Dear Colleagues,

Due to the high level of interest we are pleased to announce that the

ESAC VO School 2010 is going ahead, on 19th and 20th October 2010. The

aim of the workshop is to expose attendants to the variety of VO tools

and services available today so that they can use them efficiently for

their own research. Particular emphasis will be placed on the European

VO tools TOPCAT, VOSpec and Aladin. Our intention is to open this

workshop to ESAC colleagues, and to any interested participants from

local and national institutes in Spain.

For further details and registration please go to:

<http://www.sciops.esa.int/index.php?project=CONF2010&page=ESAC_VO2010>

There is no deadline for registration but we have a limit on the number

of people we can accommodate, therefore please register early.

Best regards and we look forward to seeing you at ESAC,

Deborah Baines (ESA-VO Scientist) and Pedro Osuna (SAT/ESA-VO Team Leader)

\*ESAC VO School, ESAC, 19 – 20 October 2010\*

\*Purpose and Goals:\*

The Virtual Observatory (VO) is opening up new ways of exploiting the

huge amount of data provided by the ever-growing number of ground-based

and space facilities, as well as by computer simulations. At ESAC we

have the unique position of hosting two major Virtual Observatory

groups: the ESA-VO Team, part of the Science Archives Team (SAT) of the

European Space Agency and the Spanish Virtual Observatory (SVO), the

Spanish National VO group at LAEX. We therefore wish to share our

knowledge and expose attendants to the variety of VO tools and services

available today so that they can use them efficiently for their own

research.

\*Workshop format:\*

VO Experts from the ESA-VO group and from the Spanish Virtual

Observatory will lecture and tutor the participants on the usage of VO

tools. Real life examples of scientific applications will be given. The

majority of the time will be dedicated to hands-on exercises, which will

allow participants to become fully familiar with the VO capabilities.

Towards the end of the workshop participants will have the opportunity

to apply what they have learned to their own scientific cases.

Tools providing the following functionalities will be presented:

- Data discovery and data mining

- Catalogue and table handling

- Image and spectra handling

- Cross-correlations

- Access to theoretical models

We ask that all participants please arrange to bring a laptop in order

to follow the tutorials and develop any of your own scientific cases.

All software that will be used during the school will be listed in the

programme.

A sub-selection of the following Euro-VO tutorials will be chosen for

the workshop (between 3 and 4). If you have not already done so, please

indicate which tutorials you would prefer to be included (send an email

to [dbaines@sciops.esa.int](mailto:dbaines@sciops.esa.int)):

1. Classifying the SEDs of Herbig Ae/Be stars

<http://www.euro-vo.org/pub/fc/workflows/Herbig.html>

2. The nature of a cluster of X-ray sources near the Chamaeleon

star-forming region

<http://www.euro-vo.org/pub/fc/workflows/Chamaeleon.html>

3. Discovery of Brown Dwarfs mining the 2MASS and SDSS databases

<http://svo.laeff.inta.es/modules.php?op=modload&name=phpWikiP&file=index&pagename=Meetings-SVO_thematic_network_Third_Hands-on_caso1_gal>

4. Confirmation of a Supernova candidate

<http://www.euro-vo.org/pub/fc/workflows/SN.html>

5. Quasar candidates in selected fields

<http://www.euro-vo.org/pub/fc/workflows/quasarCandidates.html>

6. From SED fitting to age estimation: The case of Collinder 69

<http://svo.laeff.inta.es/theory/vosa/ohelp.php?&action=help&what=example&sec=example>

7. Searching for Data available for the bright galaxy M51

<http://www.euro-vo.org/pub/fc/workflows/M51.html>