

# DS5 - Intelligent Resource Discovery

## CDS Proposals for Stage02

# SED construction

- Improve metadata selection/retrieval
  - use IVOA characterization DM for metadata management
  - measurement conversion (units)
- Keep resource retrieval distinct from cross-match
- Feedback on IVOA registry group regarding <interface> management

# SED construction

- Improve prototype tool for homogeneous data extraction
- Prototype tool for next IAU demo
  - resource location + data extraction

# Ontology of object types

- Populate ontology to cover all SIMBAD object types
- Italian effort: hire one person to work full-time on this development
  - link with ontology of UCDs, started in another project (collaboration with IT lab)
  - link with IAU thesaurus
- Thematic meeting in Strasbourg on ontologies on october 25 !

# Object names identification

- Preliminary study for automated extraction of object names from texts
  - Soizick Lesteven + trainee student
- Link with:
  - Use of Dictionary of Nomenclature
  - Ontology of object types
- Further developments:
  - article context analysis + probability of object type given context



# Dictionary of Nomenclature of Celestial Objects



[CDS](#) · [Simbad](#) · [VizieR](#) · [Aladin](#) · [Catalogues](#) · [Nomenclature](#) · [Biblio](#) · [Tutorial](#) · [Developer's corner](#)

(Last CDS update: 09-Sep-2005)

Result of query: info cati MS

Acronym	Use	Format	Year	1st Author	Obj. Type
<a href="#">(LMC M)</a>	[MYM2001]	NNN LMC M HHMMm+DDMM	2001	MIZUNO N.+	CO Cloud
<a href="#">M</a>		M NNN 1-NN	1850	MESSIER C.	(Opt)
<a href="#">M</a>		M 2-NN 3-NN 4-NN	1946	MINKOWSKI R.	PN
<a href="#">M</a>		M NNN	1975	MAFFEI P.	V*
<a href="#">(M)</a>		GCM +LL.l1+BB.bb	1981	GUSTEN R.+	MCId
<a href="#">(M)</a>	[GVC73]	{M} R.N	1973	GIOVANELLI R.+	Concentration
<a href="#">(M)</a>	[H68]	{M} {M} R	1968	HULSBOSCH A.N.M.	HVC
<a href="#">(M)</a>	[M59]	NN	1959	MANOVA G.A.	Em*
<a href="#">(M)</a>	[M61a]	NN	1961	MINKOWSKI R.	G in CIG
<a href="#">(M)</a>	[MAG95]	NNN	1995	MINNITI D.+	GCl
<a href="#">(M)</a>	Mills	HH+(D)A	1952	MILLS B.Y.	(Rad)
<a href="#">(M)</a>	[MLV92]	NNNNNN	1992	MAGNIER E.A.+	*
<a href="#">(M)</a>		MM NN	1965	MORAN M.	(Rad)
<a href="#">(M)</a>		MSH HH+D-NN	1958	MILLS B.Y.+	(Rad)