

# EGI-OSG Collaboration Update

EGI Conference  
11-May 2017



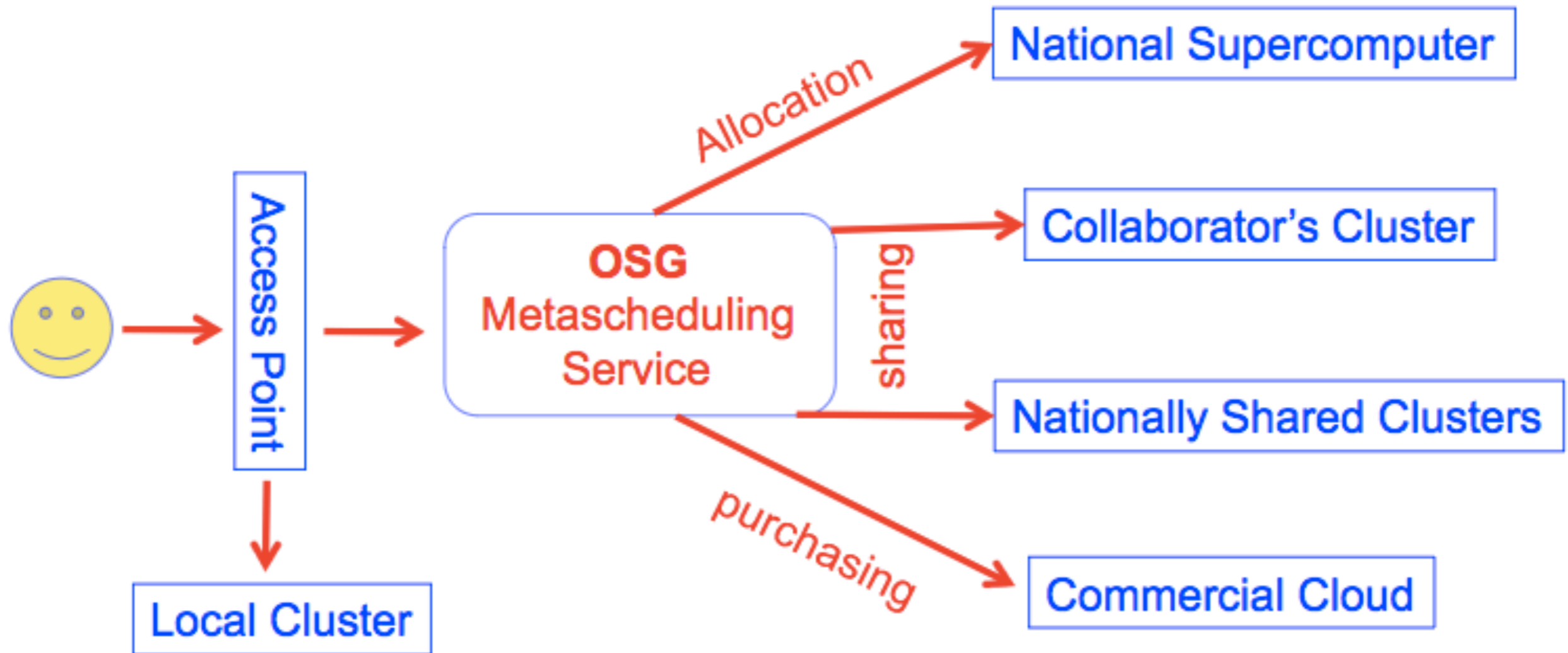
**Open Science Grid**



**INDIANA UNIVERSITY**  
PERVASIVE TECHNOLOGY INSTITUTE

- Open Shared International Community
- Focus on researcher needs in any size research community
- Own no computing resources, but support resource providers of all sizes (broker ~160k cores)
- Each collaborator determines, based on their mission, what parts of OSG to implement and which projects to work with
- Long term interoperability with EGI/WLCG/XSEDE

# Transparent Computing across different resource types



**OSG integrates computing across different resource types and business models.**

### In the last 24 Hours

335,000	Jobs
4,130,000	CPU Hours
9,356,000	Transfers
782	TB Transfers

### In the last 30 Days

10,422,000	Jobs
126,118,000	CPU Hours
176,488,000	Transfers
12,329	TB Transfers

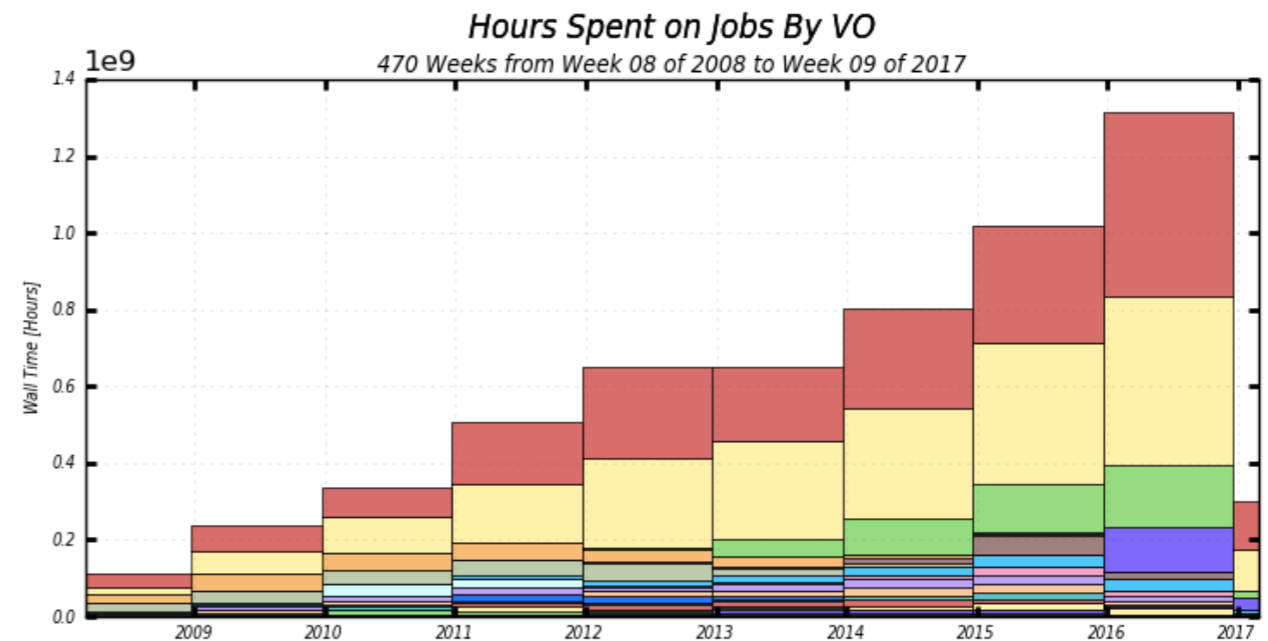
### In the last 12 Months

132,674,000	Jobs
1,424,293,000	CPU Hours
1,827,814,000	Transfers
159,000	TB Transfers

OSG delivered across 132 sites

- The OSG was created in 2004 as a collaboration between:
  - Science Collaborations
  - Technology Providers
  - Resource Providers
- with the goal to “*design, deploy, and operate a shared distributed infrastructure and services in support of US science*”.

(excerpt from OSG Management Plan)



# Ongoing EGI-OSG Projects

- Interoperable services.
  - Accounting - APEL-GRACC
  - Ticketing - GGUS-OSGFP
  - Information Systems - GOCDB-OIM
- Projects
  - Repository Mirroring - EBI-XSEDE
  - ELIXIR Platform on IU-Jetstream
  - MoBrain - Dirac submission to OSG
- Education
  - CODATA-RDA Summer School for Research Data Science for LMICs

# What other opportunities exist for EGI-OSG collaboration?

- Services? Where else would interoperation be beneficial?
- Projects? MoBrain and ELIXIR, where else? (SKA, LSST, PanCancer, ???)
- Outreach and Education? What other events could benefit from OSG and EGI participation?
- Growing the worldwide HPC Community?