

## 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

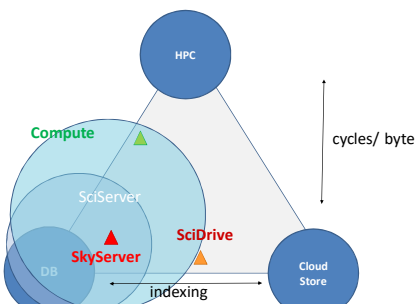
## History & Motivation

- Started with the SDSS SkyServer
- **Goal:** instant access to rich content
- **Idea:** bring the analysis to the data
- Interactive access at the core

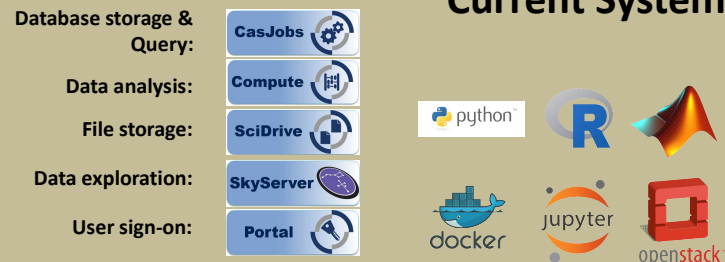
## Where are we Going

- Interactive science on petascale data
- Create scalable open numerical laboratories
- Large footprint across many disciplines
- Use commonly shared building blocks
- Major national and international impact

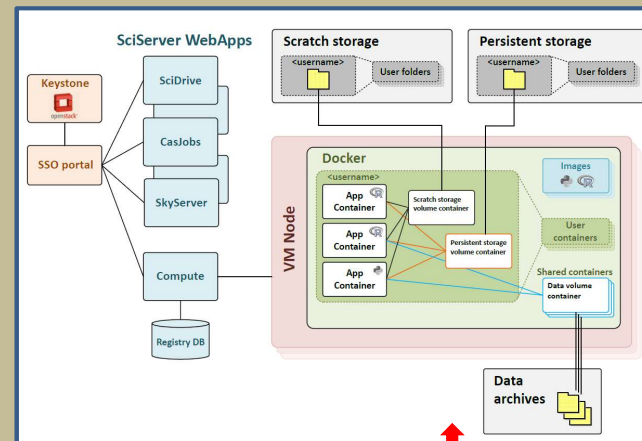
## System Balance



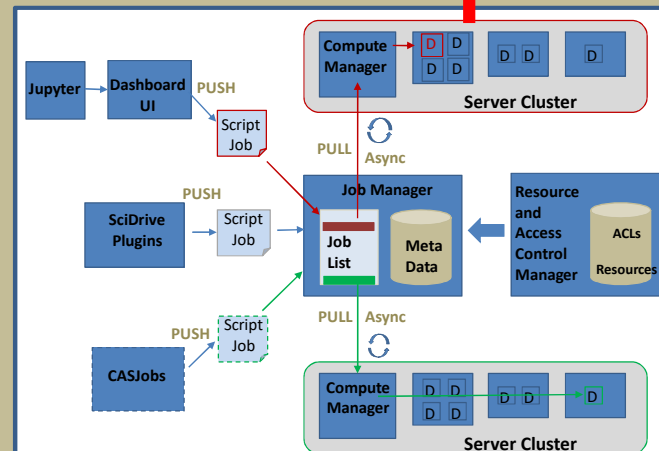
## Technology:



## Compute

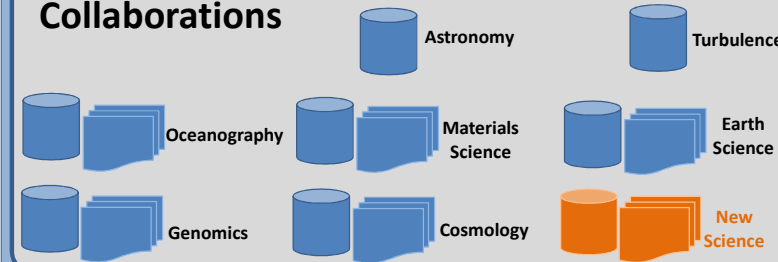


## Compute Job Scheduling



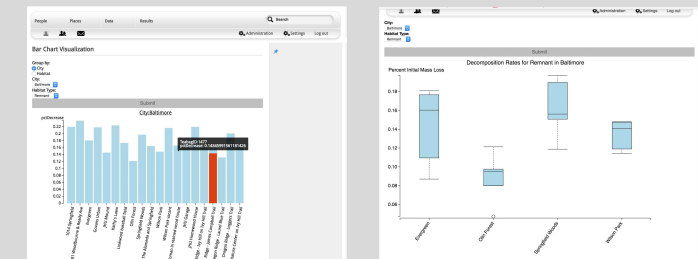
## Science:

### Collaborations

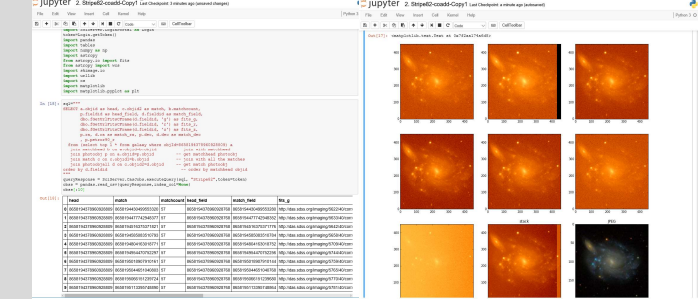


### Applications

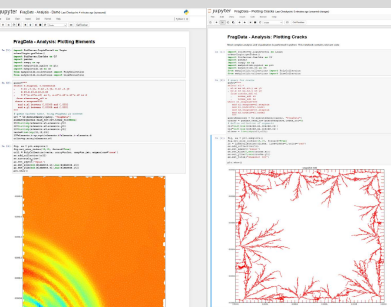
#### Earth Science



#### Astronomy



#### Materials Science



#### Turbulence

