



Astronomical Infrastructure for Data Access (AIDA): service activities for higher education and outreach

G. Iafrate (1), M. Ramella (1), T. Boch (2), F. Bonnarel (2), F. Chèreau (3), P. Fernique (2), P. Osuna (4), and the Euro-VO AIDA collaboration Team

(1) INAF - Astronomical Observatory of Trieste (Italy), (2) CDS - Strasbourg (France), (3) ESO - Munich (Germany), (4) European Space Astronomy Center of ESA - Madrid (Spain)

We present preliminary simple interfaces developed to enable students, teachers, amateur astronomers and general public to access and use the wealth of astronomical data available in ground-based and space archives through the European Virtual Observatory (EuroVO). The development of these outreach interfaces are the aim of a workpackage of EuroVO-AIDA (Astronomical Infrastructure for Data Access), a project supported by EU in the framework of the FP7 Infrastructure Scientific Research Repositories initiative (project RI2121104). The aim of AIDA is to create an operating infrastructure enabling and stimulating new scientific usage of astronomy digital repositories. Euro VO AIDA is a collaboration between six European countries (PI Françoise Genova, CDS).

The professional tools we adapt to the requirements of outreach activities are Aladin (CDS), Stellarium/VirGO (ESO) and VOSpec (ESA VO). Some initial requirements have been set a priori in order to produce a first version of the simplified interfaces, but the plan is to test the initial simplified versions with a sample of target users in order to take their feed-back into account for the development of the final outreach interface.

The core of the test program consists of use cases we designed and complemented with proper multilingual documentation covering both the astrophysical context and the use of the software.

In the special case of students in the age group 14-18 and their teachers, we take our use cases to schools. We work out the tests in classrooms supporting students working on PCs connected to the internet. At the current stage of the project, we are collecting the users feedback.

Relevant links:

Euro-VO AIDA Overview

<http://www.euro-vo.org/pub/aida/overview.html>

Euro-VO AIDA WP5

<http://cds.u-strasbg.fr/twikiAIDA/bin/view/EuroVOAIDA/WP5WorkProgramme>