Welcome to

ASDC Bibliography tool.

The activities of storage, analysis and publication of existing data constitutes a crucial part of the programs of astrophysics, cosmology and planetary exploration and are therefore considered to be a top priority.

To ensure archiving, data distribution and specialist support to the scientific community the Italian Space Agency (ASI) has established The ASI Science Data Center, ASDC.

The ASDC is a Scientific Center dedicated to Multi-Mission and Multi-band data management, able to provide to the Italian and International Astrophysics community tools to explore and analyze data in different energy bands, also allowing on-line scientific analysis of comparative Astronomy multi-mission.

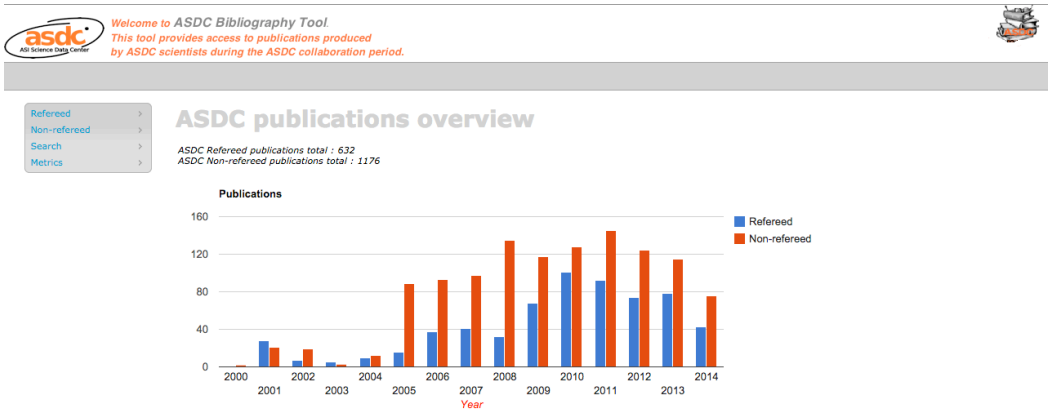
In the current scenario, where more and more attention is dedicated to the institutional policies that promote open access to scientific publications, the ASDC has decided to develop and operate a digital archive of literature produced by ASDC staff and open this archive to the users enabling the access from the Center main website .

This archive contains scientific and technical papers (refereed and non-refereed) of the ASDC staff, associated to various missions or projects, and of those produced in collaboration with other institutes or organizations.

This tool is for public utility, and it is committed to all those who are interested in learning about existing ASDC publications from its foundation in November 2000 to the present.

The tool can be accessed from the Center main website using the link "Bibliography ASDC Tool" or directly following the URL:

http://publications.asdc.asi.it/overview



In the overview page the ASDC publications the histogram of the ASDC publications per year grouped by refereed and non-refereed publications is available (Refereed: blue; non-refereed: red). The histogram allows a first selection of publications double clicking the section desired.

The same list can be obtained by selecting the type of publication (Refereed or non-refereed) by the first two buttons on the left of the screen (main Menu) and selecting

the year of publication by choosing in the drop-box menu.

In the list, that is presented in ascending order of month / year, a more redefined selection can be applied through the "search list" that allows to search for the publication year, journals, authors or keywords. The users publications meta information (biblicode, DOI, authors, title) can be exported in pdf format via the button "Export as Pdf".

By selecting the menu item "Search" you can instead look across the totality of the publications in the tool, specifying whether it is a refereed or non-refereed publication (see: check box), a special publication through the unique identifier Bibliographic code or the DOI and/or a list of publications selecting Author, Mission, Journal. In all search pages a time period selection is available. A research can be done using pattern expressed with regular expressions, option reported in the page of the search mask when implemented.

The field "Biblicode" of a publication is a direct link to the SOA/NASA Astrophysics Data System (http://adsabs.harvard.edu/).

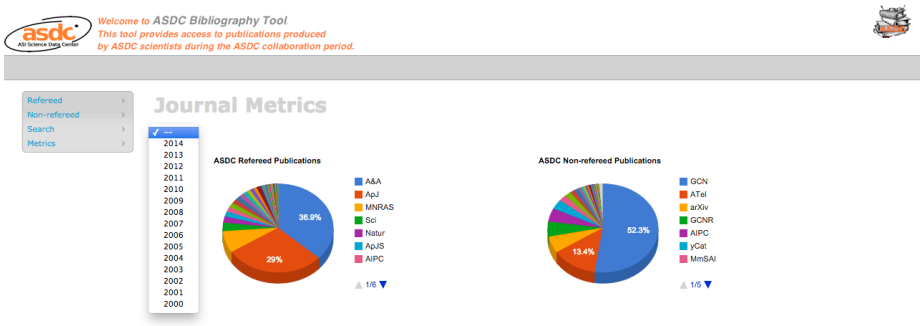
Statistics

Statistics are a set of figures necessary to have quantifiable and empirical evidence of the publications. More generally, in the aim of continuous development, statistics are the necessary methods for the collection of useful data to study the performance of the Center and to identify possible improvements.

The statics pages can be viewed as a dashboard to explore the bibliographic information. All the charts are navigable, and users can interact with the charts through redefined selections.

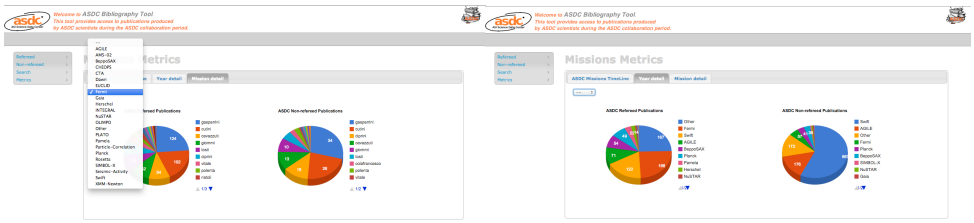
The specific procedures of the individual statics are described below.

ASDC Metrics, which is represented by a two-dimensional graph shows the time trend of the number of publications, Refereed and Non-refereed publications are represented by the colors blue and red, respectively. The opportunity to explore in detail a time period (year or more years) is given by the slider located below the graph.



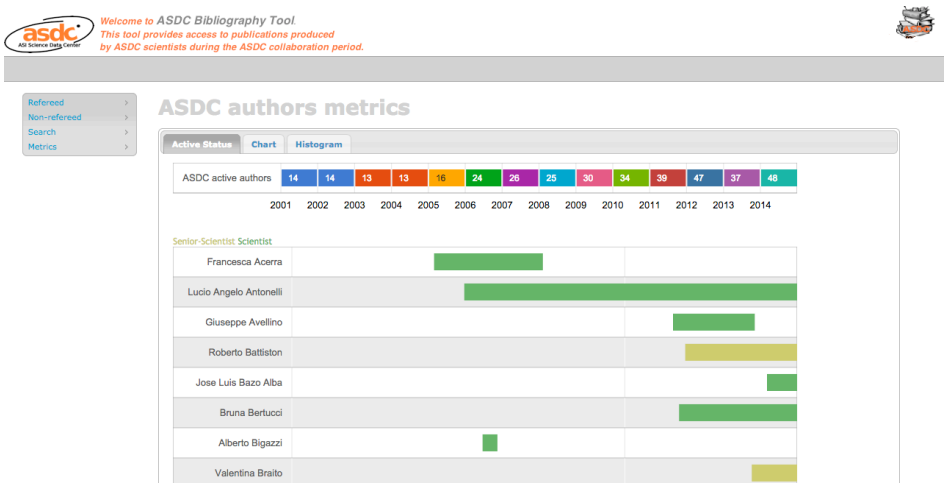
multiple statistics key fields: journals

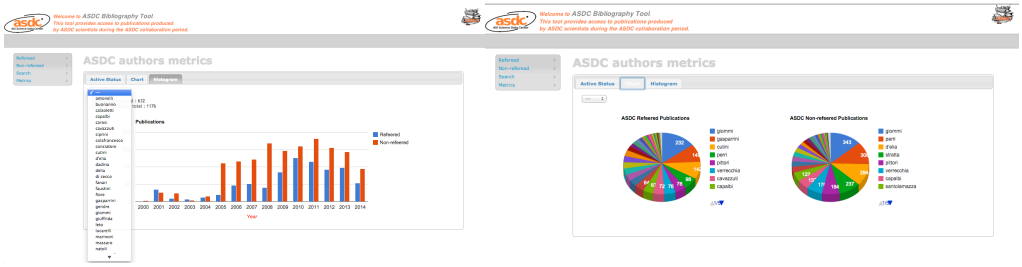
Journal Statistics are represented by pie charts that show the rate of publications per different scientific journal grouped in refereed and not refereed classes. Clicking on the drop-down menu a selection of a single year of interest is available, or by clicking on the individual colored segments you can have a listing of publications for the "journal" selected. The same functionality is achieved by clicking on the listing on the side of the pie chart.



multiple statistics key areas: missions

Missions Statistics is the set of charts representing the publications of the center grouped into ASDC Refereed and non-refereed Publications for Missions and/or Projects of interest. *ASDC Mission Time Line* represents the ASDC involvement for each mission; a mouse over effect on the bars displays information regarding start-end date, and duration. *Year Details* is a pie chart that shows the number of publications of individual missions for each magazine or newspaper refereed and not refereed, clicking on the drop down menu a selection on a single year of interest is available. *Mission Detail* is a pie chart that represents the contribution of every single author in the missions context; a selection of single mission of interest is available through the drop-down menu.





multiple statistics key fields: authors

ASDC authors statistics , is the set of the most representative metrics over time of the ASDC staff and of the publications linked to them. *Active Status* represents the number of active people to ASDC over time, a mouse over effect on the colored bars highlights the start-end date and the duration of his/her stay and/or collaboration with the Center. Different colors are used to underline different roles. Charts are pie charts showing the number and/or percentage of publications per year of each author for each magazine or newspaper, refereed and not refereed. A selection of a single year of interest is available using the drop-down menu. Histogram tab consist of an ASDC author histogram grouped in number of publications (Refereed: blue; non-refereed: red) per year.