

The Information Systems at CeSAM

F. Agneray, S. Gimenez, C. Moreau, Y. Roehlly
Laboratoire d'Astrophysique de Marseille

Contact

F. AGNERAY (francois.agneray@oamp.fr)
S. GIMENEZ (stephane.gimenez@oamp.fr)
C. MOREAU (chrystel.moreau@oamp.fr)
Y. ROEHLLY (yannick.roehlly@oamp.fr)

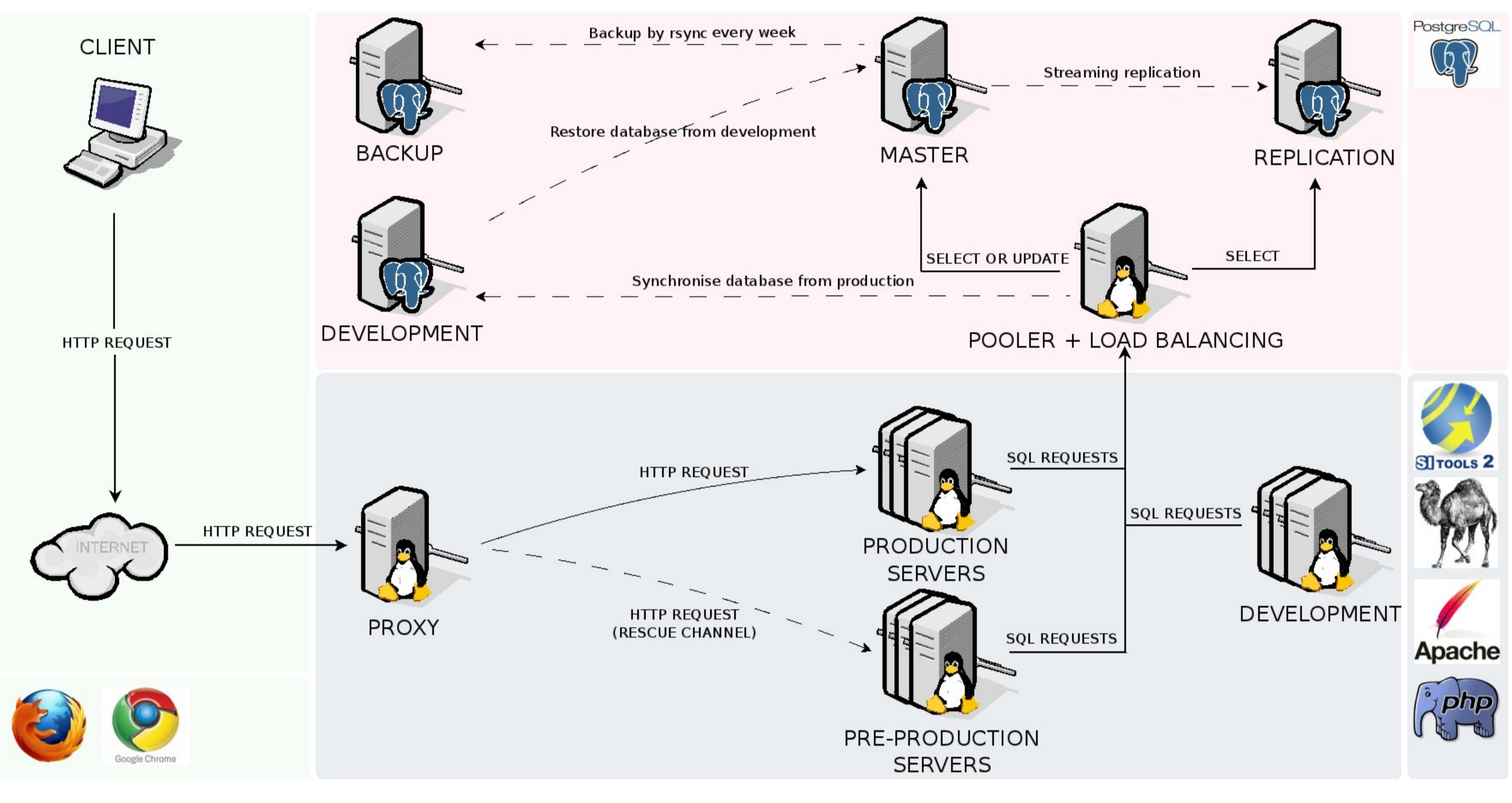
Abstract

Modern large observational programs produce important amounts of data from various origins, and need high level data-quality control, fast data access via easy-to-use graphic interfaces, as well as possibility to cross-correlate informations coming from different observations.

The Centre de données Astrophysiques de Marseille (CeSAM) offers web access to VO compliant Information Systems to access data of different projects (VVDS, HeDAM, EXODAT, HST-COSMOS, ...), including ancillary data obtained outside Laboratoire d'Astrophysique de Marseille (LAM) control.

The CeSAM Information Systems provides download of catalogues and some additional services like: search, extract and display imaging and spectroscopic data by multi-criteria and Cone Search interfaces.

Technical solution



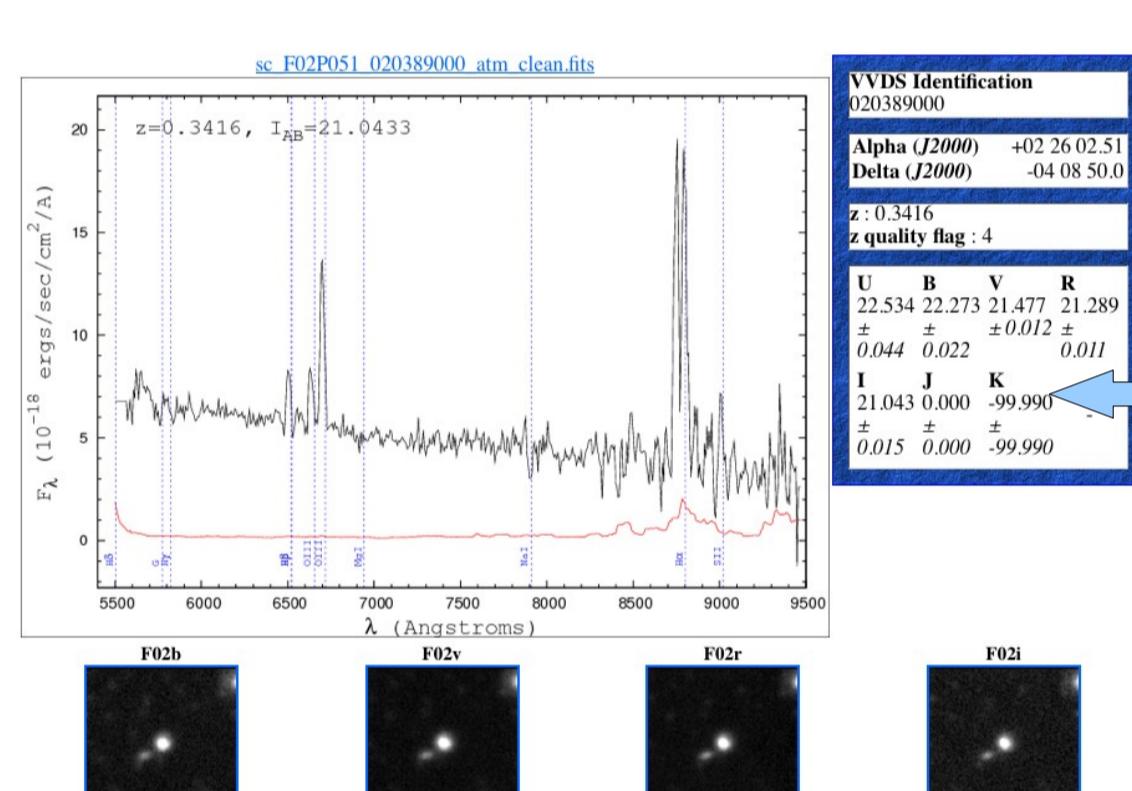
Functionalities provided by Information Systems

Cone Search.

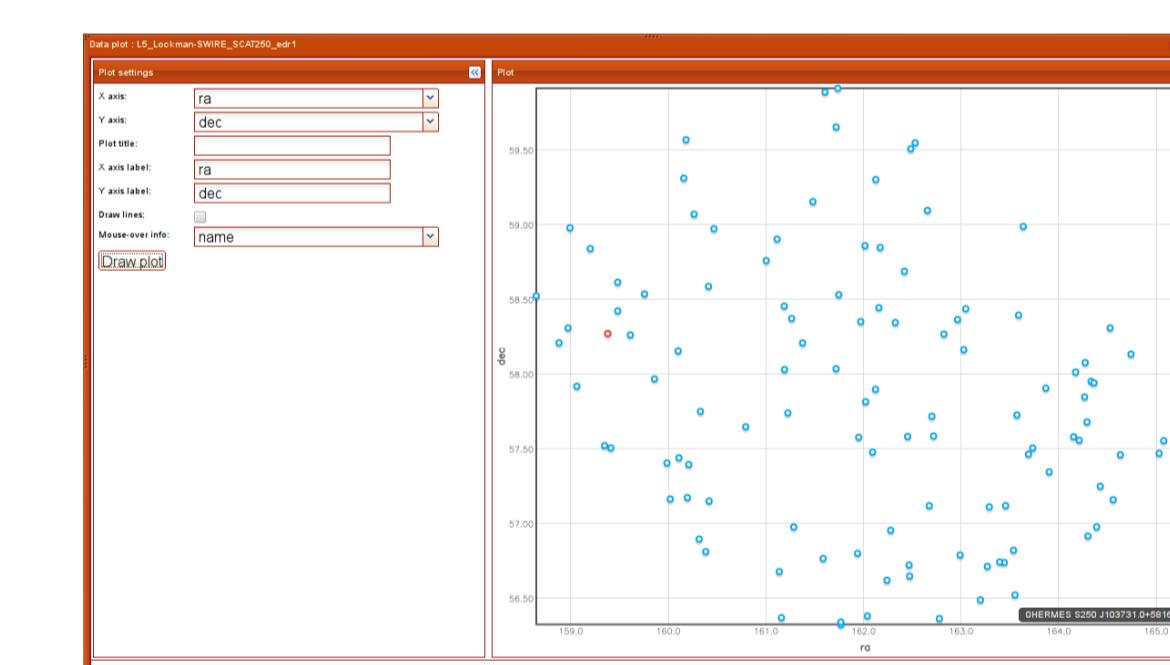
Data Search

Search by multi-criteria.

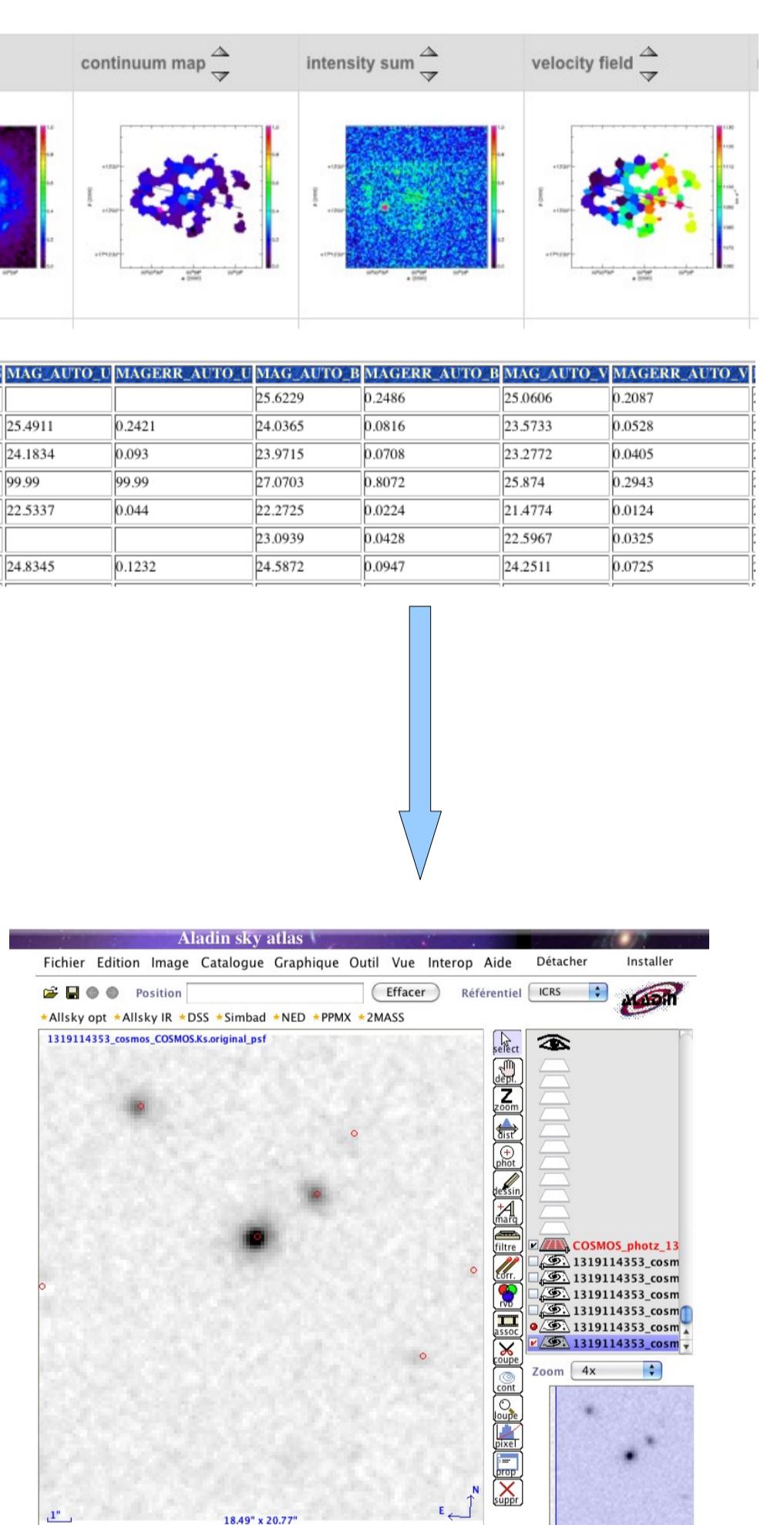
Data Display



Multi-λ fits stamps and 1D spectrum display for all objects.



The result by plot.



The result directly in a CDS Aladin (1) applet (catalogues and images) or in an automatic javawebstart Topcat (2) installation.

Multiple Cone Search.

Search by a direct SQL query.

Functionalities

Direct data download

Dataset selection page to allow our users to directly download catalogues, images in VO-Table XML, FITS, ASCII formats.

Web services

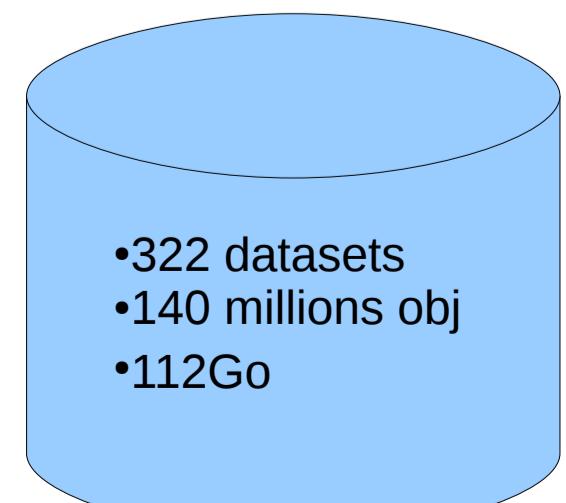
Web services used through : Wget, IDL, Java or PHP.

Extract data

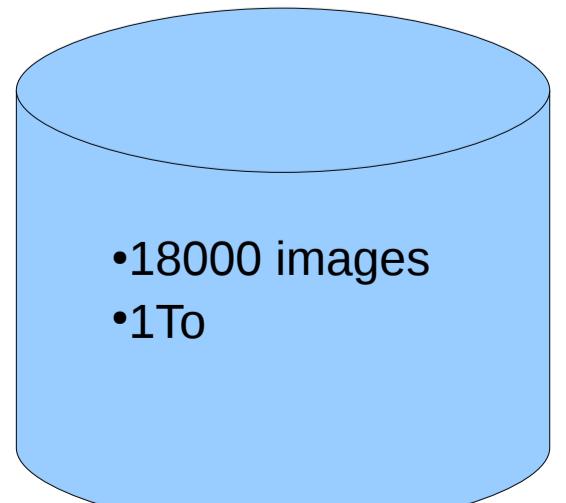
Export the result tables to :
• VO-Table XML, CSV, FITS and ASCII

Data type

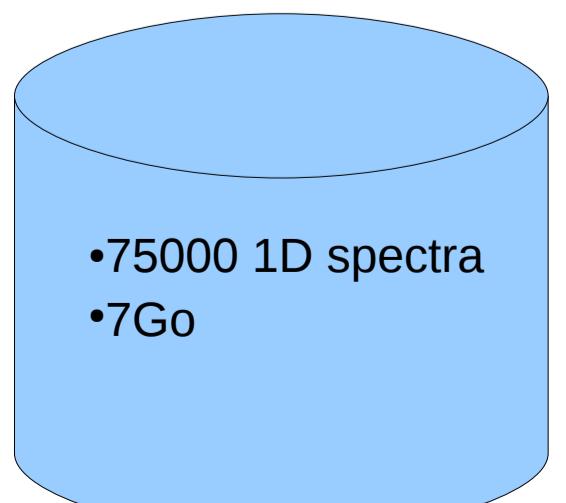
Catalogues



Imaging



Spectroscopy



References

- (1) Aladin : <http://aladin.u-strasbg.fr>
- (2) Topcat : <http://www.star.bris.ac.uk/~mbt/topcat/>
- (3) SiTools : <http://sitools2.sourceforge.net/>