



SOFIA SKY ARCHIVE DATA CENTER

Virtual Observatory Info-Workshop

House of the Bulgarian Academy of Sciences

Sofia, Bulgaria

January 24 – 25, 2008

(Hosted by the Astronomical Institute, Bulgarian Academy of Sciences)

PROGRAMME

Jan 23rd (Wednesday)

20:00-21:00h Registration (Hotel RAJ)

Jan 24th (Thursday)

08:30-08:45h

Registration (Hotel of Bulgarian Academy)

Opening:

08:50h Welcome speech: Prof. Dr. Ivan Nedkov (Bulgarian Academy of Sciences) (10')

09:00h Local information/Logistics (Milcho Tsvetkov) (10')

09:10h Purpose of the meeting (E. Solano) (15')

I.- The Virtual Observatory

09:25h

1.- The Virtual Observatory (Astrogrid: J. 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: C. 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

10:30-11:00h COFFEE BREAK

3.- VO-tools

11:00h

3.1 General Overview(ESO: Evanthia Hatziminaoglou) (30'+10')

- 3.1.1.- Overview of discovery tools: NVO DataScope, Astroscope, Aladin
- 3.1.2.- Overview of VO-tools handling tabular data: VOPlot, Topcat,...
- 3.1.3.- Overview of VO-tools handling images: Aladin,
- 3.1.4.- Overview of VO-tools handling spectra: Vospec, Specview, Splat,...
- 3.1.5.- Overview of VO command-line tools: VO-CLI
- 3.1.6.- Overview of VO-tools handling theoretical data & simulations: VisIVO

11:40h

3.2 How to use the VO from IDL? (GAVO: Iliya Nickjelta-Pilachkovsi) (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.

II.- VO-projects identified by Data Centres

12:45h Bulgaria (20'+5') :Milcho Tsvetkov – BGVO- WFPDB

13:10h Hungary (20'+5') Andras Holl - HVO – the Konkoly observatory programs

13:35-15:00h LUNCH

15:00h Serbia (20'+5') Milan Dimitrijevic/Luka Popovic BEODATA

15:25h Romania (20'+5') Petre Popescu - Romanian Program and VO_link

III.- Hands-on Session A

15:50h

Introduction on MEX (ESO tutor: Mar Sierra) (20')

16:10h

Introduction on DALToolkit (ESA tutor) (20')

16:30h

Introduction on SAADA (CDS tutors: Laurent Michel & Francois Bonnarel) (20')

16:50h

Support to participants data

18:30h End of the session

19:30 - 22:00h MEETING DINNER

Jan 25th (Friday)

IV.- Hands-on Session B

09:00h

Support to participants data

11:00-11:30h COFFEE BREAK

V.- Progress report and next steps

11:30h

Bulgaria (15'+5')

11:50h

Hungary (15'+5')

12:10h

Serbia (15'+5')

12:30h

Romania (15'+5')

12:50h

Summary (E. Solano) (10')

13:00h END OF THE WORKSHOP