

WORKSHOP OF THE EUROPEAN VIRTUAL OBSERVATORY,
DATA CENTER ALLIANCE

VO_DAY SOFIA January 24 – 25, 2008

PROGRAM

Jan 23rd (Wednesday) 19:00 21:00 Arrival,
Registration (Hotel RAJ, and the Hotel of Bulgarian Academy)

Jan 24th (Thursday)

Registration; 8:30-8:45

8:46-8:58 Conference Photo (in front of the main entrance of the Hotel of the Bulgarian Academy of Sciences.

Opening: 8:59 Welcome speech: From the Bulgarian Academy of Sciences etc.

09:10h: 0.1 Local information/Logistics (Milcho Tsvetkov)

09:15h: 0.2 Purpose of the meeting (E. Solano)

I-st Session: Virtual observatory

09:30h: 1.- The Virtual Observatory: (Astrogrid& Jhonathan Tedds) (25'+10')

1.1.- Need for a VO: interoperability, management of large volumes of data.

1.2.- A bit of history: first initiatives, AVO, the creation of IVOA

1.3.- The Euro-VO project. The Euro-VO DCA

10:00h: 2.- VO standards:(SVO: Carlos Rodrigo) (20'+10')

2.1.- UCD's: what are they? The need for UCDs

2.2.- Data models

2.3.- Standard access protocols: SSAP, SIAP, ConeSearch

2.4.- Registries

10:30 COFFEE BREAK

11:00h 3.- VO-tools (ESO: Evanthia Hatziminaoglou) (30'+10')

3.1.- Overview of discovery tools: NVO DataScope, Astroscope, Aladin

3.2.- Overview of VO-tools handling tabular data: VOPlot, Topcat,...

- 3.3.- Overview of VO-tools handling images: Aladin,
 - 3.4.- Overview of VO-tools handling spectra: Vospec, Specview, Splat,...
 - 3.5.- Overview of VO-tools handling theoretical data & simulations: VisIVO
- 11:40h
- 3.2 How to use the VO form IDL (GAVO: Iliya Nickelt-Czycykovski, (20'+10))

12:10h 4- VO-science (ESO:Paolo Padovani) (25'+10')

- 4.1.- Overview of the different projects (being performed or already published) using VO-tools: from the Solar System to extragalactic studies.
- 4.2 VO-related science activities on-going at data centers: the ESOcase.

5. VO-PROJECTS IDENTIFIED BY DATA CENTRES (I)

12:15h Bulgaria (20'+5') :Milcho Tsvetkov – BGVO- Wide-field Plate Database-present status (10') and Plamen Fiziev – The Pink cluster PHYSON and BGVO (10').

12:40h Hungary (20'+5') HVO: Electronic journals in science and in the VO - with an example: the IBVS, A. Holl & P. Erdodi, Konkoly Observatory

13:05h-14:30h LUNCH

5.- VO-projects identified by Data Centers (II)

14:30h: Serbia (20'+5') Work on BELDATA datya base on Belgrade Astronomical Observatory

M. S. Dimitrijevic, V. Protic-Benishek.

14:55h: Romania (20'+5') Romanian Program and VO_link

”Bucharest Plates and CCD Database” P. Popescu, G. Bocsa, A. Nedelcu, L. Serbanescu, O. Badescu

15:20h - 18:00h 6. HANDS-ON SESSION I: PUBLISHING DATA IN THE VO

6.2.- Image tools:

- MEX: ESO tutor Maria del Mar Siera
- DALToolkit: ESA Aurleian Stebe
- SAADA: CDS tutor: Laurent Michel.

18:00 End of the session

MEETING DINNER 19:00 - 22:00 (Social Program)

Jan 25th (Friday)

09:00 - 11:00h Hands-on session

II: Publishing data in the VO

11:00 COFFEE BREAK

7. Progress report and next steps

11:30 Bulgaria (15'+5')

11:50 Hungary (15'+5')

12:10 Serbia (15'+5')

12:30 Romania (15'+5')

12:50 Summary DCA (10')

13:00h End of the meeting

13:00-14:00 LUNCH

VI GAVO-BGVO SESSION

14:30 German Virtual Observatory: general overview. Harry Enke, AIP, GAVO (25+5)

15:30 Spectral Analysis of Extremely Hot Stars – the GAVO Project, Thomas Rauch, IAAT.(25+5)

16:00 AIP Mirror of the WFPDB, Damyan Kalaglarsky, BGVO, SSADC

16:20 New Applications of polyharmonic wavelet analysis to Astronomical Image compression, Ognyan Kounchev, IMI, BGVO (20'+5)

16:50 Closing the meeting (Milcho Tsvetkov, BGVO (5')

Please send your remarks and requests to Enrique Solano (DCA)
(Enrique.Solano@laeff.esa.es) and/or to Milcho Tsvetkov (SSADC)
(milcho@skyarchive.org)

Closing date for the registration, December 31th 2007.