

# Presentation of WP5 activities

- WP5 D2.1 plan
- We did until now
- Remains to be done in Cycle 1
- Miscellanea

# The WP5 D2.1 plan (excerpts)

we identified the main professional tools that we will adapt and offer to our public: they are **Aladin (CDS)** and **Stellarium/VirGO (ESO)**.

we plan to offer the **translation of outreach tools** in the languages of Euro-VO AIDA partners.

we also recognize the importance to **provide basic [astronomical] information for selected classes of objects** whose data will be searched by our public within the Euro VO database. We will produce part of such information.

we will **contact various international projects for the diffusion of astronomy** in order to discuss inclusion of (part of) their knowledge base within our outreach interfaces [and viceversa diffusion of our material through them]

in particular, we note that outreach vocabulary and interface with **Google Sky** and **Microsoft World Wide Telescope** are presently discussed at IVOA level.

# The WP5 D2.1 plan (excerpts)

Next steps are:

Deliverable 5.1: **Requirements for outreach interfaces**

**Adaptation of tools**, in particular the production of a 'lite' version of Aladin (with versions in different European languages)

Identification of the required **adjustments of the VObs standards** and their transmission to WP6-JRA1

study of **use cases** of the outreach interfaces to be used as tests by a sample of our public whose feed-back will be used to tweak our project

# Things done:

1. Produced D5.1 with *a priori* requirements for outreach interfaces
2. Performed initial adaptation of tools to comply with D5.1 requirements including translation of Aladin into Italian
3. Produced 6 use cases of the outreach interfaces (Italian and English) with full documentation
4. Started test of the interfaces and collection of feed-back forms in schools and with associations of amateur astronomer

# 1. Deliverable WP5 D5.1

## Requirements for outreach interfaces

- compatibility with Virtual Observatory standards
- presence of an adequate sky-navigation tool
- limited number of significant image and catalogue sources
- simplified search options
- selection of objects by class
- careful choice of buttons
- access to PR images of special objects obtained from VO repositories
- high level commands in script language
- easy printing and printer-friendly pages
- (partial) off-line functionality
- use of local images and catalogs
- capability to operate with less than optimal hardware/network resources
- high level documentation: reference guide and user-friendly tutorial
- simplified documentation: primer and use cases
- library of demos

Aladin and Virgo/Stellarium (combined use)

Choose the default pixel mapping.  
video mode, colormap, autocut, transfert functions and display mode.

**CSV characters**

Available separator characters for CSV tables and catalogues

**Dedicated filter**

This selector allows you to automatically apply default dedicated filter for Simbad, NED,...

**Footprint opacity**    15  
0 20 40 60 80 100

This selector allows you to activate/desactivate the opacity of instrument footprints

**Web browser**

Indicate your preferred browser amongs mozilla, firefox, netscape or konqueror. Or specify the path to your browser. A blank field lets Aladin choose for you.

**Image survey** Server  Survey/Color

Choose the image server, the survey and/or the color which will be used by default

**Registry site**

Aladin uses the GLU, a "yellow page service" for discovering available servers. It is generally better to choose the closest site. Modifying this selection during the session or press the "Reload" button will re-build dynamically all the forms.

**Profile**

Specify  mode. In "undergraduate" profile, for simplifying data and advanced features are hidden.

- astronomer
- undergraduate**
- preview

## 2. Adaptation of tools

## 3. Use cases

1. Celestial sphere
2. Proper motions
3. Stars and the HR diagram
4. Pleiades star cluster the HR diagram
5. Confirmation of a supernova
6. Classification of Galaxy morphologies

## 4. Testing

Schools accept to be part of the testing program with a formal agreement

Program:

A total of 3-4 hr of activity at the school for each use case (max 3)

1 hr presentation of the astrophysical problem

1 hr presentation of EURO-VO AIDA + interfaces + some technical details

2 hr practice in the computer rooms, each student w/ PC

Feed-back:

- 1) Recording of comments/problems during practice session
- 2) Written form with comments and suggestion at the end of the program



about 250 students  
ages 14 - 18



5 middle schools (age 14) + 4 high schools (age 18)  
in 7 towns



4 amateur astronomer associations in 4 towns  
+ individual experienced amateur astronomers

Sede e Osservatorio Astronomico:  
P.zza G. Miani, 1 - 33047 - Remanzacco (UD)  
P.Iva.: 80024500300

[www.AFMWEB.com/it](http://www.AFMWEB.com/it)



**ASSOCIAZIONE FRIULANA DI  
ASTRONOMIA E METEOROLOGIA**

Stazione Astronomica: Num. 473

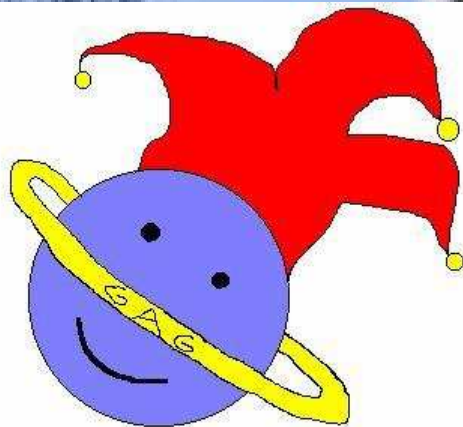
Lat. N. 46° 05' 11.26" - Long. E. 13° 18' 59.85"

**ASSOCIAZIONE ASTRONOMICA  
CORTINA**

Col Druscìè observatory "Helmut Ullrich"



Associazione Astronomica  
**ISAAC NEWTON**  
SANTA MARIA A MONTE



# To be done in Cycle 1

- Conclude Aladin+Virgo/Stellarium test fase (use feed-back for final rev)
- Implement remaining requirements of D5.1
  - Selection of objects by class
  - More pretty images and PR material
  - Define min hw requirements (as low as possible)
- User guides and documentation
- **Translations**

# Miscellanea

- **Portal** for AIDA outreach (distribution of material and promotion)
- **CD/DVD** with animated use cases and related images/material
- **Increase number of use cases** and of schools involved
- **Semantics**
- **General Public**, WWT, Google Sky, and the others
- **Acknowledgements** of testers