

Spanish Virtual Observatory (SVO)

- *IVOA member since 2004.*
- *Coordination of VO activities in Spain.*
- *Four major lines of work:*
 - *VO compliance of astronomical archives.*
 - *Development of VO tools.*
 - *VO-science.*
 - *Education & Outreach.*



<http://svo.cab.inta-csic.es>



International Virtual Observatory Alliance

Credit: X-ray: NASA/CXC/CfA/R. Tullmann et al.; Optical: NASA/AURA/STScI

Astronomical archives

We host the largest VO data centre managed by a Spanish institution.



VO-science

VO project providing the largest number of VO-science papers.

Discovery of wide low and very low-mass binary systems using Virtual Observatory tools

M. C. Gálvez-Ortiz, E. Solano, N. Lodieu, M. Aberasturi

Monthly Notices of the Royal Astronomical Society, Volume 466, Issue 3, 21 April 2017,

A search for new hot subdwarf stars by means of virtual observatory tools II

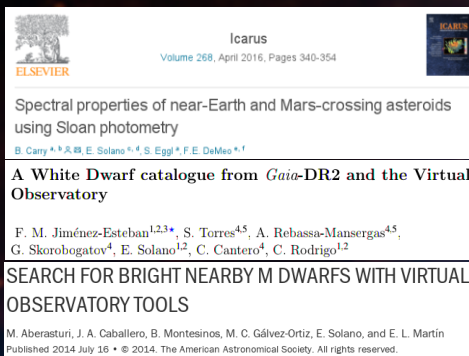
E. Pérez-Fernández, A. Ulla, E. Solano, R. Oreiro, C. Rodrigo

Monthly Notices of the Royal Astronomical Society, Volume 457, Issue 3, 11 April 2016, Pages 3396–3408, <https://doi.org/10.1093/mnras/stw200>

Estimates of the atmospheric parameters of M-type stars: a machine-learning perspective

L M Sarro, J Ordieres-Meré, A Bello-García, A González-Marcos, E Solano

Monthly Notices of the Royal Astronomical Society, Volume 476, Issue 1, 1 May 2018, Pages 1120–1139, <https://doi.org/10.1093/mnras/sty165>



And many more....

VO tools

We develop VO tools and services for data publishing and data analysis.



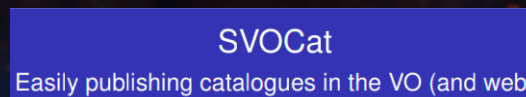
Stellar parameters from SED fitting.

Clusterix 2.0

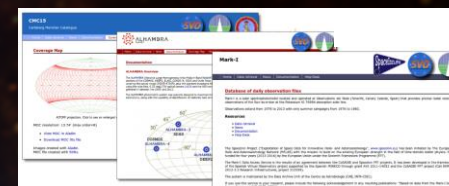
Stellar cluster membership probability.



Data discovery in VO archives.



Easily publishing catalogues in the VO (and web)



Education and Outreach

- Liaison with Universities.
- VO-schools.
- Citizen-science.



International Virtual Observatory Alliance