

# The **ESO Libraries**: Your Gateway to Information

**Uta Grothkopf, Silvia Meakins & Maria Eugenia Gómez**

ESO Libraries Garching and Santiago



First, some **stereotypes**.







Libraries are **more than book repositories.**

Research has gone **digital**.



NASA ADS



arXiv.org



Google





Do we still **need** libraries?

Let's explore the **ESO Libraries**.



ESO - ESO Libraries Resources

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11 Aug 2013

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- Science Activities
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  - Libraries Catalog
  - Library Self Checkout
  - Electronic Journals
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  - ESO Telescope Bibliography
  - Information resources
  - Publications
  - Job Opportunities

**Latest News**

A new research repository has been announced: [Zenodo](#) which has been created through funds from the European Commission's Framework Programm 7 (FP7).

The intention of Zenodo is to provide a platform that allows researchers to share and showcase multidisciplinary research results including publications and especially data which are not part of the existing institutional or subject-based repositories currently available.

The announcement, posted on isgw (international science grid this week), can be found [here](#)

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[Basic ESO publication statistics \(pdf\)](#)  
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**Did you know...**

...that we have institution-wide access to this resource?

 [Astrophysics and Space Science Library \(ASSL\)](#)

**Library Garching Upper Floor**



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**Need help?**

**Garching**  
[library@eso.org](mailto:library@eso.org)  
 Uta Grothkopf, phone: +49 89 320 06-280  
 Silvia Meakins, phone: +49 89 320 06-775

**Santiago**  
 Maria Eugenia Gomez, phone: +56-2-463 3153

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**Library Santiago Upper Floor**

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[library@eso.org](mailto:library@eso.org)  
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**Santiago**  
[Maria Eugenia Gomez, phone: +56-2-463 3153](#)

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ImpactStory.



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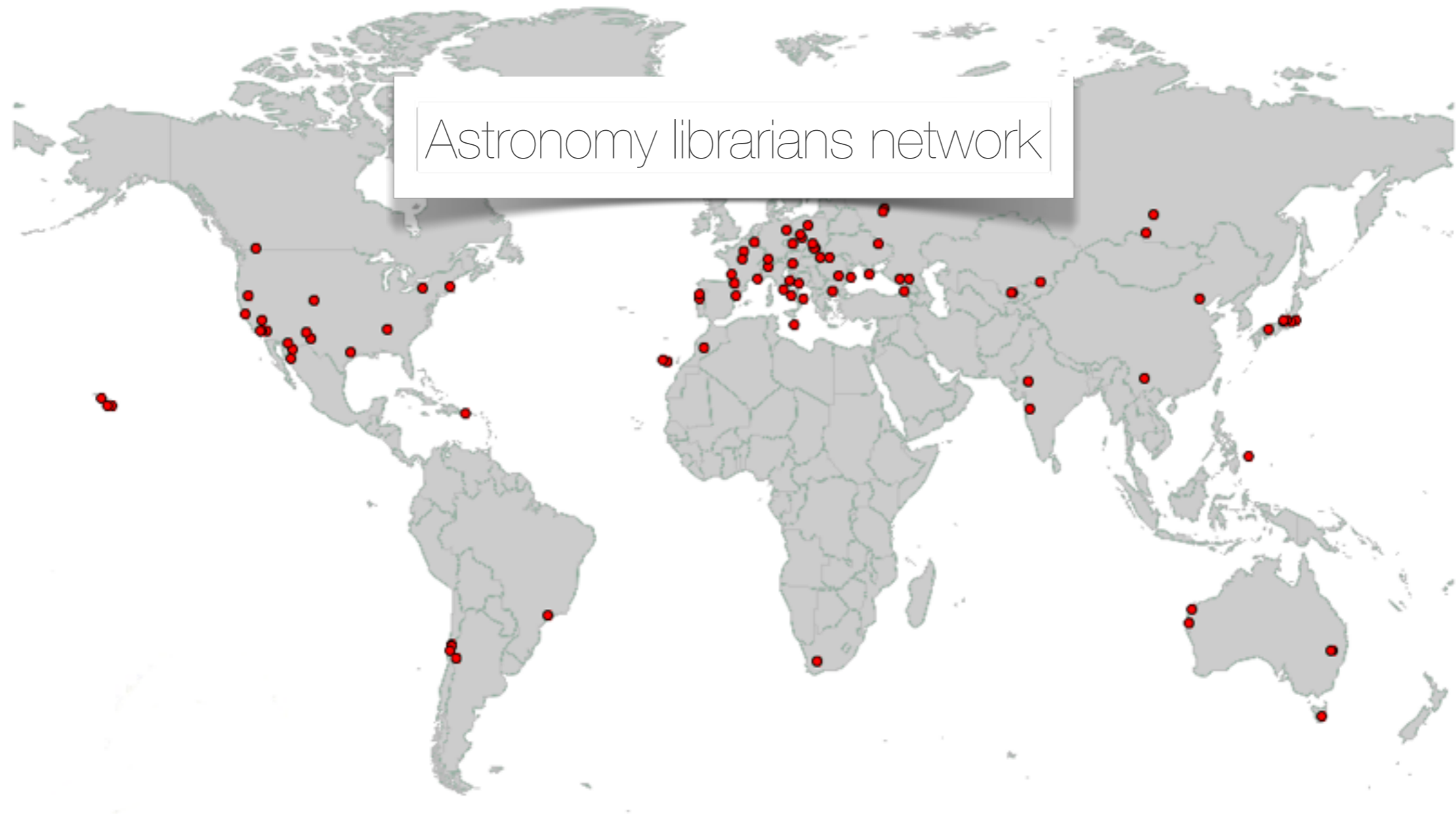




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Developments in publishing and research



LISA  
LISA

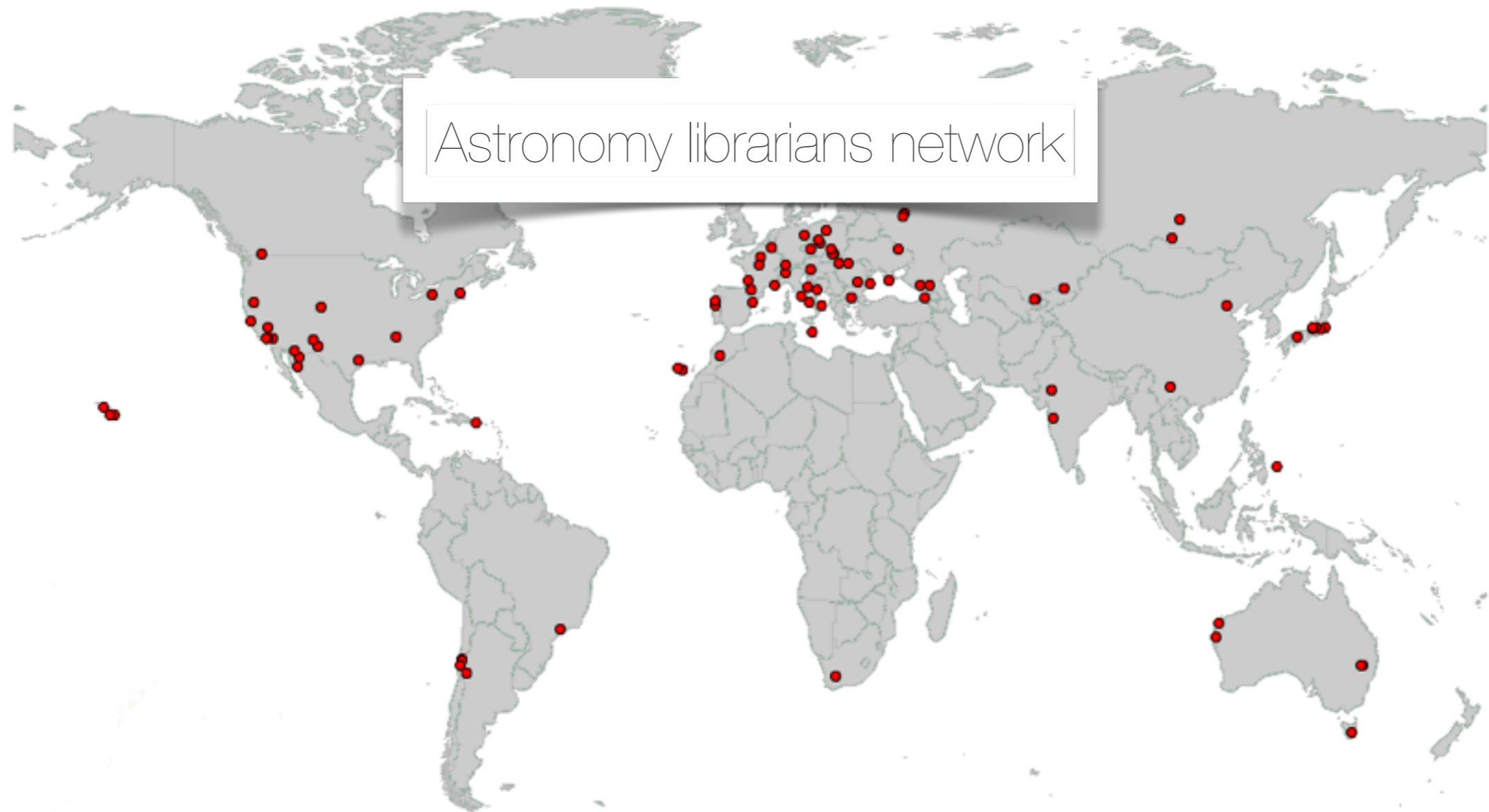
Library and Information Services in  
Astronomy



IAU WG Libraries

Special Libraries Association





“Librarians don’t need to know the answer, they need to **know where to find** it.”

LISA  
LISA

Library and Information Services in  
Astronomy



IAU WG Libraries

Special Libraries Association





Access to print & electronic information



Developments in publishing and research



Joint knowledge, projects, and ideas

Take a break



Scientists' morning coffee

Students' sessions

Formal and informal meetings

Reading & info area







Access to print & electronic information



Developments in publishing and research



Joint knowledge, projects, and ideas



Library as a Space

Anything beyond that?



# ESO Telescope Bibliography ([telbib.eso.org](http://telbib.eso.org))



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**Last Resort**

- » [Insert](#)
- » [Manual](#)

**Current Query**

User: Uta  
 Query Date: 2012-03-03 17:04:31  
 Journals Searched:  
 Query Link: [http://adsabs.harvard.edu/cgi-bin/nph-abs\\_connect?...](http://adsabs.harvard.edu/cgi-bin/nph-abs_connect?...)  
 Dates Searched: 0000-00-00 - 0000-00-00  
 Notes: Dates Searched: 2012-01-13 - 2012-01-20  
 Records Searched: 1  
 Keywords found: 11

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 Export Records

ID#	Status	Search	Record/Keyword(s)	LookInside	Online	Delete	Debug
88795		Not Included	<b>2012MNRAS.420..346G</b> <i>Gruel, N.</i> <b>Stellar velocity dispersion of luminous compact galaxies at intermediate redshift</b> Monthly Notices of the Royal Astronomical Society, Volume 420, Issue 1, pp. 346-351.	88795.txt	PDF/HTML	<input type="checkbox"/>	debug

"00) spectrograph FORS1 and FORS2 on the VLT /Kuyen telescope. The spectra revealed some strong a"

" the velocity field for some LCGs using GIRAFFE at the VLT. However, because of the small appar"


"hs for a handful of LCGs, measured with ISAAC at the VLT (Tresse et al. 2002), show a `double h"

" observed 22 of these galaxies with the FORS /R600 and I600 spec- trograph at the European South"

"ion (R > 600) spectrograph FORS 1 and FORS 2 on the VLT/Kuyen telescope. The spectra revealed "

"te resolution (R > 600) spectrograph FORS 1

# ESO Telescope Bibliography (telbib.eso.org)



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1st  Author:  Affiliation:  Country:  ESOSite:

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Journal:  Volume:  Pages:  ESO Author:

(From) Pub Month/Year:   (To) Pub Month/Year:

Title:  Private Comment:

ESO Program:  Partner:  Type:  Mode: Visitor  Service  Any

Number of ESO ProgramIDs: >  =   no ProgramID

Date Entered  Since    2012  Before    2012

Made Public:  Yes,  Yes Non-ESO APEX,  Yes Non-ESO ALMA,  Yes PressRelease,  Yes All,  No

Refereed:  Yes,  No,  Both

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- :VISTA
- ::VIRCAM
- :VLT
- ::CRIRES
- ::FLAMES-GIRAFFE
- ::FLAMES-UV
- ::FORS1
- ::FORS2
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- ::NACO
- ::SINFONI
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- ::UVES
- ::VIMOS
- ::VISIR
- ::X-SHOOTER
- :VLT visitor
- ::ULTRACAM\_VLT
- :VLTi
- ::AMBER
- ::GRAVITY+MATISSE\_notyetpublic
- ::MIDI
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AND  OR

All VLT archive papers; other VLT as well as Chajnantor + LS papers since pubyr 2011:

Archive (in combination with instrument or any program info)

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**Edit Paper**

PaperID: 47709 BibCode:  [View ADS](#) | [View telbib](#)  
Bibliographic info: ApJ, vol. 767, pp. 88- (4/2013)  
CitationCount: 9 | Reads: 288

Title:

ADSKeywords:  
cosmology: observations, early universe, galaxies: evolution, galaxies: high-redshift, ISM: molecules

Public Comment:

URL:

[\[-\] Less Information](#)

List of Programs

ID	Mode	Part	Type	Instrument	Archive	Del
2011.0.00957.S	sm	Europe	Standard	ALMA_Bands	N	<input type="checkbox"/>
088.A-0902	sm	-	Normal	FORS2	N	<input type="checkbox"/>
086.A-0793	vm	ESO	Normal	Z-Spec	N	<input type="checkbox"/>
086.A-1002	sm	ESO	Normal	SABOCA	N	<input type="checkbox"/>
087.A-0815	sm	ESO	Normal	Z-Spec	N	<input type="checkbox"/>
087.A-0968	sm	ESO	Normal	SABOCA	N	<input type="checkbox"/>
Max-Planck data	sm	MPG	Any	LABOCA	N	<input type="checkbox"/>
		-	Any	-	N	<input type="checkbox"/>

Additional tags: [Add/Edit](#)  
Staff+Instr    
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OR

**Author(s): (Add/Edit/List/Delete)**  
1.) Weiß, A.; 2.) De Breuck, C.; 3.) Marrone, D. P.; 4.) Vieira, J. D.; 5.) Aguirre, J. E.; 6.) Aird, K. A.; 7.) Aravena, M.; 8.) Ashby, M. L. N.; 9.) Bayliss, M.; 10.) Benson, B. A.; 11.) Béthermin, M.; 12.) Biggs, A. D.; 13.) Bleem, L. E.; 14.) Bock, J. J.; 15.) Bothwell, M.; 16.) Bradford, C. M.; 17.) Brodwin, M.; 18.) Carlstrom, J. E.; 19.) Chang, C. L.; 20.) Chapman, S. C.; 21.) Crawford, T. M.; 22.) Crites, A. T.; 23.) de Haan, T.; 24.) Dobbs, M. A.; 25.) Downes, T. P.; 26.) Fassnacht, C. D.; 27.) George, E. M.; 28.) Gladders, M. D.; 29.) Gonzalez, A. H.; 30.) Greve, T. R.; 31.) Halverson, N. W.; 32.) Hezaveh, Y. D.; 33.) High, F. W.; 34.) Holder, G. P.; 35.) Holzapfel, W. L.; 36.) Hoover, S.; 37.) Hrubes, J. D.; 38.) Husband, K.; 39.) Keisler, R.; 40.) Lee, A. T.; 41.) Leitch, E. M.; 42.) Lueker, M.; 43.) Luong-Van, D.; 44.) Malkan, M.; 45.) McIntyre, V.; 46.) McMahon, J. J.; 47.) Mehl, J.; 48.) Menten, K. M.; 49.) Meyer, S. S.; 50.) Murphy, E. J.; 51.) Padin, S.; 52.) Plagge, T.; 53.) Reichardt, C. L.; 54.) Rest, A.; 55.) Rosenman, M.; 56.) Ruel, J.; 57.) Ruhl, J. E.; 58.) Schaffer, K. K.; 59.) Shirokoff, E.; 60.) Spilker, J. S.; 61.) Stalder, B.; 62.) Staniszewski, Z.; 63.) Stark, A. A.; 64.) Story, K.; 65.) Vanderlinde, K.; 66.) Welikala, N.; 67.) Williamson, R.;

First Author:

ESO Key :

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 Staff+Instr  
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Press Release

Instr. + pro IDs

Other tags

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2011.0.00957.S	sm	Europe	Standard	ALMA_Bands	N	<input type="checkbox"/>
088.A-0902	sm	-	Normal	FORS2	N	<input type="checkbox"/>
086.A-0793	vm	ESO	Normal	Z-Spec	N	<input type="checkbox"/>
086.A-1002	sm	ESO	Normal	SABOCA	N	<input type="checkbox"/>
087.A-0815	sm	ESO	Normal	Z-Spec	N	<input type="checkbox"/>
087.A-0968	sm	ESO	Normal	SABOCA	N	<input type="checkbox"/>
Max-Planck data	sm	MPG	Any	LABOCA	N	<input type="checkbox"/>
		-	Any	-	N	<input type="checkbox"/>

Additional tags: [Add/Edit](#)  
Staff+Instr ✕  
:PressRelease ✕

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### DETAILED INFORMATION

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Title	<b>ALMA Redshifts of Millimeter-selected Galaxies from the SPT Survey: The Redshift Distribution of Dusty Star-forming Galaxies</b>
Keywords	cosmology: observations, early universe, galaxies: evolution, galaxies: high-redshift, ISM: molecules
Abstract	<a href="#">show abstract</a>
Publication details	ApJ, 2013, vol. 767, p. 88-
BibCode	2013ApJ...767...88W
Fulltext (via ADS)	<a href="#">ADS</a>
Citations (from ADS)	9  17
Further information	<a href="http://www.eso.org/public/news/eso1313/">http://www.eso.org/public/news/eso1313/</a> (Press Release)
Instrument(s)	ALMA_Bands, FORS2, LABOCA, SABOCA, Z-Spec
Telescope(s)	ALMA, APEX, PressRelease, VLT
Site(s)	Chajnantor , Paranal , Staff+Instr , Surveys+PRs
ProgramID(s)	2011.0.00957.S (access to data), ALMA-Partner: Europe 086.A-0902 (access to data) 086.A-0793 (access to data), APEX-Partner: ESO 086.A-1002 (access to data), APEX-Partner: ESO 087.A-0815 (access to data), APEX-Partner: ESO 087.A-0968 (access to data), APEX-Partner: ESO Max-Planck data, APEX-Partner: Max-Planck

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Author(s)	WeiB, A.; De Breuck, C.; Marrone, D. P.; Vieira, J. D.; Aguirre, J. E.; Aird, K. A.; Aravena, M.; Ashby, M. L. N.; Bayliss, M.; Benson, B. A.; Béthermin, M.; Biggs, A. D.; Bleem, L. E.; Bock, J. J.; Bothwell, M.; Bradford, C. M.; Brodwin, M.; Carlstrom, J. E.; Chang, C. L.; Chapman, S. C.; Crawford, T. M.; Crites, A. T.; de Haan, T.; Dobbs, M. A.; Downes, T. P.; Fassnacht, C. D.; George, E. M.; Gladders, M. D.; Gonzalez, A. H.; Greve, T. R.; Halverson, N. W.; Hezaveh, Y. D.; High, F. W.; Holder, G. P.; Holzapfel, W. L.; Hoover, S.; Hrubes, J. D.; Husband, K.; Keisler, R.; Lee, A. T.; Leitch, E. M.; Lueker, M.; Luong-Van, D.; Maikán, M.; McIntyre, V.; McMahon, J. J.; Mehl, J.; Menten, K. M.; Meyer, S. S.; Murphy, E. J.; Padin, S.; Plagge, T.; Reichardt, C. L.; Rest, A.; Rosenman, M.; Ruel, J.; Ruhl, J. E.; Schaffer, K. K.; Shirokoff, E.; Spilker, J. S.; Staider, B.; Staniszewski, Z.; Stark, A. A.; Story, K.; Vanderlinde, K.; Welikala, N.; Williamson, R.
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BibCode	2013ApJ...767...88W
Fulltext (via ADS)	<a href="#">ADS</a>
Citations (from ADS)	9 <a href="#">Altimetric</a> 17
Further information	<a href="http://www.eso.org/public/news/eso1313/">http://www.eso.org/public/news/eso1313/</a> (Press Release)
Instrument(s)	ALMA_Bands, FORS2, LABOCA, SABOCA, Z-Spec
Telescope(s)	ALMA, APEX, PressRelease, VLT
Site(s)	Chajnantor , Paranal , Staff+Instr , Surveys+PRs
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data



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Publication details	ApJ, 2013, vol. 767, p. 88-
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Fulltext (via ADS)	ADS → fulltext
Citations (from ADS)	9 altmetric.com 17
Further information	http://www.eso.org/public/news/eso1313/ (Press Release) ESO PR
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telbib reports, metrics and visualizations

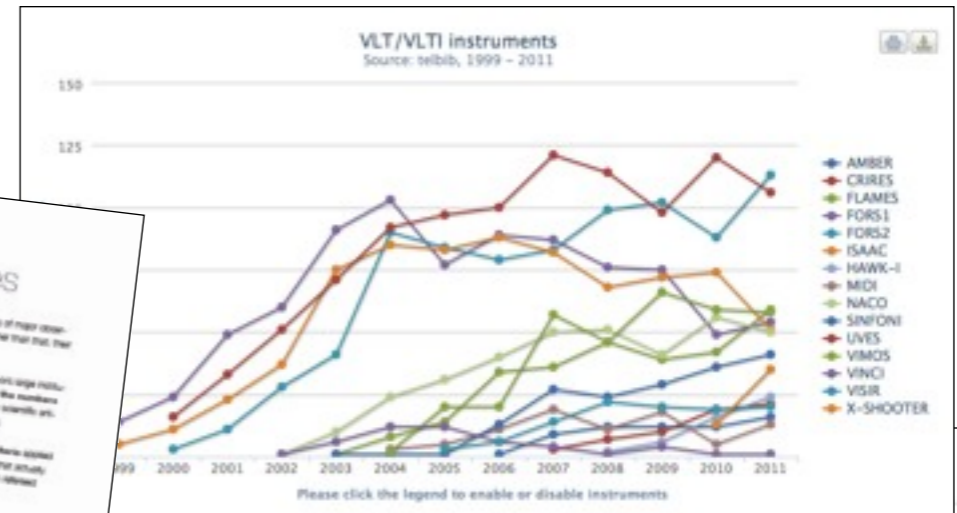
# telbib reports, metrics and visualizations

### telbib Publication Statistics Overview

ESO publication statistics are derived from the Telescope Bibliography (telbib), a database of refereed papers that directly use ESO data. For further information, see also the document on Basic ESO Publication Statistics which is available from the ESO Libraries homepage.

Publication statistics given in the table below are linked to the corresponding papers in telbib.

Year	VLT / VLTI	LSP others	Non-ESO tel
1996		349	
1997		388	
1998		405	
1999	29	324	
2000	52	300	
2001	105	316	
2002	157	289	
2003	200	300	
2004	342		
2005	380		
2006	414		
2007	494	31	
2008	486	289	
2009	471	267	
2010	508	277	
2011	552	280	
2012	614	276	
Total 1996-2012	4,844	1,284	



### Publications

ESO publication statistics are derived from the Telescope Bibliography (telbib), a database of refereed articles that directly use ESO data. Total is maintained by the ESO Library, which provides some basic statistics to give an overview of publications and citations for the publication years 1996-2011.

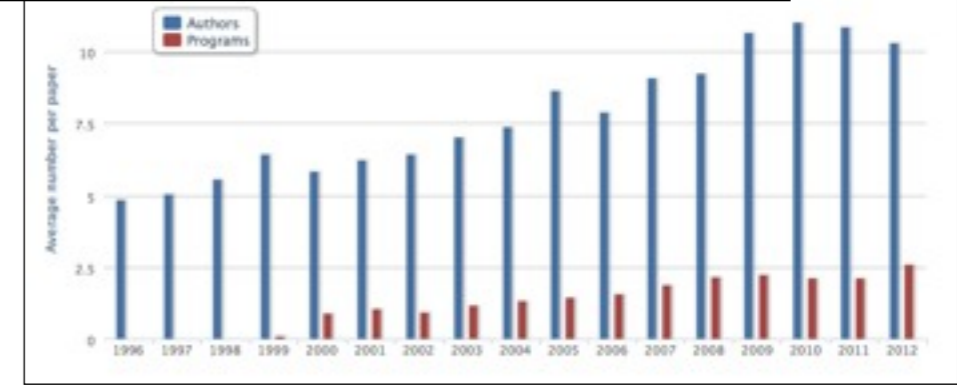
Fig. 1: Refereed papers using ESO data

Notes:

- MULTI papers using data generated by VLT and VLTI instruments, including visitor instruments for which observing time is recommended by the ESO CPC (Observing Programmes Office), e.g. VLT LIRAGAL, VLT PROMIS.
- Other LSP facilities: Papers using data generated by other facilities of the La Silla Paranal Observatory and other sites, including visitor instruments for which observing time is recommended by the ESO CPC (e.g. NTT, AAT, Anglo-Argentine Telescope, etc.). Papers based on data from non-ESO telescopes or observations obtained during 'private periods' are not included.
- Observer papers: Papers using data generated by VLT and VLTI instruments, including visitor instruments for which observing time is recommended by the ESO CPC (e.g. APEX, AAT, Anglo-Argentine Telescope, etc.). Papers based on data from non-ESO telescopes or observations obtained during 'private periods' are not included.

Table 1: Number of refereed papers using ESO data

Year	VLT / VLTI	LSP others	Observer	Total
1996		349	0	349
1997		388	0	388
1998		405	0	405
1999	29	324	0	353
2000	52	300	0	352
2001	105	316	0	421
2002	157	289	0	446
2003	200	300	0	500
2004	342			342
2005	380			380
2006	414			414
2007	494	31	12	537
2008	486	289	1	776
2009	471	267	1	739
2010	508	277	1	786
2011	552	280	1	833
2012	614	276	1	891
Total 1996-2012	4,844	1,284	25	6,153



### Chajnantor

ESO is a collaboration between the Member States for the purpose of building and operating the Very Large Telescope (VLT) and the Very Large Telescope Interferometer (VLTI) at the Paranal Observatory in Chile. The observatory is located on Cerro Paranal, 2635 m above sea level, in the Atacama Desert, 110 km from Antofagasta, Chile.

More than 10 000 articles from selected astronomy journals (A&A, A&AS, AJ, ApJ, ApJS, AN, ARA&A, EM&P, E&A, Icar, MNRAS, Nature, NewA, NewIR, PASP, PASP, PASP and Science) were screened during 2012 in order to identify those that use data from ESO telescopes and instruments to achieve new scientific results. Approximately 8% of the papers qualified for inclusion in telbib.

The VLT/VLTI provided data for 614 peer-reviewed papers. This repeats the strong increase in the number of papers that could be seen in 2010 and 2011 (see top right figure) and suggests that a plateau has not yet been reached. With an average number of approximately 17%, the fraction of papers based on archival VLT/VLTI data was fairly stable during the years 2006-2011. In 2012, this number increased considerably. A quarter of the 614 papers (154 publications) used exclusively or partly (i.e., in combination with non-ESO observations) data retrieved from the ESO archive. Forty percent of these archival papers (64 out of 154) were based on ESO data products (http://archive.eso.org/tom/eso-data-eso-data-products.html). Among them, the GOODS survey played a special role as it provided data for 36 papers (almost 24% of all VLT/VLTI archival papers in 2012).

La Silla's research output has remained stable during the past ten years, as illustrated by the 276 papers published in 2012 based on data obtained at that observing site. This number includes only papers using data obtained at La Silla facilities for which observing time is recommended by the ESO Observing Programmes Committee (CPC); non-ESO telescopes or observations obtained during 'private periods' are not included.

ESO's survey telescope, VISTA, VIRCAM camera, has produced papers based on regular observations since 2011. In the past year, 30 papers were published, mostly using data from the VVV, VIRCAM, VMC, UltraVISTA and VIDEO surveys.

Scientific results using data from APEX led to 66 refereed publications, including



### ESO staff papers 03/2012

Papers added recently to the ESO Telescope Bibliography, maintained by the library

Subscribe to the ESO telbib RSS feed

Cosmology | Interstellar Medium, Star Formation and Planetary Systems | Stellar Evolution | Papers without ESO data

### 10 Latest Added ESO Papers

First Author	Title	Instrument	ProgramID	BibCode
1. Imanishi, Masatoshi	High-density Molecular Gas Properties of the Starburst Galaxy NGC 1614 Revealed with ALMA	ALMA_Bands	2011.0.00020.5	2013AJ...146..471
2. Drake, Alyssa B.	Evolution of star formation in the LKIDSS Ultra Deep Survey field - I. Luminosity functions and cosmic star formation rate out to $z = 1.6$	VIRCAM	285.A-5033	2013MNRAS.433..796D
3. Faedi, F.	Lucky imaging of transiting planet host stars with LuckyCam	NACO	085.C-0558	2013MNRAS.433.2091F
4. Tsantaki, M.	Deriving precise parameters for cool solar-type stars. Optimizing the iron line list	HARPS	072.C-0488	2013A&A...555A.150T
5. Smart, R. L.	MPARSEC: NTT Parallaxes of Southern Extremely Cool objects. Goals, targets, procedures and first results	SOFI	186.C-0756	2013MNRAS.433.2054S
6. Bonnettoy, M.	The near-infrared spectral energy distribution of $\beta$ Pictoris b	NACO	073.D-0634, 076.C-0339, 078.C-0472, 084.C-0739, 085.D-0625, 088.C-0358, 090.C-0653, 184.C-0587	2013A&A...555A.107B
7. Sustrainer, A.	Determination of the far-infrared dust opacity in a prestellar core	HAWK-I, SOFI	075.C-0748, 077.C-0682, 083.C-0079	2013A&A...555A.140S
8. Inserra, C.	Moderately luminous Type II supernovae	EFOSC2_2.2, EFOSC2_3.6, EFOSC2_NTT, SOFI	184.D-1140	2013A&A...555A.142I
9. del Pino	Spatial dependence of the star formation history	FORS1	65.N-0442	2013MNRAS.433.1505D



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Provide metrics to support

- ▶ measure ESO's scientific output
- ▶ evaluate performance of facilities
- ▶ put ESO in context with other observatories
- ▶ define guidelines for future facilities

# telbib policies and methodology

European Southern Observatory

ESO — Reaching New Heights in Astronomy

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Science Users Information > Observing with ESO Telescopes > Policies and Procedures > Publications with ESO Data

13 Aug 2013

### Publications based on ESO Data

Publications based on observations collected at the ESO La Silla Paranal Observatory should mention in a footnote on the first page "Based on observations collected at the European Organisation for Astronomical Research in the Southern Hemisphere, Chile" including the corresponding observing proposal which should clearly be identified by its ESO number (example: 072.A-0555).

The footnote shall be included regardless of the observing mode (visitor/service), the programme type (Normal, ToO, Guaranteed Time, Large, DDT) and whether these are new observations or data obtained from the ESO Archive.

Please notify Uta Grothkopf at [esodata@eso.org](mailto:esodata@eso.org) upon acceptance or publication of a paper based on ESO data, including the bibliographic reference (article title, authors, journal title, volume, year, pages) and the program IDs of the data used.

**ESO Director for Science**



### Advanced Data Products Query Form

Help Page Status of Requests Raw Data Query Form FAQ ESO Archive Home

This form enables searching among several collections of imaging and spectroscopic Advanced Data Products (ADPs), based on any number of constraints to be specified in the fields below. Data products include a number of ESO programs (listed in the ADP summary table).

Feb 2011 - HARPS and FEROS: Please note that ESO internally reprocessed HARPS and FEROS data are available from a dedicated query form.

Oct 2013 - UVES: Previously published reprocessed UVES data are now obsolete and have been disabled. For questions please contact [archive@eso.org](mailto:archive@eso.org). Please find newly reduced science UVES data via the Phase 3 spectral query form.

**Target / Name Resolver / Coordinates**

Name  Resolved by SIMBAD

RA (J2000)  Hours

DEC (J2000)

Search Box  00 10 00 00 mm ss

List of Targets  No file selected.

**Data Collection / Observing Programme**

Project Title  Search Tips

PI Name

Prog ID  PPHC-NNN(R)

Date Start  12 h  End

**Target Properties**

Primary Name  Search Tips

Primary Class  Search Tips

Redshift  Search Tips

Quality Flag  Search Tips

Radial Velocity  Search Tips  [km/s]

S/N Ratio  Search Tips

**Instrument Setup**

Instrument  Any Search Tips

General Mode  Select a Mode

Detailed Mode  No Mode Selected

Filter / Grism  No Instr./Mode Selected

Slit Width  Search Tips

Slit Rotation  Search Tips

Exposure Time  Search Tips

Ref. Wavel.  Search Tips

Show all columns in the tabular output

Output Preferences for Query Results

Format:  HTML table  VOTable

Return a maximum of  rows

Sort by  Order



## Astrobib

A forum for curating observatory bibliographies

(incl. HST, Gemini, Subaru, NRAO, Spitzer, a.o.)





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Provide metrics to support

- ▶ measuring ESO's scientific output
- ▶ evaluate performance of facilities
- ▶ put ESO in context with other observatories
- ▶ define guidelines for future facilities



Coordination with other bibliography curators

Conclusions

Libraries provide access to **content**.



Libraries develop and maintain **tools**.



Libraries support **research.**



Libraries are **service** entities.



Come **in** and find **out**.



Uta, Silvia, Maria Eugenia

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