



**Discover**

**Compute**

**Publish**

**Collaborate**



Portals, User Interfaces, Tools

VOPlot

SkyQuery

Mirage

conVOT

DIS

Aladin

Topcat

OASIS

Registry Services

Data Services

Computing Services

*HTTP Services  
stateless, registered*

*SOAP Services  
& self-describing*

*Grid Services  
& persistent, authenticated*

Existing Data Centers

My Space (Storage Services)

Databases, Persistency, Replication

Grid Middleware  
SRB, Globus, OGSA,  
SOAP, GridFTP

Disks, Tapes, CPUs, Fiber