

WP4 Input

*Service Activities in support of
provision of VO-enabled services to the
science community*

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WP4 Input: VO School

- Various applications do not allow undoing the last step; an *UNDO button* would be of great help
- Suggestion to have a *Record button* to record all the actions performed by mouse or by clicking and save them in a script (easy to go back and reproduce the exact same steps or modify the script and repeat the workflow)
- Suggestion to have an *installation script* that would allow installing all the VO applications in one step

WP4 Input: VO School

- *Multiple-object search* and user-defined queries (not just cone search) [same comment came from the Research Initiative and the Community Workshop last year]
- *Common* mathematical, numerical *libraries*, syntax translators (e.g. to have possibility to type everywhere hh:mm:ss or hh mm ss etc.), *I/O engines* are needed.
- *Many applications still not stable*; it is important now that take up from the astronomical Community is (hopefully) ramping up that VO tools are robust

WP4 Input: 2nd Research Initiative

- Systematic comparison between observed and various model Spectral Energy Distributions (SED) in order to evaluate the different models (needs SED in the first place!)
- Comparison of the results of user specific software (one for SED fitting, one for spectral analysis) with the generic VO software
- (More) Spectra in the VO

WP4 Input: 2nd Research Initiative

- Long-slit spectra of elliptical galaxies along the major and minor axis: not part of the SSA standard
- Large database combining information from very large surveys/projects such as SDSS, Spitzer, Galex, VLA, etc. Conventional cross-correlations might be inadequate (millions of sources)
- Is there any toolkit or library to SAMP-ify software available for users who might want to make their applications VO-compatible?

WP4 Input

- Need for a mechanism to provide formal scientific input to the AIDA project (cf. the AVO demos)
- VO school was very good also in that respect: great interaction scientists – developers
- Will set up with Pedro an AIDA IST – developers meeting (before the end of the year) to provide a venue for formal interaction; this has already started at this meeting (Photometry + DM meetings yesterday)