



Astronomy ESFRI & Research Infrastructure Cluster
ASTERICS - 653477



ASTERICS DADI Activities

Françoise Genova

WP4 high level objectives

Make the ESFRI and pathfinder project data available for discovery and usage by the whole astronomical community, interoperable in a homogeneous international framework, and accessible with a set of common tools.

European VO teams **AND** ESFRI/pathfinder teams will be involved in **ALL** activities.

Who's involved

- Euro-VO partners, i.e. VO initiatives from France (CNRS/OAS- CDS+UNISTRA), Germany (UHEI), Italy (INAF), Spain (INTA), UK (UEDIN)
- Representatives of ESFRI and pathfinders
 - CTA (CNRS/LUTH + OBSPAR)
 - EGO/VIRGO and ET (CNRS/APC)
 - KM3Net (CNRS/CPPM)
 - SKA (ASTRON)
- ESO is associated to the project
- ESA (ESAC) is working in close collaboration with Euro-VO

Targets

Three Tasks in support to three complementary targets

- Task 4.1: Support to astronomy ESFRI facilities, their pathfinders and other infrastructures of pan-European interest for implementation of their data in the VO framework
- Task 4.2: Support to the astronomical community
- Task 4.3: Updates of the VO framework from feedback and requirements

Task 4.1 – Support to ESFRIs et al. (INAF/UHEI)

- Train and support project staff in the usage and implementation of the VO framework and tools
- Make them active participants in the VO framework definition and updates

Activities

- Networking and training
 - Annual Forum & Training event for ESFRI (project participants, year 1 & 3) and all European data providers (year 2 & 4)
 - On-line tutorials and training material (Repository of Products)
- Direct support to implementation, local training of technical AND scientific staff (helpdesk, registry, s/w, visits)
- Gathering requirements and feedback as input to Task 4.3

Task 4.2 – Support to the astronomical community (CNRS/INTA)

- Train and support the wider astronomical community in the scientific use of the framework (pathfinder data)
- Gather their requirement and feedback

Activities

- Provision of training (european, regional & national)
 - One European School/year (used as template for other events)
 - On-line science tutorials (Repository of Products)
- Collaboration with science projects
- Gathering scientific requirements and feedback as input to Task 4.3

Task 4.3 – Updates of the VO framework from feedback and requirements (CNRS/UEDIN) (1)

Activities

- Identification of priorities (incremental process with input from Tasks 4.1 & 4.2)
 - Role for ASTERICS External Advisory Board
 - Initial priorities: multi-D (including polarisation), time domain, provenance, adapt VO tools to new observables
- Update or definition of standards
 - Participation in the six-monthly IVOA meetings
 - ASTERICS DADI Technology Forums (2 the first year, then 1/yr)
 - Technical work in IVOA Working Groups and Interest Groups driven by the priorities

Task 4.3 – Updates of the VO framework from feedback and requirements (CNRS/UEDIN) (2)

- Updates of the data publication tools, s/w libraries and VO-enabled access tools (Repository of Products)
- Liaison with the Research Data Alliance and other initiatives dealing with interoperability
- Liaison with OBELICS (led by INAF)

Events and milestones

- ASTERICS-organised events
 - This meeting (D4.1)
 - ESFRI Forum and Training Workshop (D4.3) – Trieste 3-4 December
 - ASTERICS School (D4.2) – Madrid 15-17 December
- Milestones organised by others
 - IVOA meeting Sesto 14-19 June
 - RDA Sixth Plenary meeting Paris next week
 - IVOA Interoperability meeting Sydney 30 October-1 November + ADASS
 - RDA Seventh Plenary Tokyo 1st week of March 2016

This meeting

- First gathering
- Who does what?
- What is the expertise of each participant & associated parties
- A first presentation of the IVOA framework
- Possible collaborations
- Prepare the ESFRI Forum event : the meeting will be a milestone for the ESFRIs to present their requirements on the VO framework