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<http://vizier.u-strasbg.fr>

Searching by Contents

This new search capabilities uses the UCD (United Contents Descriptor: an IVOA standard) which are included in the META data describing every columns of every VizieR tables.

A simple form displays some pre-defined UCD



A free text search returns a list of standardized definitions which are present in the VizieR database

Dealing with external software

CDS Portal

Save your VizieR results into the CDS portal and reuse it to perform :

- a Simbad search
- a search on another catalog of VizieR

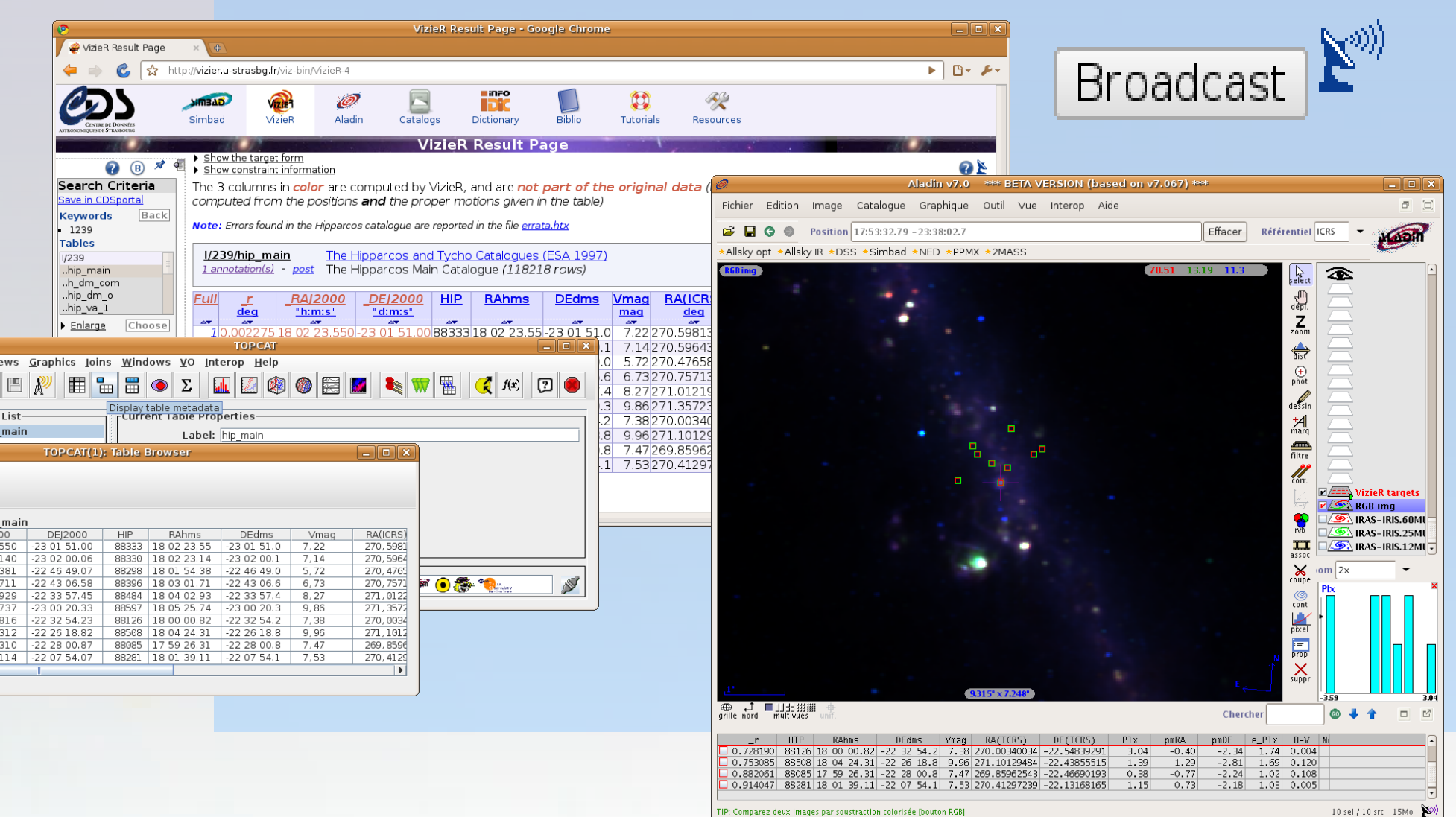
The CDS annotation service

<http://cdsannotations.u-strasbg.fr>

Add your comments to catalogs, tables or rows of the VizieR Database.

Virtual Observatory

The increase of usage of the VOTable output format in VizieR queries shows the increased usage of the Virtual Observatory, now easier with the SAMP broadcast button.



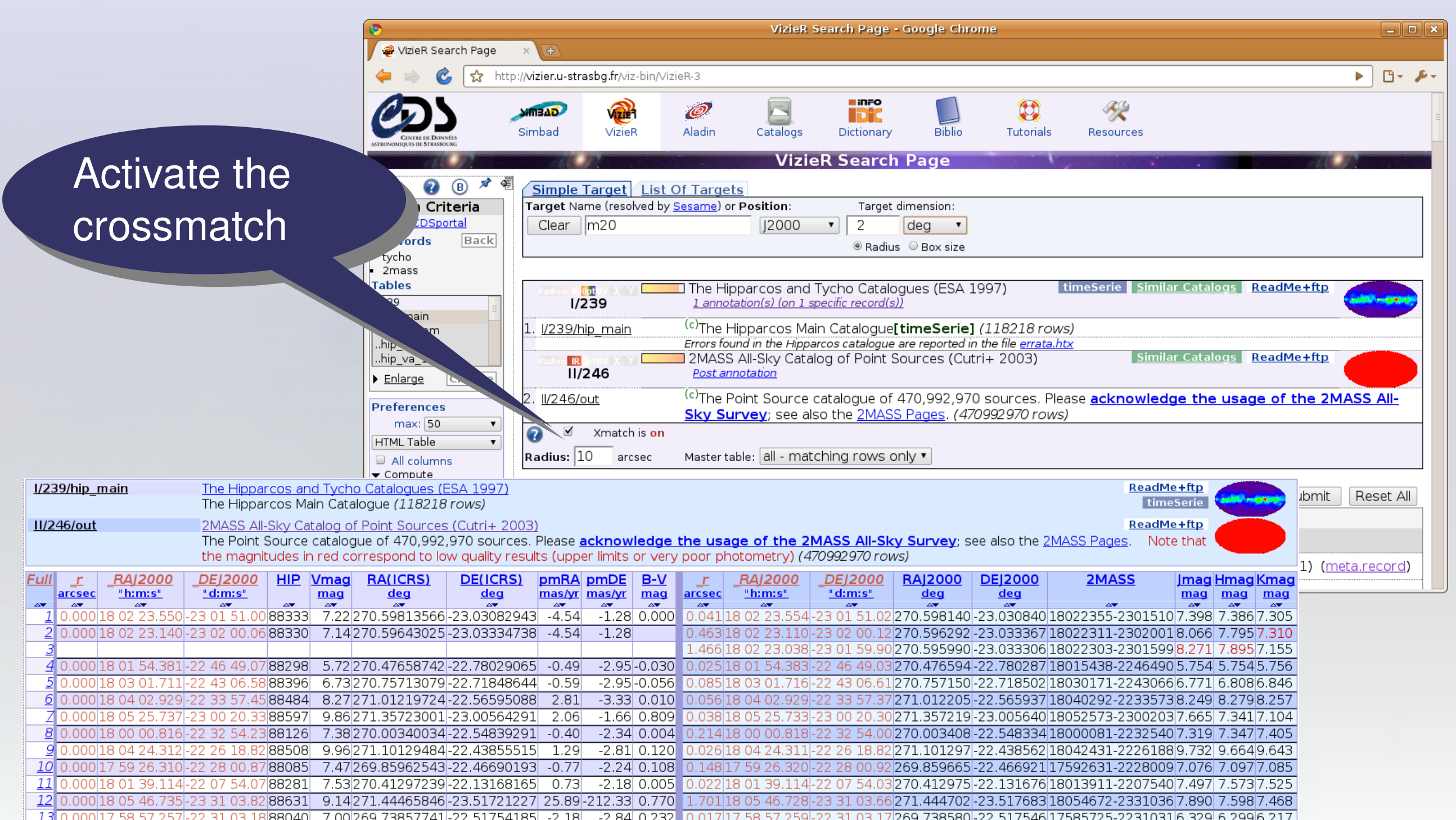
Correlating tables of catalogs

The statistics of the VizieR usage shows an increasing demand to correlate tables coming from different catalogs. The VizieR application has been working for several years with lists to submit constraints (like position) to a catalog. These possibilities had been simplified with the CDSportal.

The last version includes new capabilities to join tables of catalogs:

- join tables using common keys of the tables (supplied by META data)
- join tables according to their positions and a maximum radius (crossmatch)

Activate the crossmatch



On-going developments

- Improvement of the **VizieR positional index** to point directly to the data instead of the catalogs.
- The healpix algorithm is being tested for indexing the database
- Connect the **VizieR crossmatch** to the **CDS crossmatch service** (<http://cdsxmatch.u-strasbg.fr>)
- Create a new **ADQL service** (Astronomical Data Query Language: a standard of the Virtual Observatory).

- Improvement of the **Photometry** with an accurate documentation of filters used and by computing the **SED** (Spectral Energy Distribution) at any position.

Plot results with Topcat

