

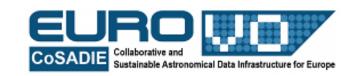
In classroom with the Virtual Observatory: a new tool for students and teachers

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The Virtual Observatory

- A set of <u>standards</u>, protocols and procedures
- A set of tools for
 - Publishing
 - Finding, verifying, retrieving
 - Displaying, analyzing
- Tools are <u>interoperable</u>

Astronomical data stored in digital archives anywhere

Education and the Virtual Observatory I Since 2008 with Euro-VO AIDA

- Simplified professional tools:
 - Aladin (access and display VO data and catalogs)
 - Stellarium (virtual sky)

- Use Cases (secondary school to university)
 - PDF publication presenting a problem
 - Step-by-step guide to the solution using VO tools

Education and the Virtual Observatory II

- Developed in close collaboration with teachers and students
- Multilingual effort
- Teacher training
- Educational product available here:
 - http://wwwas.oats.inaf.it/aidawp5/

Gallery

Present plan: CoSADIE

Collaborative and Sustainable Astronomical Data Infrastructure for Europe

Diffuse VO Edu as widely as possible

- Increase the number of VO Edu aware countries
- Adapt products to different school structures
- Keep translating

First step: identify contact persons

Collaboration with Astronet is essential and already built in into CoSADIE

Longer term plan

VO Edu a sustainable resource

 Ideas to be developed in the CoSADIE framework, brainstorming with Astronet and other projects pursuing the same goal

Interoperability:

"the ability of information systems to operate in conjunction with each other encompassing hardware, communication protocols, applications, and data compatibility layers" (ICH 2004).





