VOSpec 6.5: Photometry Services

Jesus Salgado

Jesus.Salgado@sciops.esa.int

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- CDS and NED are the two central repositories of photometric data in astronomy

- Both groups have developed photometry services, i.e. services that allow a geometrical search on catalogs with photometric data, create responses in VOTable format and identify the content by using IVOA DM utypes

- The approach followed has been one service per institution and a cone search like approach

- Due to the importance from the scientific point of view, both services have been integrated in VOSpec

- SSAP and Photometry services results can be combined

Demos

- [Arp 220](#)

- [3c273](#)

Open Issues

- Both institutions have developed close but different interfaces around their data.

- As the utypes used are from IVOA DMs the translation and use has been easy but both services have specific parsers. It would be good to agree a common interface

- The services are not registered. Not clear if this can be done through a Capability approach (as discussed in the past)

- As services are not registered, we are using the VOSpec local registry instances

- Great added value for VOSpec

- Full standardization would be desirable

THANK YOU

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