The **SciServer** vision addresses some of the most important challenges of modern science.

## Petabyte-Scale Data Management

We offer scalable data storage for scientific users, tools for searching big datasets, and workspaces for users to store and analyze their results.

## **Open Numerical Laboratories**

We offer the ability to analyze data on our servers, keeping the computation close to the data to minimize data movement.

#### Science for All

We provide access to query, analysis, and storage resources for researchers and educators worldwide, and support the "long tail of science": the preponderance of small datasets collected by researchers worldwide.

## SciServer is operated by

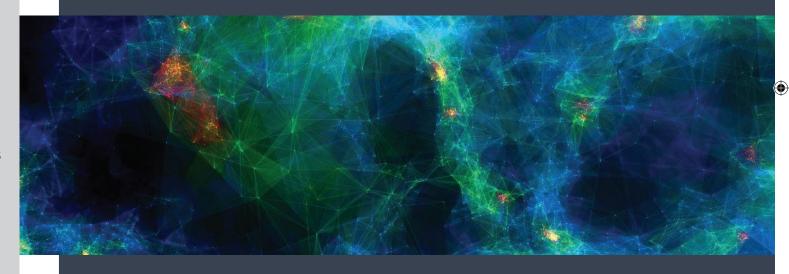
The Institute for Data Intensive Engineering and Science
The Johns Hopkins University
Baltimore, MD 21218

## SciServer is funded by

The National Science Foundation through its Data Infrastructure Building Blocks (DIBBs) Program, Award ACI-1261715.

# SciServer (\*\*)

A Collaborative Research Environment for Large-Scale Data-Driven Science





Scan the QR code to join our email list.

www.sciserver.org





**SciServer** is a revolutionary new approach to doing science by bringing the analysis to the data. **SciServer** consists of integrated tools that work together to create a full-featured system.

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# SciServer (\*\*)



### CasJobs

A query management and job execution tool for large scientific datasets including the Sloan Digital Sky Survey (SDSS) catalog data.



# Compute

Featuring Jupyter Notebooks with Python 2, Python 3, R, and MATLAB kernels. Now with asynchronous job execution.



# SkyServer

The public interface to SDSS catalog data. SciServer users can save SkyServer results and queries.



# Dashboard

Manage collaborative groups; manage and share resources, files, and databases.



# SciScript

An integral part of SciServer Compute, SciScript libraries contain functions to access SciServer APIs, and more.



## SciDrive

A Dropbox-like interface for scientific data files that integrates with CasJobs and Compute.



# SkyQuery

Provides distributed query capability to support "statistical cross-match" queries across multiple astronomy databases.

Collaborative Data-Driven Science