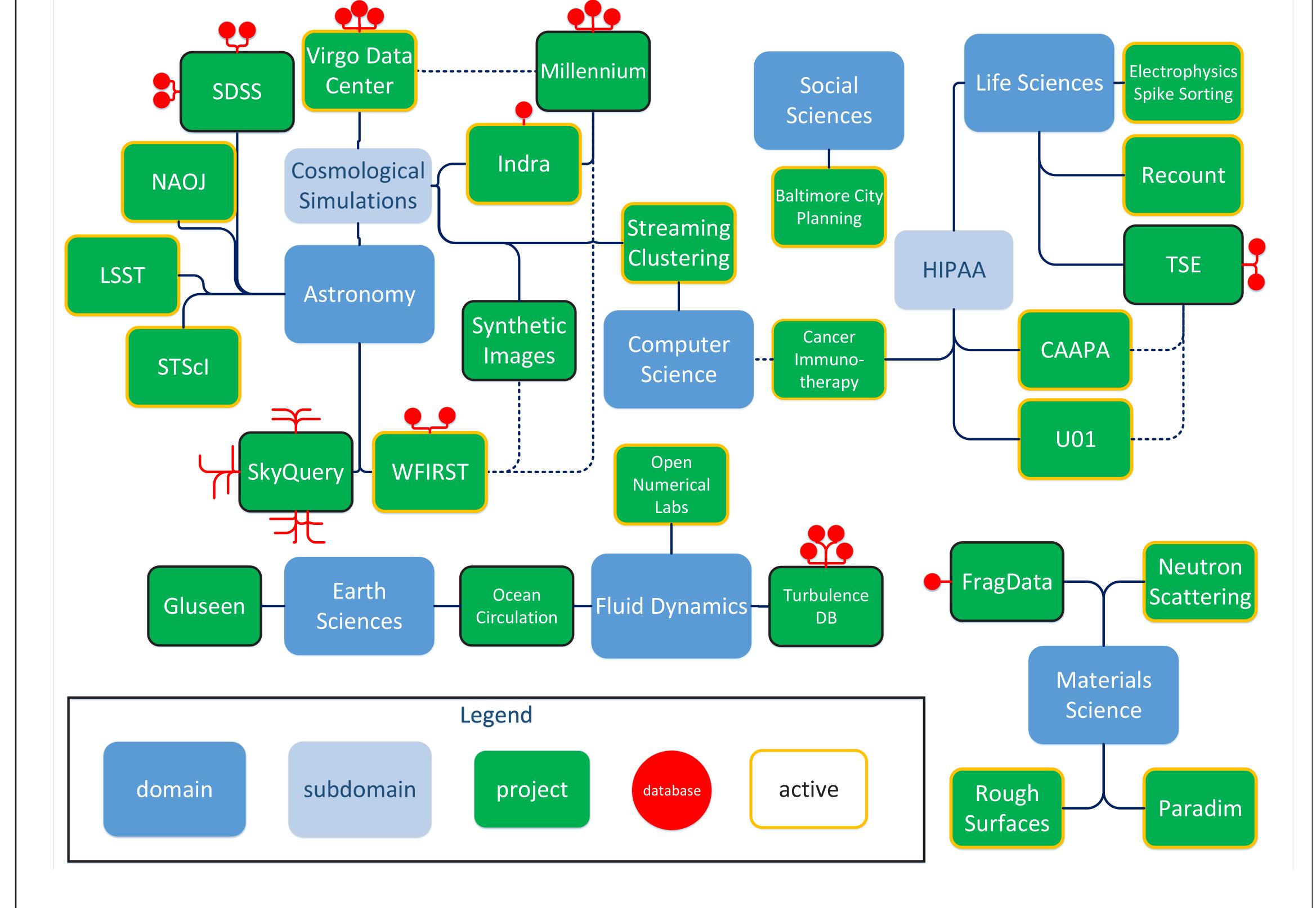
# Compute and Query Job Scheduling



# Collaborative Workspaces

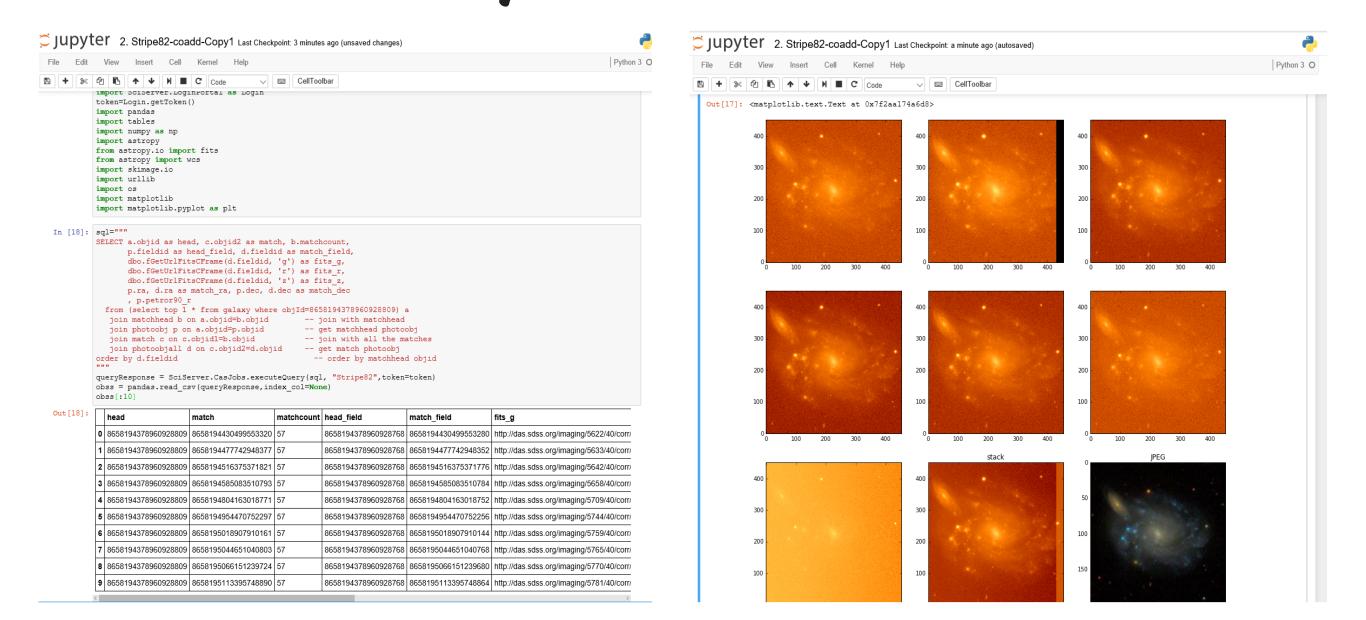


### Science Collaborations

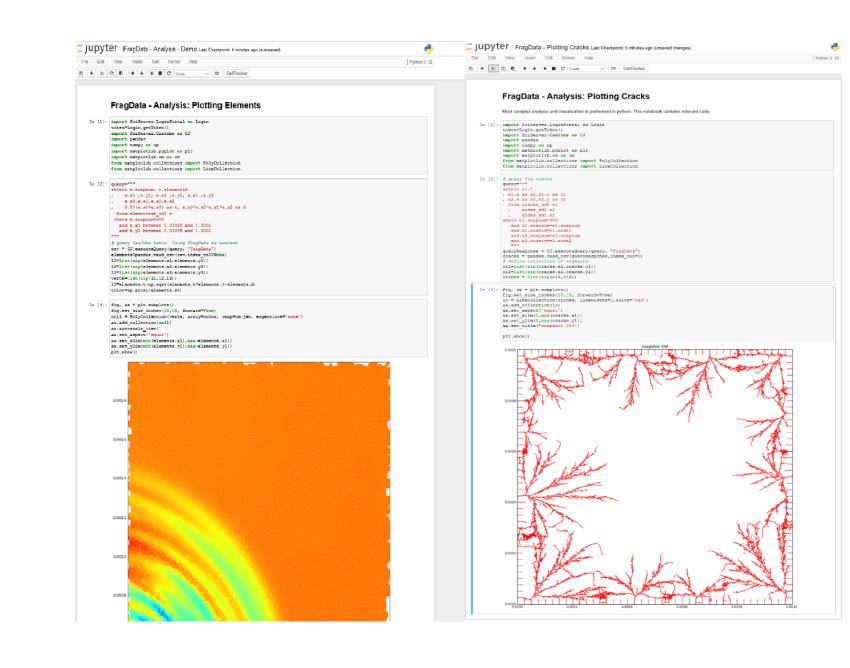


# Science Applications

#### Astronomy



#### Materials Science



#### Turbulence

