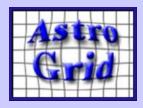
The AstroGrid Desktop Suite

Release 2008



- what it is
- what you can do
- short demo (wireless permitting...)



AstroGrid History

- 2002 Phase A study
 - NAM 2002: "vision" talk: six years to VO?
- 2003-4 Phase B development
- 2005-7 Phase C/D construction
 - prototype system releases
- 2008-9 Operations
 - Full Release 2008.1

Whats being released

- AstroGrid Desktop Suite
 - VODesktop 1.0; Topcat 3.2; Astrogrid Python 1.01
- Links to other VO tools
 - Aladin; SPLAT-VO; VOSpec
- Working Services
 - Registry; VOSpace; Community
- Worldwide Data Services
 - 12,000 resources

where to get it

- www.astrogrid.org
 - download and run
 - platform independent Java
 - documentation online and pdf
 - helpdesk



AstroGrid: Home

Welcome to AstroGrid



AstroGrid: Home

AstroGrid is the doorway to the Virtual Observatory (VO). We provide a suite of desktop applications to enable astronomers to explore and bookmark resources from around the world, find data, store and share files in VOSpace, query databases, plot and manipulate tables, cross-match catalogues, and build and run scripts to automate sequences of tasks. Tools from other Euro-VO projects inter-operate with AstroGrid software, so you can also view and analyse images and spectra located in the VO.

These web pages hold our software for downloading, as well as links to other people's software. They also provide the help documentation, and other support material such as FAQs and the Helpdesk ticket system.

Our new software (V2008.1) is released on April 1st 2008. Previous releases will still be available for some time: see previous releases.



Read a little about the Virtual Observatory
Read a little about the AstroGrid Desktop suite.
Go to the Install area and download the software.
Have a look at the documentation in the Help area.
Start trying it out!

Acknowledging AstroGrid. If you make use of the AstroGrid system or tools, we would be grateful if you could acknowledge this use in any resulting publications. You could use these words: This research has made use of data obtained using, or software provided by, the UK's AstroGrid Virtual Observatory Project, which is funded by the Science & Technology Facilities Council and through the EU's Framework 6 programme "Use of any data discovered or accessed through AstroGrid should of course be mentioned as noted by the data providers.

-	VO Desktop jar file	Version 2008.1.beta3 19.5MB	This is the core application, and contains several tools : VOExplorer, Astroscope/Helioscope, File Explorer, Task Runner, and Query Builder. It also loads the necessary background software – Astro Runtime and PLASTIC. Read Release Notes	S
-	TOPCAT jar file	Version 3.2 14.5MB	With TOPCAT you can manipulate tables and make plots; crossmatch catalogues; and many more related tasks. ➡ Read Release Notes	
—	AstroGrid Python egg file	Version 1.0.1 0.6MB	With AstroGrid Python you can call VO services inside your own scripts. Requires Astro Runtime to be running, which comes with VO Desktop.	

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what can you do with it?

Search registry for resources

• err... what's a resource?

whats a resource?

the key
VO concept ...
... yellow pages

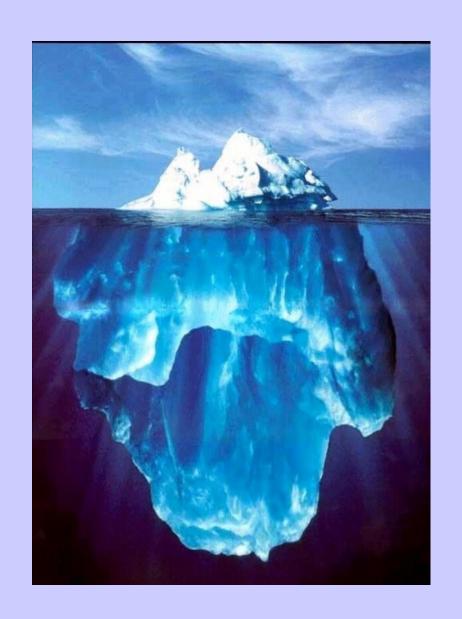
- A *Resource* could be any of :
 - A set of information pages
 - A library of images
 - Tables from papers
 - Queryable catalogue database
 - Invokeable application
- Publish it in a *Registry*
- Advertise its *Capability*
 - "I'm an application and these are my input parameters"
- Then applications can use it

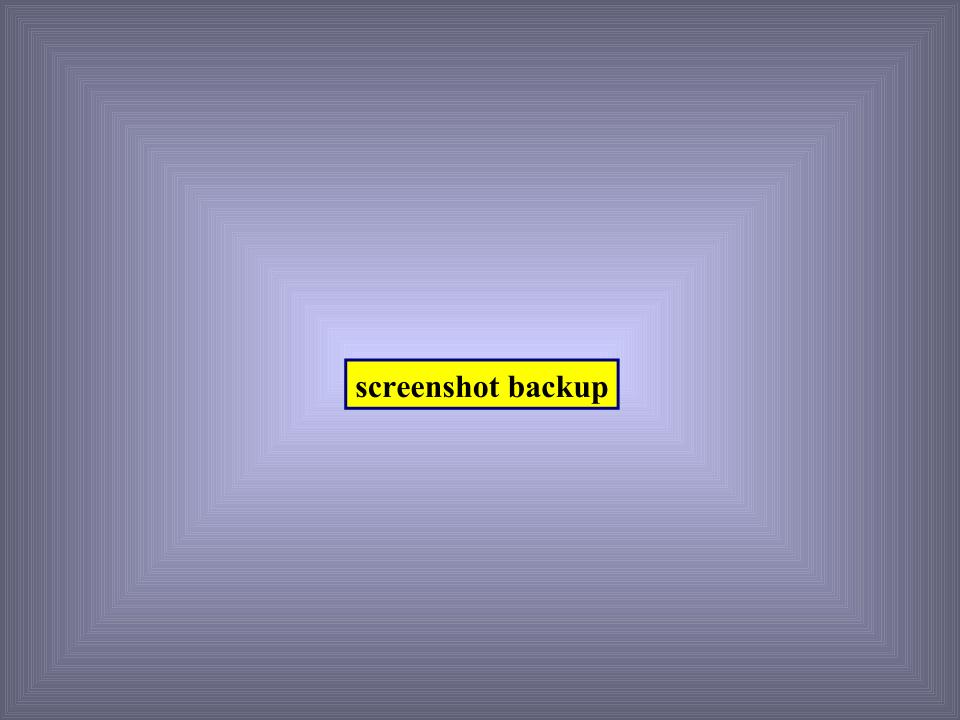
what can you do with it?

- Search registry for resources
- Bookmark and organise resources
- Search resources for data
- Load data straight into applications
- Analyse tables, images, spectra
- Cross match catalogues
- Save and load from VOSpace
- Run remote applications
- Automate tasks with scripting

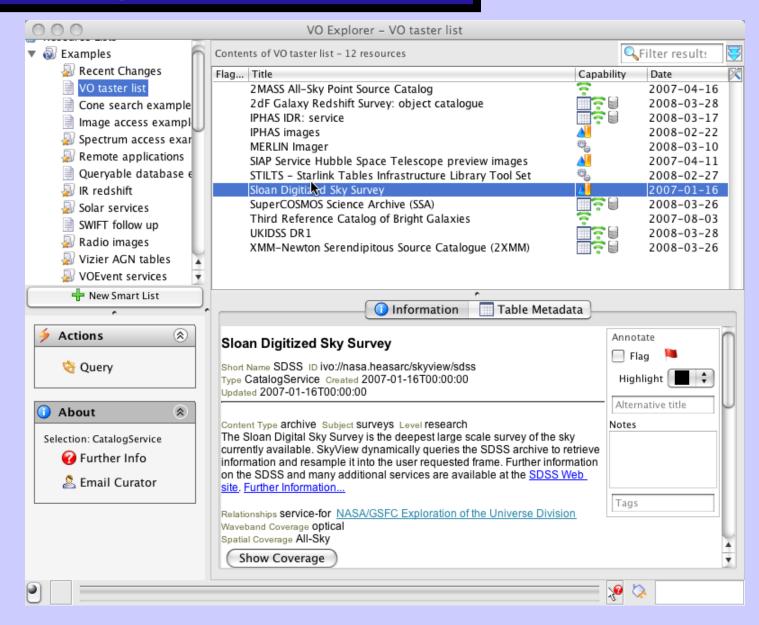
The iceberg

- Above the water : user applications
- Below the water : AstroGrid services
- The water : world data services

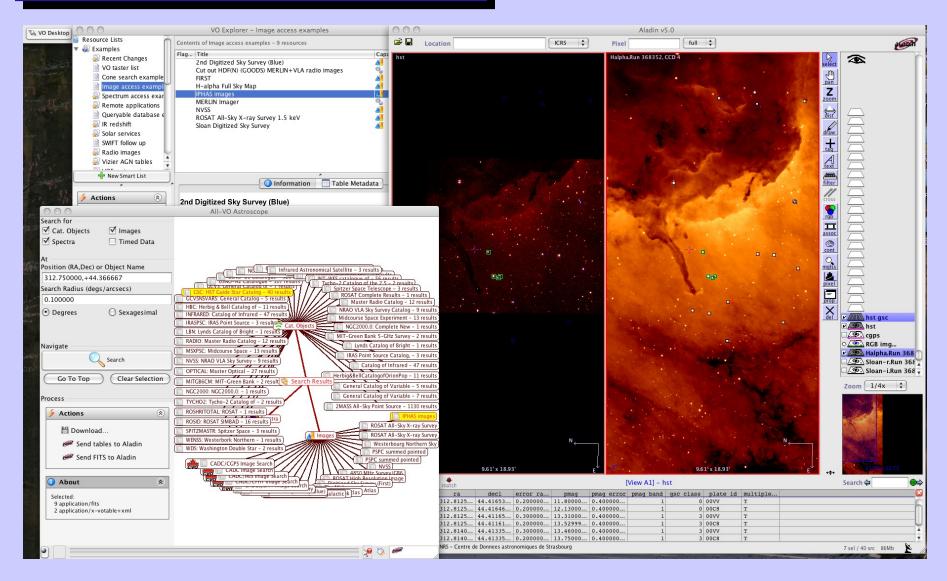




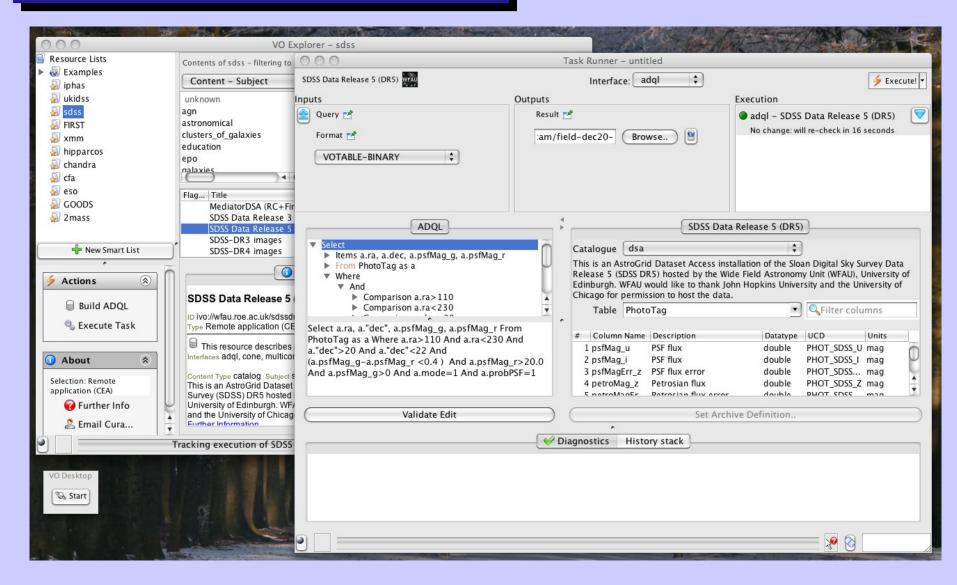
searching for resources



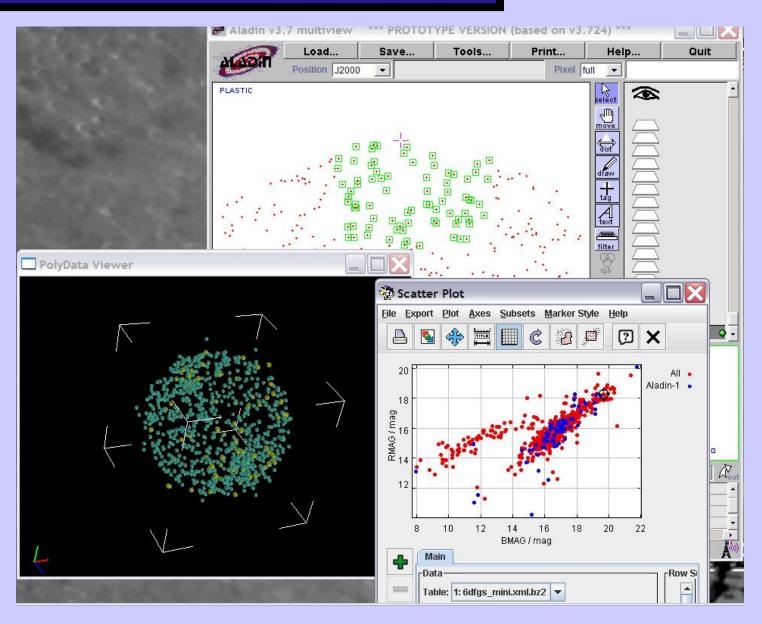
grabbing data



database queries



tool interoperability



scripting

