GUIDE TO BIBLIOMETRIC DATA IN IRIS

Bibliometric data available in publication records ................................................................. 2
Citations ................................................................................................................................ 2
Percentiles ............................................................................................................................... 3
Social Impact ............................................................................................................................ 4
Associating identifiers ............................................................................................................ 5
ASN Simulation .......................................................................................................................... 6
Downloading reports ............................................................................................................... 7
Bibliometric data available in publication records

In the record of each product deposited in IRIS, a section that groups together a set of data referring to citations and utilization of the product itself is visible.

The data sources are Scopus, Web of Science and PubMed for citation data and percentiles, and PlumX for social media usage and promotion.

Since these are data provided by third parties, their availability depends on certain factors:

- Scopus and Web of Science are paid products and the availability of their data depends on the activation of a subscription. The IMT School currently has an active subscription for Scopus, but not for Web of Science;
- in order to connect the products deposited in IRIS with the corresponding bibliometric data in the citation databases, the identifiers must be entered correctly.

**Scopus ID**

You can find the Scopus ID within the web page link of each record. It begins with 2- and is located immediately after the characters "eid=" and ends before "&origin".

**Citations**

The Citations box displays the count of citations received by the publication in PubMed and Scopus.

If you click on the database name, IRIS will redirect you to the publication record in PubMed or Scopus.

Hovering the cursor over the citation number will bring up a message indicating the date and time the data was last updated. Click on the number to update it.

The graph represents the trend of citations in Scopus for the past five years.

Figura 1. Citations box in IRIS record

If one of the databases' identification codes have not been entered in the record, an "unavailable" icon will be displayed instead of the citation count.
Percentiles
The percentile for citations shows the publication's ranking in the ordinal distribution of all publications in the same year, belonging to the same subject category and document type.

Figura 2. Percentiles box in IRIS record
The box presents the best ranking for each of the proposed metrics. Click on the metric to see the publication's ranking in the various subject categories.

N.B. The lower the percentile value the indicator reports, the higher the number of citations. The maximum percentile value (100) corresponds to 0 citations.
Social Impact
In the last box are represented the data proposed by PlumX\(^1\), namely those related to some alternative metrics that can also be very useful in understanding whether the promotion of the web publication was effective.

The metrics used are:

- **Citations**: traditional and non-traditional citation indices (e.g. citations in patents, citations in clinical cases, etc.).
- **Usage**: summary information regarding how the publication is used on the web (e.g. downloads, views of the abstract, video reproductions, etc.).
- **Captures**: information regarding the interest shown in the publication (e.g. saved in bookmarks, exporting and saving the citation, etc.).
- **Mentions**: information regarding interest shown on the web by the scientific community (e.g. blog posts, comments, Wikipedia references, etc.).
- **Social Media**: all references made on social media such as tweets, likes, etc.

[Diagram of PlumX metrics]

Clicking on the "see details" link opens the page on the PlumX website where you can view the details of each metric.

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\(^1\) For more information about PlumX metrics: [https://plumanalytics.com/learn/about-metrics/](https://plumanalytics.com/learn/about-metrics/)
Associating identifiers

IRIS offers the Identifiers tool that helps you easily link IRIS records with Scopus ones. You can find it in the menu: Products, Archive quality, Identifiers.

This functionality aims to improve the data quality of publications deposited in IRIS by retrieving identifiers from Scopus for publications that lack them.

Once the search for potential associations is launched, Scopus processes the information received and performs a search on its database. The search process triggered by Scopus can be called a "cascade" process: an initial search by "eid" (Scopus identifier) is launched; if the search result is negative, a search by "pmid" (PubMed identifier) is triggered, if again the search does not provide results, a new search by Doi identifier is launched, and so on.

For each linking proposal, the author can associate or not associate the publication record with the retrieved Scopus identifier.
ASN Simulation

IRIS allows you to calculate values for ASN indicators in relation to the thresholds of your own (or other, to be selected) SC/SSD.

To access your simulation simply click on the Reporting and Analysis item in the menu on the left, then ASN Simulation.

N.B.: the reliability of the simulation depends on the completeness and update of the bibliographic data deposited in IRIS.

The screen will show the thresholds related to your SC/SSD and the fulfilment of the criteria for each role in a summarized version. For each time range, you can download the full report and the list of publications considered for counting.

If you want to check the fulfilment of the requirements relative to another SC/SSD, you can select it manually. The values will be recalculated according to the chosen field.

Please note that the only source of bibliometric data used by IRIS to calculate requirements is Scopus, as the IMT School does not have a subscription to Web of Science.
Downloading reports

To view detailed bibliometric data for each publication, we recommend using the following reporting functions: **List of Publications** and **Indexes on Publications**.

With the **Publications List** report, you can download in detailed form all your publications, both deposited bibliographic data and bibliometric data extracted from Scopus (citations, self-citations, SNIP quartiles and percentiles, SJR and Citescore).

**Indexes in publications** report provides some counts and values on all or part of the research output.