



Redalyc & AmeliCA

An open infrastructure for
advancing science as a
global public good

Information for contributors

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 redalyc 
UAEMEX

About Redalyc and AmeliCA

Redalyc, based in Mexico and supported by the Autonomous University of the State of Mexico, begun in 2003 as an Open Access (OA) journal index and hosting platform for both scientific journals published in Latin America, the Caribbean, Spain and Portugal. However, in 2018 Redalyc decided not to limit the geographic scope to Latin America but to extend its services to any journal as long as they meet the criteria which include the condition of diamond Open Access (non-APC).

AmeliCA, a multi-institutional community-driven initiative supported by UNESCO and led by Redalyc and CLACSO, arises in response to the international, regional, national and institutional contexts of Open Science, which seeks a cooperative, sustainable and non-commercial solution with the aim to strengthen non-commercial publishing and OS services including journal and book publishing, repositories, research assessment strategies, consolidation of journals, Open Data and journal deposit policies. Redalyc and AmeliCA (R&A) compose a not-for-profit open infrastructure for



Open Science built upon an alliance of Redalyc platform and AmeliCA cooperative initiative. R&A aims to achieve inclusive and sustainable non-commercial scholarly communications through the respect of bibliodiversity, multilingualism and cultural diversity with a technologically leveraged approach that enable the academic community to lead, control and own the circuit of knowledge production and communication and to contribute to the sustainability of diamond Open Access.



In 2008 **Redalyc** expanded its international scope beyond Latin America.



Journals from **Asia, Africa** and **Europe** are being indexed.

Recent achievements



Currently, the infrastructure offers services, including automatic editorial workflow technology, to more than **1,400 Diamond Open Access Journals** published by **670 institutions** from **31 countries**.



It provides access to more than **700,000 full-text articles in different languages** from **1.8 million authors** from **150 countries**.

- / More than **600 journals** are producing their **XML JATS** content with the AI-based XML JATS mark-up software developed by Redalyc to automate their journal production workflow and get articles in different formats like PDF, ePUB, HTML and interactive article readers automatically.
- / **533 members of editorial teams of 350 journals** were trained in XML JATS tagging in the last year.
- / R&A capacity building services have contributed to prevent journals from adopting the APC business model.
- / R&A extended the professionalization tasks to Africa and India. **Around 150 researchers and journal editors** have received training courses on publishing in non-commercial OA journals in 2021.
- / **Data normalization of more than 6,000 institutions** from the author affiliation data, that has allowed Redalyc to gather the scientific output per institution and to produce bibliometrics and content search engines in an institutional and country basis. These services include the **integration of journal articles into institutional repositories**.
- / Redalyc has developed a **landing page for more than 10,000 institutions** (e.g. homepage of Universidade de São Paulo in Redalyc) which includes the institution journal collection, co-authorship metrics, usage data and internationalization indicators for the university scientific output. Similarly, services at a country level are offered (e.g. homepage of Spain).
- / Redalyc, as of August 2019, **recommend journals to sign the Declaration of San Francisco on Research Assessment – DORA**. As a result, more than 800 journals adhere to DORA, which in that moment represented around 50% of the signatures received by DORA.
- / R&A developed a comprehensive and descriptive services for **characterizing scientific practice based on metrics and profiles** that account for the dynamics of the generation and communication of scientific knowledge. This approach is opposed to a hierarchical and exclusive structure in scientific performance measurement commonly used by commercial databases based on Impact Factor or similar metrics. There are 19 research metrics and 18 editorial metrics, which are calculated at country (e.g. research metrics homepage of Mexico), institutional (e.g. research metrics of the National University of Colombia), disciplinary (e.g. research metrics of Medicine), and author (e.g. research author metrics) levels and that are published twice a year. **All these metrics generate more than a million graphs per year**. Research institutions are free to use this information to tune research assessment policies. In this sense, Redalyc is contributing to have alternatives to overcome Impact Factor based assessment.
- / **More than 6000 journals** have been **evaluated** with the journal assessment criteria and evaluation processes performed by Redalyc and have received feedback on quality raising. Redalyc has developed the Index of Consolidated Journals Redalyc which is a **trusted source for diamond OA journals**. This index helps in the fight against predatory journals and it helps libraries to easily identify journal quality features.
- / **Integration of R&A journals collection in the libraries' OPAC** through either OAI-PMH metadata harvesting process or search engine embedding service for libraries. **Specialized libraries can also benefit from the disciplinary journals collection** (e.g. Agriculture journals, Law journals collection, Language and Literature journal collection) to access to the journals content in a specific field and to learn about the disciplinary community behaviour,

to find other researchers or to identify relevant institutions in a particular discipline.

- / **Semantic Content Collections were developed** which are available as LOD endpoints to access data from knowledge bases on particular topics (eg. Ancestral and Indigenous Knowledge Base, Gender Studies Collection, Covid-19 Knowledge Base).
- / Redalyc is one out of twelve databases worldwide that has **full integration with ORCID**.
- / **Redalyc contributed to the creation of the Mexican network of institutional repositories (REMERI)**, and also contributed to populate it with journal articles' metadata, which in turn, was used to populate the Latin America Network of Repositories (LaReferencia).
- / Redalyc and recently AmeliCA have worked with policymakers at national and institutional levels to define strategies to accelerate the adoption of Open Access by implementing mandates or legal instruments. Redalyc promoted and participated in the **drafting of the National Open Access legislation piece promulgated in Mexico** on May 5th, 2014. Likewise, Redalyc promoted the creation of the institutional OA mandate for the Autonomous University of the State of Mexico, officially published in 2012. Currently, **Redalyc is collaborating to implement non-commercial OA national draft legislation for Angola** supported by UNESCO.

Global usage

/ 12.6 million average article downloads per month

/ 28.5 million users per year

/ Peaks of 111.489 users per day

Principles

Redalyc & AmeliCA, an approach for science as a global public good, to achieve equitable and sustainable non-commercial scholarly communications through the respect of bibliodiversity and multilingualism that enables the academic community to lead, control and own the circuit of knowledge production and communication.

- 1** Scientific knowledge generated with public funds is a common good and access to it is a universal right.
- 2** The open, academy-owned, non-profit, non-subordinate, without charges for publication or processing, sustainable, and with responsible metrics publishing model ought to be strengthened.
- 3** Open Access has neither future nor meaning unless research assessment systems evolve and value publication by their own merits and not by where it is published.
- 4** Open Access consolidation demands the transition to digital scientific communication.
- 5** Financial investment in Open Access ought to be in line with its benefit for society.
- 6** Open Access sustainability by means of cooperative work schemes and a horizontal distribution to cover costs.
- 7** Diversity of scientific journals is necessary, hence pressure to homogenise them ought to be stopped.
- 8** Journals ought to allow authors to retain their copyright and remove their embargo policies.
- 9** Science's social impact is the foundation of Open Access' existence.
- 10** The various dynamics to generate and circulate knowledge per field ought to be respected, especially, as regards Social Science and Humanities.

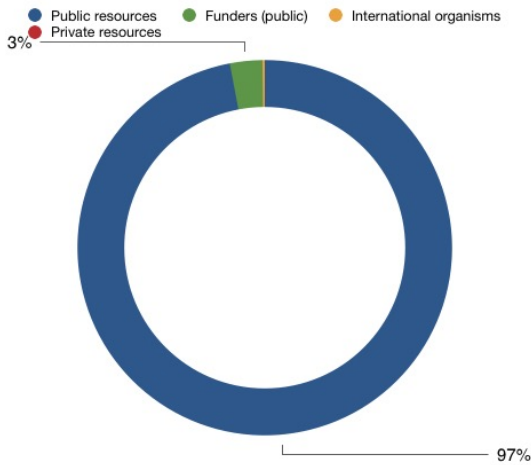
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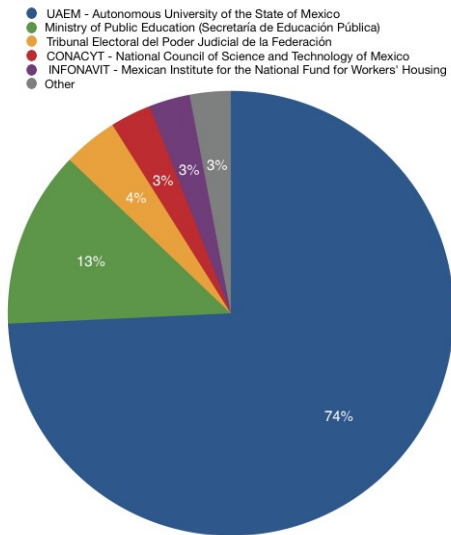
Sustainability Model

Redalyc has been sustained with public resources. **The main funding source has been the Autonomous University of the State of Mexico** supporting with the 75% of the total income in 17 years, followed by the Mexican Ministry of Public Education with 13% and some other institutions. Different mechanisms have been used for funding, varying from institutional budget, government project grants, research project grants or academic agreements. This information confirms the philosophy of this infrastructure, which is, Open Access led and owned by an academic institution, and the statement that: *it should be public what it is financially sustained with public funds*. Both are key features to prevent this infrastructure to be acquired by private corporations.

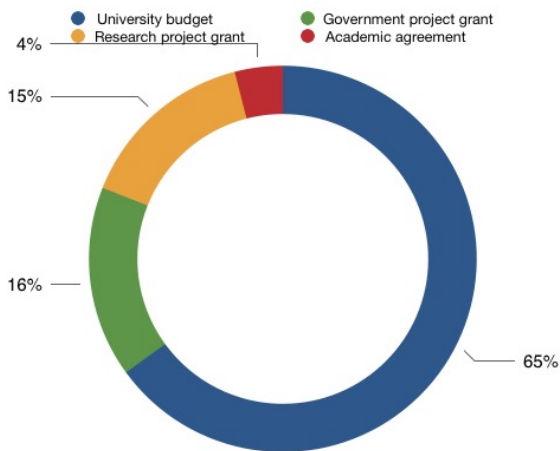
AmeliCA was created as non-profit association with the participation of members of different institutions including the Autonomous University of the State of Mexico, CLACSO, the National University of La Plata, CSIC, among others.



Public resources	97.0 %
Funders (public grants)	2.8 %
International organisms	0.2 %
Private resources	0.0 %



Source	Country	% of the total budget
UAEM - Autonomous University of the State of Mexico	Mexico	75 %
Ministry of Public Education (Secretaría de Educación Pública)	Mexico	13 %
Tribunal Electoral del Poder Judicial de la Federación	Mexico	4 %
CONACYT - National Council of Science and Technology of Mexico	Mexico	3 %
INFONAVIT - Mexican Institute for the National Fund for Workers' Housing	Mexico	3 %
Other	Various	3 %



University budget	65 %
Government project grants	16 %
Research project grants	15 %
Academic agreements	4 %

Contributions to Redalyc

A contribution to Redalyc and AmeliCA is to give “science as commons” approach an opportunity to be more competitive, to have healthier scholarly communications.

Sustainability issues

- / Servers infrastructure is obsolete and insufficient.
- / Communications devices and bandwidth do not meet the current users' demand.
- / These circumstances cause the services to respond with deficient parameters of speed and availability.
- / R&A are at risk of presenting technical deficiencies that prevent it from operate efficiently to meet the worldwide increasing user and institutional demand.
- / SCOSS pledges would strengthen the technical infrastructure, particularly servers, communication devices and bandwidth services that meet the current and future estimated requirements. They would significantly contribute to the sustainability of the services provided by AmeliCA and Redalyc.

You can help by committing to help fund the Redalyc/AmeliCA infrastructure. We recommend that you pledge an annual donation for a period of three years, as shown in the table below, in which funding levels vary according to the size and type of the organisation. Pledging for the full term of three years will provide the service with a secure financial foundation on its path to complete financial sustainability. Your pledge can either be paid in one lump sum, up-front, or on an annual basis.

Financial transactions will take place directly between the funding organisation and the service provider, and not via SCOSS. Organisations wishing to support Redalyc/AmeliCA should contact them directly at arianna.becerril@redalyc.org

Donations levels

ORGANISATION SIZE	ANNUAL CONTRIBUTION LEVEL
Large orgs from high-income countries	4,000 EUR
Small orgs from high-income countries	2,000 EUR
Funding orgs	8,000 EUR
National or regional governments and international orgs	5,000 EUR
Orgs from low- and middle-income countries; small non-profits; orgs with smaller budgets	500 EUR

Benefits for contributors

1. Acknowledgement and Institution's name and/or logo on the contributors' page.
2. Access to a biannual report on the service that Redalyc provides (at country level) in terms of published articles, co-authorship networks, visibility of the scientific output of their authors and downloads from the country to the content of Redalyc.
3. The Institution can, upon request, receive a detailed report of
4. Articles published by affiliated authors
5. Usage statistics available for the IP range of the institution
6. Technical assistance, upon request, for the integration of Redalyc discovery services into the libraries of the institution.
7. Technical assistance, upon request, for the integration of Redalyc content into institutional repositories.
8. Exclusive access to the Redalyc intranet for contributors to access to the services.
9. A seat in the Contributors Board, part of the governance structure of Redalyc and AmeliCA, which is aimed to provide feedback on strategic decisions.
10. Assistance services, upon request, for diamond OA journals published by the institution.
 - / Journal quality assessment
 - / Access to XML JATS markup systems
 - / Access to the editorial workflow technology
 - / Guidance on journals selection criteria to be indexed either by the Redalyc Index of Certified Journals or by the AmeliCA Index of Journals in Consolidation



Redalyc has developed the new module for Exclusive Services for Supporter Members, which is part of Ximhai, the Intranet for Diamond Open Access.

assistance, and exclusive content. This space offers services that our members are entitled to for their contributions.

Through its module for Supporter Members, it provides a variety of services and benefits, such as access to information, reports, technical

