

Euro-VO Astronomical Infrastructure for Data Access and the role of standards

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Consortium members

- CNRS, France (CDS, France VO)
- European Space Agency
- European Southern Observatory
- INAF, Italie (Trieste, VObs.it)
- U. Groningen (NOVA)
- The University of Edinburgh (AstroGrid)
- U. Heidelberg (ARI, GAVO)



Project objectives

- The Virtual Observatory aim is to provide astronomers with seamless access to data, information, services and tools – a world-wide endeavour
- EuroVO-AIDA will ensure the transition of the European astronomical Virtual Observatory to operations
 - Large scale deployment by data centres
 - Construction of a community of science users
 - JRAs: definition/evolution of interoperability standards, relevance of new technologies

and Liaison with other communities

Outreach towards higher education and public



e-infrastructure




Work plan outline

- Networking targets
 - European astronomers (science users)
 - European data and service providers
 - At the technical level: partners' technical teams
the international VObs community
 - Other communities interested by the concept or which develop generic frameworks
- Service Activities in support to uptake by data centres, usage by the science community, and outreach
- Joint Research Activity: requirements from data centres and scientists, assessment, prototypes, proposals to IVOA



Standards related work

- Two JRAs (on a total of 3)
 - JRA1 – Evolution of VObs interoperability standards
 - JRA2 – Data Access protocols and Data Models
- VObs standardizing body: International Virtual Observatory Alliance 
 - Semantics, Data Models, Data Access Layer, Query Language, Registry, Grid & Web services, et al.
- Networking (dissemination/liaison) with other science communities and for generic standards

