

Enrique Solano (on behalf of Spanish VO)



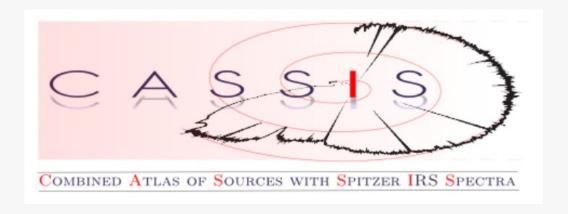


The needs

- "I would like to compare the usage that the astronomical community makes of different VO tools and services."
- "Is your service really useful for the community?" (in front of funding bodies)
- "Give me examples of real VO science cases" (also in front of funding bodies)
- What's after VO schools? Do participants keep using VO?
- Featured VO papers (for the IVOA newsletters)
- Statistics on network traffic and automated queries in ADS using keywords may help..., but can we do it better?.

The problems

in Sibthorpe et al. (2018). We also use Spitzer/IRS spectra from the CASSIS archive (Lebouteiller et al. 2011), where available.



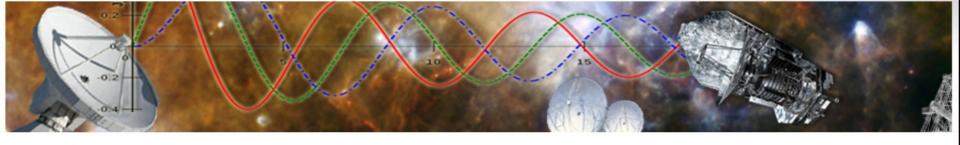




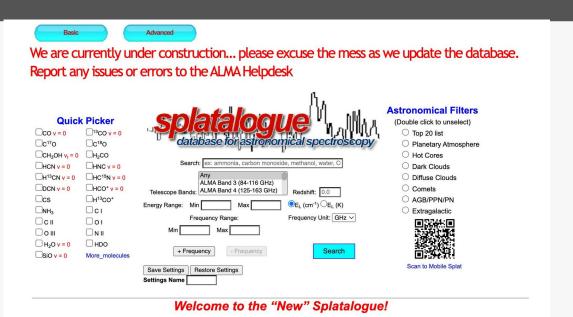


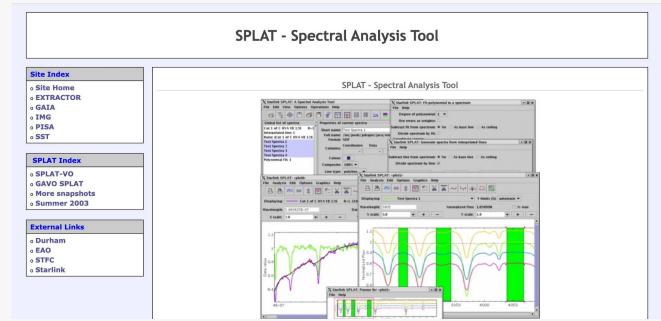






The problems



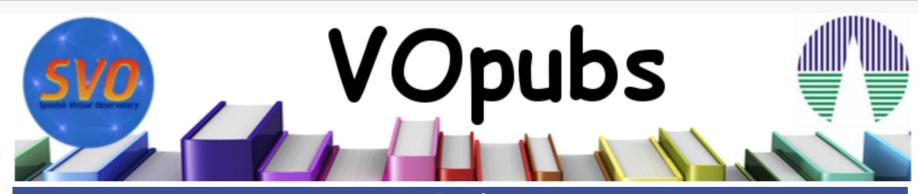


VOPub: How does it work?

- ADS is queried on a monthly basis
 - Journals: A&A, AJ, AN, ApJ, ApJL, ApJS, Icar, MNRAS, PASP
 - Keywords: GAVO, Aladin,Splat, CASSIS, Virtual Observatory, SIMBAD, Vizier, VOSpec, STILTS, Aus-VO, BRAVO, China-VO, Vobs.it, SVO, VAO, VO-iRVO, JVO, Euro-VO, France-VO, CVO, ChiVO, SA3, VOSA,Topcat,NOVA,ESASky, ASVO, Miriade, Skybot, CDS Name resolver, CDS cross match, TAPHandle, NVO, VOSCA, VisIVO, SkyView, TOSS, IMCEE.

Visual inspection by SVO staff

How does it work?



VOpubs

Search by bibcode:	
Search by comment:	(free text)
Only publications without comments	
Search by dates:	
from: January v 2015 v	
to: December v 2022 v	
Submit Reset Form	

 "I would like to compare the usage that the astronomical community makes of the different VO tools and services."

"Is your service really useful for the community?" (in front of funding

bodies)

329 Results

Comment	Number
Use of VO tools: TOPCAT	132
Use of VO tools: Vizier	76
Use of VO tools: SIMBAD	61
Use of VO tools: Aladin	50
Use of VO services: SVO Filter Profile Service.	45
Use of VO tools: VOSA	26
VO project (SVO) acknowledged in the paper.	24
Australian All-Sky Virtual Observatory (ASVO)	11
Use of VO tools: STILTS	10
Use of VO tools: CASSIS	10
Use of VO tools: SkyBot	5
Use of VO tools: ESASky	5
Use of VO services. Theoretical model service provided by SVO.	5
Use of VO services: JVO	4
VO project (GAVO) acknowledged in the paper	4
Use of VO tools: Sky View	4
VO project (JVO) acknowledged in the paper.	4
Use of VO tools: CDS Cross-match	3
VO project (GAVO) acknowledged in the paper. Use of Millenium database.	3
VO project (China-VO) acknowledged in the paper	3
VO project VAO (US Virtual Astronomical Observatory) acknowledged in the paper.	1

How does it work?

Bibcode	Title	author	Comment	Citation
T 4				T 1
2022A&A657A10S		Spezzano, S.;Fuente, A.;Caselli, P.;Vasyunin, A.;Navarro-Almaida, D.;Rodríguez- Baras, M.;Punanova, A.;Vastel, C.;Wakelam, V.	Use of VO tools: CASSIS	-
2022A&A657A.136E		Evans, L.;Fontani, F.;Vastel, C.;Ceccarelli, C.;Caselli, P.;López-Sepulcre, A.;Neri, R.;Alves, F.;Chahine, L.;Favre, C.;Lattanzi, V.	Use of VO tools: CASSIS	-
2022A&A657A.138T	Probabilistic classification of X-ray sources applied to Swift-XRT and XMM-Newton catalogs		Use of VO tools: TOPCAT Use of VO tools: Aladin	2
2022A&A657A27M	A Kepler K2 view of subdwarf A-type stars	Mösenlechner, G.;Paunzen, E.;Pelisoli, I.;Seelig, J.;Stidl, S.;Maitzen, H. M.	Use of VO tools: VOSA	-
2022A&A657A38M	Accreting protoplanets: Spectral signatures and magnitude of gas and dust		Use of VO services. Theoretical model service provided by SVO. Use of VO services: SVO Filter Profile Service.	1
2022A&A657A50G	The peculiar abundances of HE 1005-1439. A carbon-enhanced extremely metal- poor star contaminated with products of both s- and i-process nucleosynthesis		VO project (JVO) acknowledged in the paper. Use of VO tools: SIMBAD	-
2022A&A657A53B	Unveiling wide-orbit companions to K-type stars in Sco-Cen with Gaia EDR3	Bohn, Alexander J.;Ginski, Christian;Kenworthy, Matthew A.;Mamajek, Eric E.;Meshkat, Tiffany;Pecaut, Mark J.;Reggiani, Maddalena;Seay, Christopher R.;Brown, Anthony G. A.;Cugno, Gabriele;Henning, Thomas;Launhardt, Ralf;Quirrenbach, Andreas;Rickman, Emily L.;Ségransan, Damien	Use of VO tools: VOSA Use of VO tools: SIMBAD	
2022A&A657A80A	Phase curves of small bodies from the SLOAN Moving Objects Catalog	Alvarez-Candal, A.;Benavidez, P. G.;Campo Bagatin, A.;Santana-Ros, T.	VO project (SVO) acknowledged in the paper.	-
2022A&A657A9C		Castignani, G.;Combes, F.;Jablonka, P.;Finn, R. A.;Rudnick, G.;Vulcani, B.;Desai, V.;Zaritsky, D.;Salomé, P.	Use of VO tools: Aladin	8
2022A&A658A.109S	Multifilter photometry of Solar System objects from the SkyMapper Southern Survey	Sergeyev, A. V.;Carry, B.;Onken, C. A.;Devillepoix, H. A. R.;Wolf, C.;Chang, SW.	Use of VO tools: TOPCAT Use of VO tools: CDS Cross-match Use of VO tools: STILTS Use of VO services: SVO Filter Profile Service. Use of VO tools: StyBot Australian All-Sky Virtual Observatory (ASVO)	
2022A&A658A.131Z		Zhou, Chenlin;Vastel, Charlotte;Montillaud, Julien;Ceccarelli, Cecilia;Demyk, Karine;Harju, Jorma;Juvela, Mika;Ristorcelli, Isabelle;Liu, Tie	Use of VO tools: CASSIS	-
2022A&A658A.133G	Near-infrared transmission spectrum of TRAPPIST-1 h using Hubble WFC3 G141 observations	Gressier, A.;Mori, M.;Changeat, Q.;Edwards, B.;Beaulieu, J. P.;Marcq, E.;Charnay, B.	Use of VO services. Theoretical model service provided by SVO.	2
2022A&A658A.138G	A multi-planetary system orbiting the early-M dwarf TOI-1238	González-Álvarez, E.;Zapatero Osorio, M. R.;Sanz-Forcada, J.;Caballero, J. A.;Reffert, S.;Béjar, V. J. S.;Hatzes, A. P.;Herrero, E.;Jeffers, S. V.;Kemmer, J.;López-González, M. J.;Luque, R.;Molaverdikhani, K.;Morello, G.;Nagel, E.;Quirrenbach, A.;Rodríguez, E.;Rodríguez-López, C.;Schlecker, M.;Schweitzer, A.;Stock, S.;Passegger, V. M.;Trifonov, T.;Amado, P. J.;Baker, D.;Boyd, P. T.;Cadieux, C.;Charbonneau, D.;Collins, K. A.;Doyon, R.;Dreizler, S.;Espinoza, N.;Fűrész, G.;Furlan, E.;Hesse, K.;Howell, S. B.;Jenkins, J. M.;Kidwell, R. C.;Latham, D. W.;McLeod, K. K.;Montes, D.;Morales, J. C.;O'Dwyer, T.;Pallé, E.;Pedraz, S.;Reiners, A.;Ribas, I.;Quinn, S. N.;Schnaible, C.;Seager, S.;Skinner, B.;Smith, J. C.;Schwarz, R. P.;Shporer, A.;Vanderspek, R.;Winn, J. N.	Use of VO tools: VOSA	1

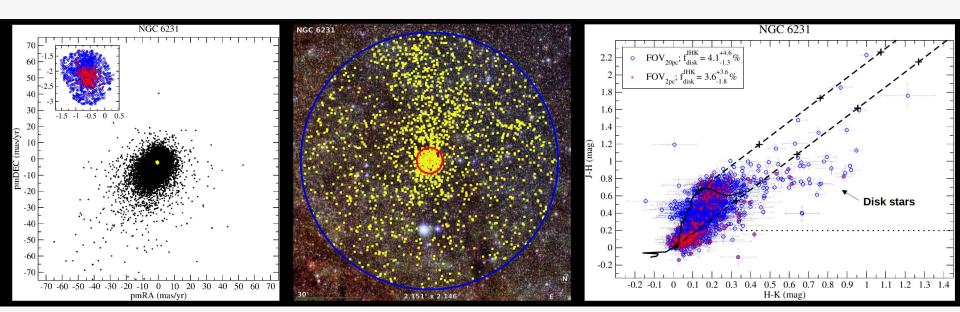
 "Give me examples of real VO science cases" (also in front of funding bodies)

A&A 664, A66 (2022) https://doi.org/10.1051/0004-6361/202243146 © I. Mendigutía et al. 2022



Gaia EDR3 comparative study of protoplanetary disk fractions in young stellar clusters*

I. Mendigutía¹, E. Solano^{1,2}, M. Vioque^{3,4}, L. Balaguer-Nuñez⁵, A. Ribas⁶, N. Huélamo¹, and C. Rodrigo^{1,2}



What's after VO schools? Do participants keep using VO?



ABSTRACT

We present an optical to near-infrared (NIR) selected astronomical catalogue covering 1270 deg². This is the first attempt to systematically combine data from 23 of the premier extragalactic survey fields – the product of a vast investment of telescope time. The fields are those imaged by the *Herschel Space*

Featured VO papers (for the IVOA newsletters)

A&A 658, A109 (2022) https://doi.org/10.1051/0004-6361/202142074 © A. V. Sergeyev et al. 2022



Multifilter photometry of Solar System objects from the SkyMapper Southern Survey*

A. V. Sergeyev^{1,7}, B. Carry¹, C. A. Onken^{2,3}, H. A. R. Devillepoix⁴, C. Wolf^{2,3}, and S.-W. Chang^{2,5,6}

2022A&A...658A.109S

Multifilter photometry of Solar System objects from the SkyMapper Southern

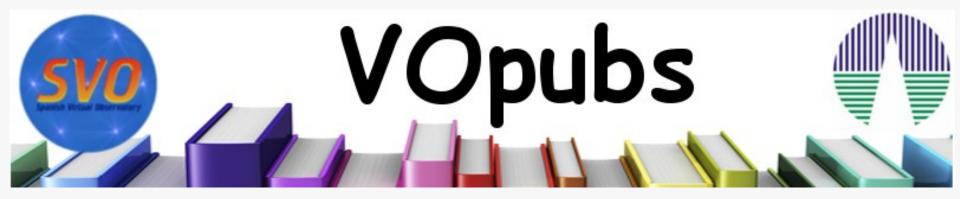
Sergeyev, A. V.; Carry, B.; Onken, C. A.; Devillepoix, H. A. R.; Wolf, C.; Chang, S. -W.

Use of VO tools: TOPCAT
Use of VO tools: CDS Cross-match
Use of VO tools: STILTS

Use of VO services: SVO Filter Profile Service.

Use of VO tools: SkyBot

Australian All-Sky Virtual Observatory (ASVO)



https://sdc.cab.inta-csic.es/vopubs/