

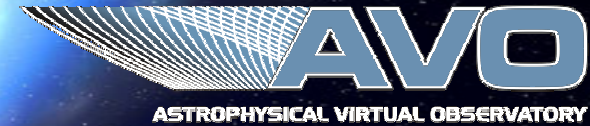


Science Working Group Meeting No.5

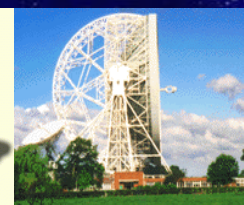
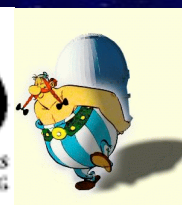
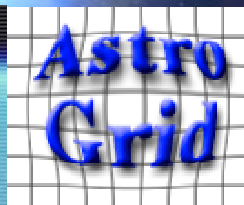
WELCOME

Strasbourg June 2004

Congratulations!



First Science





IVOA Today



- International VO Alliance
 - 14 projects, ~\$25 million in R&D



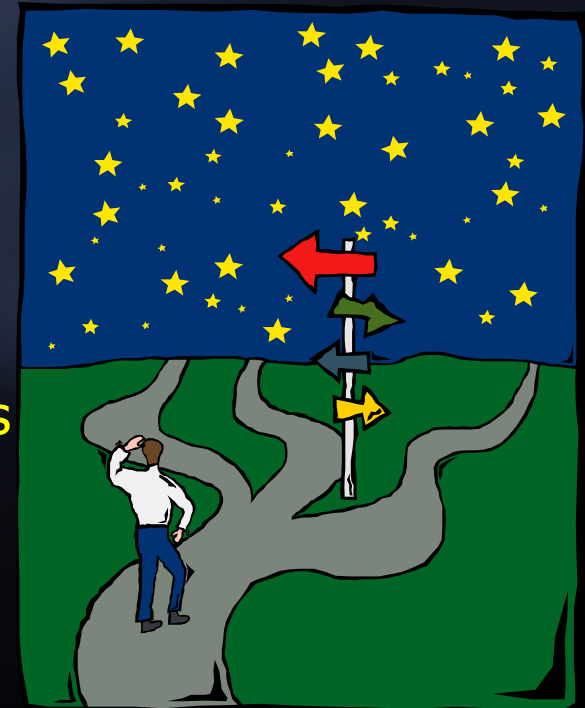
IVOA “business plan”

- Achieve the IVOA mission by:
 - Defining new standards and role them in a timely and effective manner
 - Forging links to governing/policy/funding/project bodies
 - IAU, NSF, EU, ESO, ESA, NASA, GGF, OECD, ALMA, SKA, LSST, OWL,,,
 - *Access to facilities and their data services is as important as the facilities themselves*
 - Conducting regular, coordinated demonstrations to show progress and stay on-track
 - Making a plan to build the essential infrastructure and stick to it - the roadmap



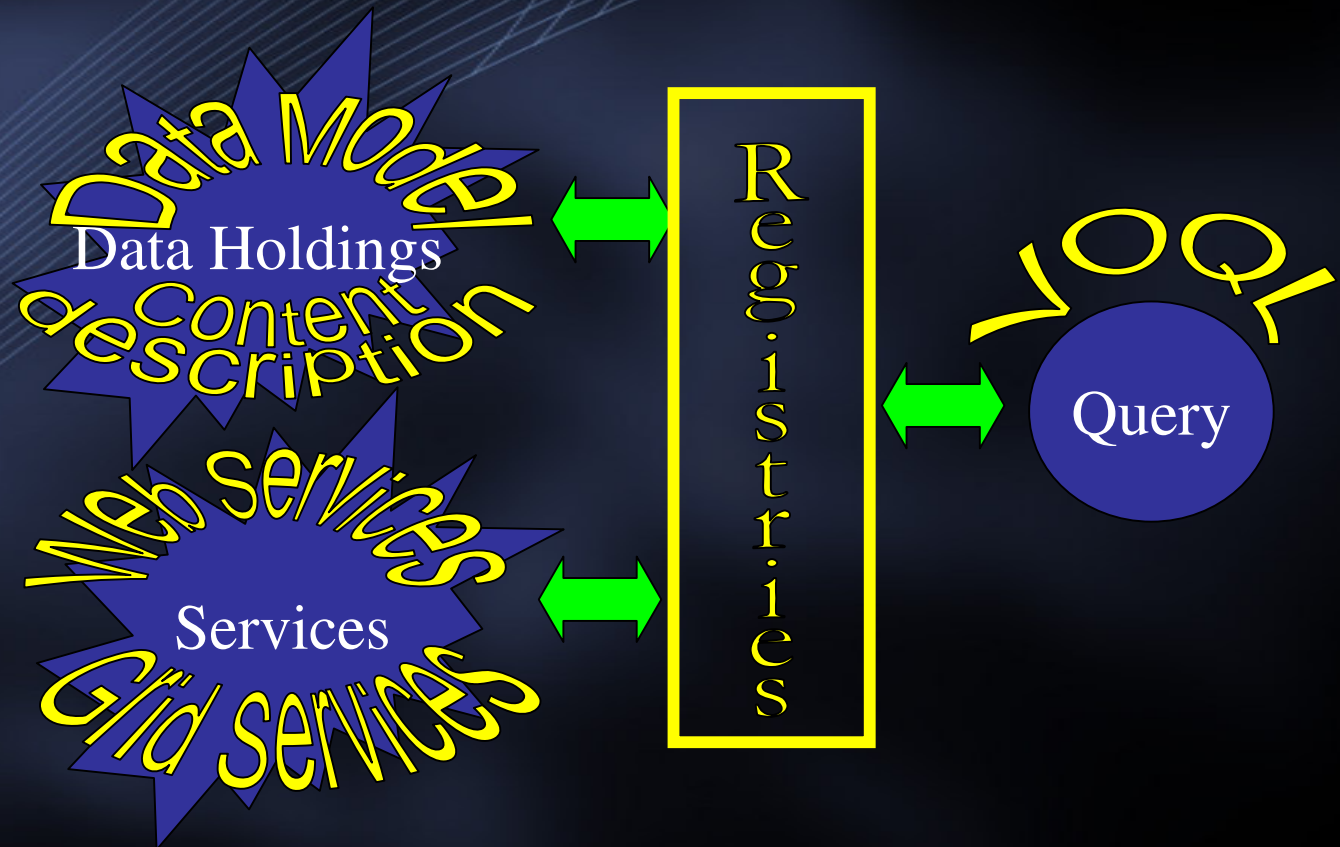
Roadmap

- June 2002 - IVOA formed
- January 2003 Coordinated Demo 1
 - New, introductory functionality
- August 2003 International Demo
 - IAU Sydney, international access
- January 2004 Coordinated Demo 2
 - Definition of new standards for data access and data discovery
- January 2005 Coordinated Demo 3
 - Complex new functions for knowledge discovery + the Grid



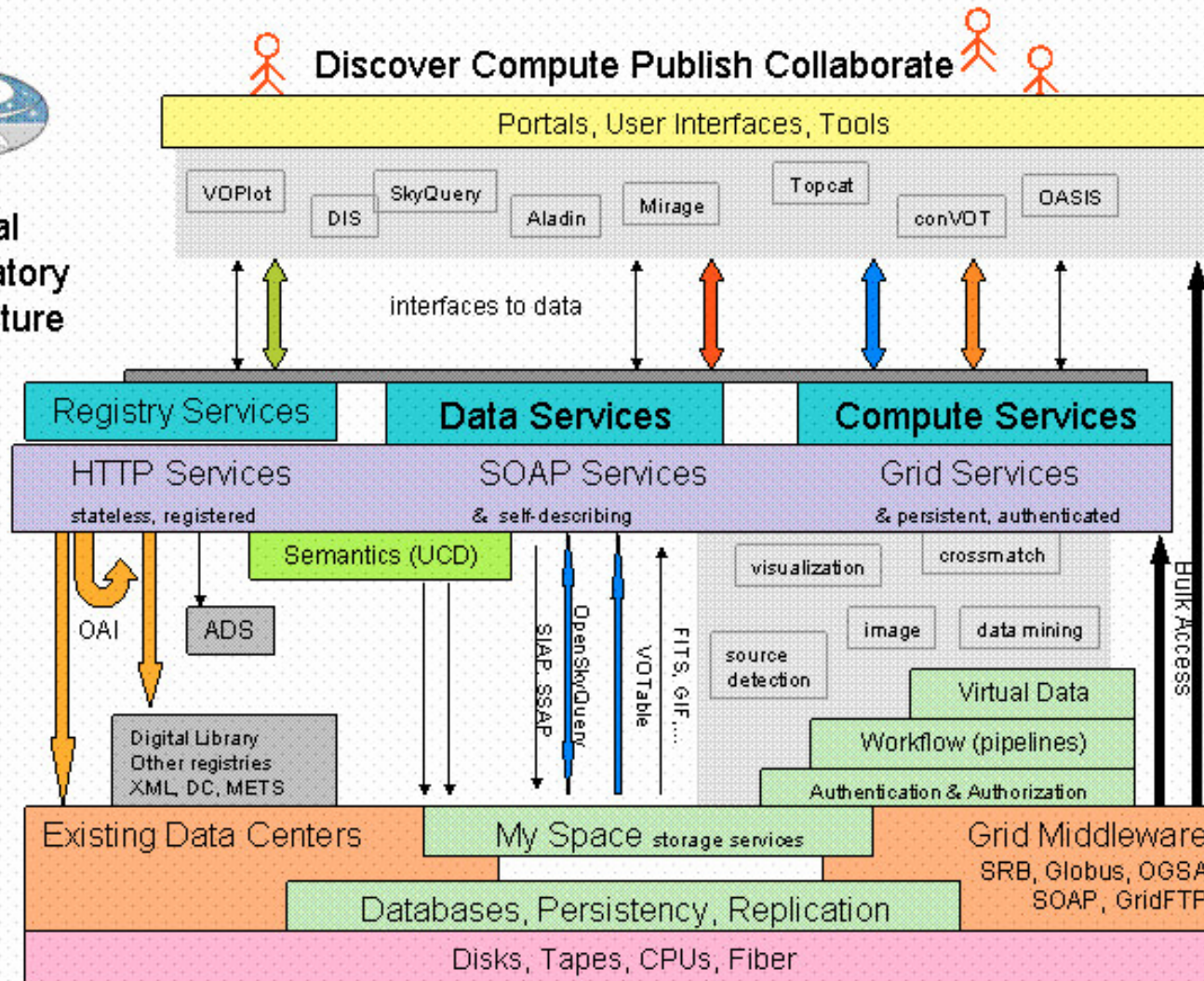
What do we need?

- The guess in January 2003:
 - Registries
 - Data Models
 - VOQL
 - Grid/Web Services
 - UCDs
 - Data Access Layers
 - VOTable





Virtual Observatory Architecture



Jan u a r y 2 0 0 4	-C o r d i n a t e d i n t e r m e d a t e s o f t w a r e d e m o n s t r a t i o n s , i n c l u d i n g i n c r e p o r t i o n o f g r i d b a s e d c o m p u t i n g a n d d a t a s t o r a g e c h a n g e s . -V O A b e t 11	P a r t i a l [7]
Mar c h 2 0 0 4	-R e s o u r c e M e t a d a t a V 1 . 0 -D a a M o d e l V 0 . 5	P a r t i a l [8]
May 2004	-D a a M o d e l V 0 . 9 -U C D V 11 -S i m p l e S p e t r u m A c c e s s P r o t o c o l (S S A P) V 09 -S I A P V 1 . 0 -A s t r o n o m i c a l D a t a Q u e r y L a n g u a g e (A D Q) V 08 -W e b S e r v i c e S t a n d a r d I n t e r f a c e V 0.5 -I n t e r o p W o r k s h o p , 2 4 - 2 5 J u n 2004, C a m b r i d g e (U S A)	C o m p l e t e d C o m p l e t e d

IVOA Roadmap II

O c t o b e r 2004	-I n i t i a l a g r e e m e n t s o n r e g i s t r y c u r t a o n a n d m a i n t e n a n c e -S S A P V 1 . 0 -S I A P V 1 . 9 -A D Q V 09 -O p e n S k y N o t e V 0 . 9 -R e g i s t r y H a v e s V 0 . 9 -D a a M o d e l V 1 . 0 -I V O A I n t e r o p W o r k s h o p , I n d i a , 27 S e p t e m b e r - 1 O c t o b e r 2004	
Jan u a r y 2 0 0 5	-C o r d i n a t e d c o m p u t i n g e x p e r i e n c e d e m o n s t r a t i o n s i n d u d i n g r e g i s t r y d i s c o v e r y a n d h a v e s , w e b s e r v i c e s p r i m a r y a n d s t r u c t u r a c c e s s . -I V O A E x e c u t i v e a n d u t o p o l i t i c a n d p	



Success in Jan'05 is critical

- IVO “first science” is happening
 - “crafted” demos
- We need to demonstrate real access to distributed, multi-wavelength, multi-format, data and services
 - Registry definition and harvest, simple image and spectrum access and basic data model constructs
- Target: January 2005 demos for complex use cases and “real” IVO-enabled science
- **2005 marks the transition for R&D to IVO startup**