

Madrid VO School D4.2

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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 (INAF/UHEI)
- Task 4.2: Support to the astronomical community (INTA/CNRS-CDS) – **Annual School**
- Task 4.3: Updates of the VO framework from feedback and requirements (CNRS-CDS/UEDIN)

Deliverables

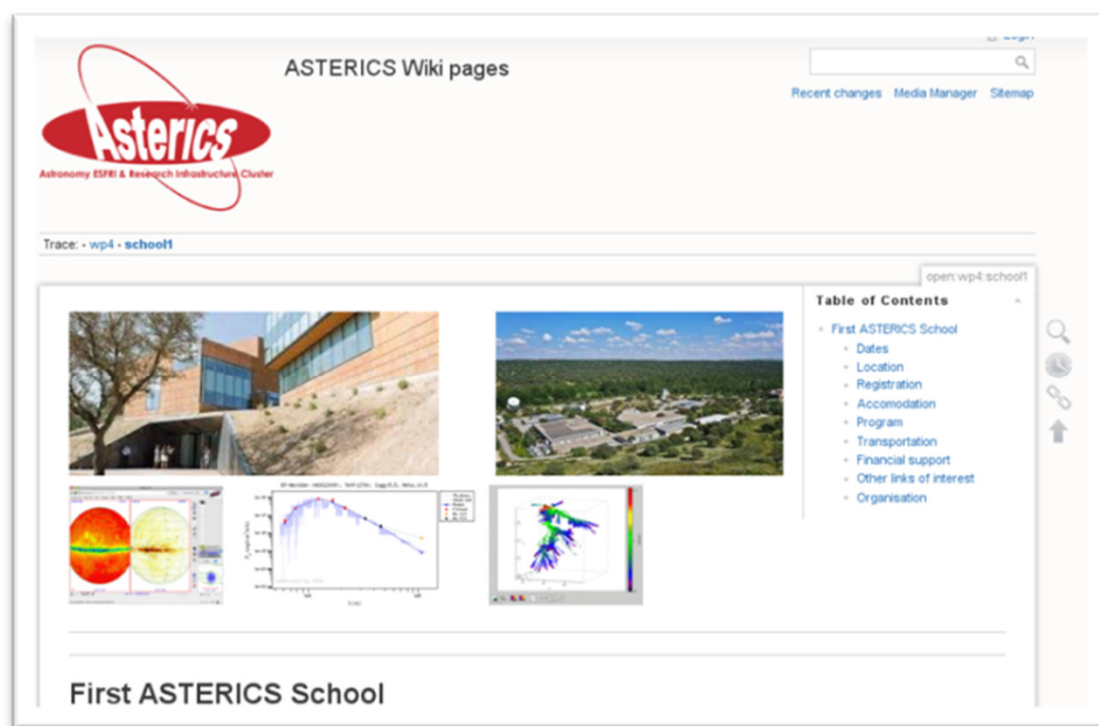
- One deliverable/task during the period
- Deliverables are Workshops, the « text deliverable» is provided several weeks afterwards

#	Title	Lead partner	Due date	Actual date and location
D4.1	First DADI Technology Forum	CNRS/CDS (Task 4.3)	September 2015	Held 17-18 Sept. Strasbourg Del. 3 Nov.
D4.2	FIRST ASTERICS European School	INTA (Task 4.2)	November 2015	Held 15-17 Dec. Madrid Del. being finalized
D4.3	First ESFRI Forum & Training Event	INAF (Task 4.1)	November 2015	Held 3-4 Dec. Trieste Del. Being finalized

D4.2 First DADI School

- 15-17 December 2015
- 42 participants from France, Germany, Italy, Spain, UK, and from Belgium, Greece, Lithuania, Poland, Portugal and Slovakia, also CTA, LOFAR, ESO
- 11 tutors
- Information disseminated through national mailing lists, contacts in non-partner countries, through the ASTRONET network, through the IVOA and EAS Newsletter

School web site



<https://www.asterics2020.eu/dokuwiki/doku.php?id=open:wp4:school1>

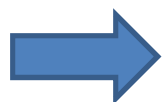
Objective and outline

- Learn enough about the VO to be able to use it in one's own research
- Gather feedback from participants (on VO tools and on different aspects of the school, in particular the tutorials)
- Early career scientists and colleagues from the ESFRIs and pathfinders
- Outline
 - Short presentation of the IVOA and ASTERICS
 - “Hands-on” tutorials & “Treasure Hunt”
 - Tutorials are selected to cover the most important functionalities of the most popular VO tools
 - Participants' own projects
 - Presentation of some of the projects and feedback session

Preparatory work

- Update of the tutorials
 - Detailed end-to-end example of VO usage
 - « Treasure Hunt » : questions to answer with a limited time
- Individual contact with the participants about their science topics to prepare the session on participants' projects
 - Field, Research, Type of data, Wavelength range, Archives of interest, Operations on data, Experience with VO tools
 - Tutor assigned on each aspect of the project

Tutorial repository




The screenshot shows a web browser window displaying the 'Scientific Tutorials' page of the Euro-VO project. The browser's address bar shows the URL www.euro-vo.org/?q=science/scientific-tutorials. The page features a large 'EURO VO' banner at the top. On the left side, there is a navigation menu with categories: Home, Science, EDUCATION, and About. The 'Science' category is expanded, and 'Scientific Tutorials' is highlighted with a blue circle. The main content area, titled 'Scientific Tutorials', lists various resources and projects, including:

- The CDS tutorial [ASTERICS VO School, Dec 2015]
- Discovery of Brown Dwarfs mining the 2MASS and SDSS databases [ASTERICS VO School, Dec 2015]
- Classifying the SEDs of Herbig Ae/Be stars [ASTERICS VO School, Dec 2015]
- Determination of stellar physical parameters using VOSA [ASTERICS VO School, Dec 2015]
- Multi-instrument, multi-wavelength study of high energy sources with the virtual Observatory [ASTERICS VO School, Dec 2015]
- Advanced Functionalities in TOPCAT [ASTERICS VO School, Dec 2015]
- Adding catalog data to object lists using the VO [2015]
- Discovering useful data using the VO registry [2015]
- Ad-hoc calibration using Aladin [2015]
- Processing and visualizing simulation data with TOPCAT [2015]
- Working with spectra using SPLAT [2015]
- TOPCAT and Aladin working together [2015]
- Determination of stellar physical parameters using SPECFLOW [March 2015]
- Abell 1656: The Coma Cluster of Galaxies [June 2014]
- Multi-instrument, multi-wavelength study of high energy sources with the virtual Observatory [Oct 2013]
- Treasure Hunt [Feb 2013]
- Determination of stellar physical parameters using VOSA, (step-by-step) [Feb 2013] Uses VOSA
- CDS Tutorial, (step-by-step) [Updated June 2014] Uses the CDS Portal and Aladin
- Study of the Coma Cluster, with a step-by-step description and a more expanded presentation; [Mar 2011] Updated version [Feb 2013] for CoSADIE

At the bottom of the page, there is a URL: https://www.astron.nl/asterics/doku.php?id=open:wp4:bd_tutorial.





Follow-ups

- On the spot
 - Questionnaire
 - Feedback session, incl. Feedback on tools and VO
- After the school
 - The participants will be polled each year to follow the School impact and monitor their usage of the VO
 - Participants encouraged to act as VO ambassadors
 - Two seminars in Athens in the first half of 2016

Next step

- Second School held in Strasbourg
~November 2016
- How to organise a more active participation of the ESFRI and pathfinders? Specific tutorials would be welcome
- Specific « scientific support » activities for each ESFRI in Task 4.2 will help since relevant tutorials will be identified/prepared