VizieR in the context of ADQL, SkyNode, …

VizieR

- **VizieR offers an access to a large number of catalogues (~5000)**

- **3 ways to access VizieR**

  - **Main access through cgi**

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

  - **vizquery client**

    - http://vizier.u-strasbg.fr/doc/vizquery.htx

  - **Simple access through soap**

    - Will be replaced by a new and more rich SOAP access

    - http://cdsweb.u-strasbg.fr/devcorner.gml

VizieR in the ADQL-Skynode-… context

- **VizieR is not a relational database !**
  - **VizieR uses relational database for metadata and binary storage (very large catalogs) with dedicated access programs for the data**
    - Binary data is distributed on a cluster

- **2 possible ways for ADQL access**
  - **ASU extension…**
  - **Dedicated access methods updating (wrapping, …)**

Some topics for discussion

■ Columns

- ■ UCD…
- ■ Key columns
- ■ Standard columns
- ■ Need something between Select * and Select col1, ..
- ■ …

■ Units, Built-in functions, …

- ■ Should be defined
- ■ …

Last news : some points discussed in the first part of the session

XMatch

■ **Interesting features**

■ **The large number of catalogues**

■ minimize network transfers

■ **Catalogues are distributed on a cluster**

■ quick cross match between the "local" catalogues

■ **…**

Conclusion

- **VizieR ADQL-Skynode (VOTech framework)**
  - **Implement the ADQL Access and a Basic Skynode**
    - For a restricted number of catalogues in a first time
    - … but the work is done for n catalogues it is easy to do it for 2*n, etc.

- **Implementation case for the next Interop**