

INTEROPERABILITY

Refereed scientific journal specialized in studies of the Blockchain ecosystem

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Justification

The digital era paves the way for a continuous change in the main technological trends in the management of Big Data that manifest themselves in very diverse areas, from changes in economic and geopolitical power to the redefinition of privacy or the need for a new social contract, policies and regulations. Faced with this scenario, in recent years, humanity's ability to store, transmit and manipulate information has increased greatly, due to the emergence of innovations in the field of information and communication technologies (ICT) that They make significant contributions to almost all sectors of the economy, which is leading to a general acceleration in the pace of technological evolution.

In relation to this and specifically the cryptocurrency industry is one of the protagonists in this scenario, as it has outlined changes and permanent cooperation between research and development spaces aimed at improving the applications of Blockchain technology. This is the case of the Catalyst Project, which is a complete open source ecosystem; whose objective is to provide security, scalability and superior interoperability, in collaboration with a group of researchers, for the development of a blockchain with a scientific approach.

Cardano's research process involves collaboration with universities and research institutions to develop its protocols, which seeks to facilitate collaboration with other blockchains, in order to expand and strengthen the interoperability processes accessible to work in other systems; This facilitates communication between different blockchain platforms to activate exchanges and collaborations. Such research will provide advanced security, scalability, interoperability and smart

contract functionalities with a consensus mechanism as a strategy used to facilitate the adoption of blockchain in various sectors.

Under this approach, the research activities developed in said project in the area of knowledge of Computer Science research, empowers the task of providing original research products with the seriousness that this implies, such as scientific publications. These being viable and shared, where collaboration, transparency and accessibility are essential, so that institutions and countries seek to promote innovation and socioeconomic development, which advocates openness, cooperation and reproducibility in research of a certain project.

CARDANO ecosystem research is led by leading academics who explore the knowledge areas of philosophy, sociology, behavior and game theory. Research on probability theory and statistics also comes into consideration, since nothing is taken for granted to achieve optimal results in the integrity and sustainability of a global and decentralized platform.

Likewise, the necessary creation of research networks will provide solid data, in the process of sharing information to deepen research topics on the three key principles of CARDANO, such as: Scalability, Interoperability and Sustainability. For this, the peer-reviewed scientific journal “INTEROPERABILITY” will play an important role in knowledge management about this field of study.

Purpose

The magazine “Interoperability” is a refereed scientific publication in electronic format, specialized in computer research on blockchain. Its main purpose is to contribute to the promotion and development of excellence and dissemination of knowledge of the CARDANO research community as a third generation blockchain. In addition, professionals and academics publish in it, as well as promoting the exchange of ideas and collaborations between authors and institutions.

Interoperability, as one of the central research themes of the CARDANO community, is an important topic that is being addressed as it continues to grow and evolve. Interoperability is access to cryptocurrency platforms, tokens and all products that work on blockchain in the CARDANO ecosystem, in turn it is the ability of different block chains to communicate with each other and transfer assets from one platform to another in a seamless manner. efficient and safe.

The openness to knowledge on this topic and others of great importance for the CARDANO ecosystem will be the axis of interest and content production of the magazine “Interoperability, since it will provide contributions in the presentation of solutions, in terms of research, that allow the interoperability with other blockchains and tokens, such as Ethereum, Solana, Polkadot and other networks. This is being achieved through initiatives such as the "Catalyst" project, which seeks to facilitate the transfer of assets between different blockchains using special bridges or protocols.

Definition of magazine

The magazine "INTEROPERABILITY" is a refereed electronic publication of a scientific nature, published every four months. Its publishing entity is the Academic and Professional Research Center of the Generalísimo Sebastián Francisco de Miranda Open International University (CIAP-UNIAGSFMI). The magazine is intended for the dissemination of scientific and technological production through original research results that represent a contribution to the visualization of science, technology, innovation and their applications. It also includes applied research works, technological development, high-impact bibliographic reviews and, eventually, case studies that, due to their relevance, merit publication, thus stimulating the written dissemination of the intellectual production of the CARDANO scientific community. In this way, it contributes to the dissemination and socialization of research of interest for the development of proposals and their applications that respond to the solution of specific problems within the blockchain ecosystem.

General objective

Disseminate research articles aimed at blockchain computing research, according to national and international editorial quality standards, responding to the inclusion criteria and national and international recognition in indexing databases, complying with open access treaties to the information.

Goals

1.-Be a publication intended for the dissemination of scientific and technological production through the original results of research that represent a contribution to the visualization of science, technology, innovation and their applications.

2.-Offer a space to show the achievements of researchers whose arguments support discussions about scalability, interoperability and sustainability in the CARDANO ecosystem blockchain.

3.-Be a newspaper reference based on the confidence of the production of new knowledge for the resolution of problems in the thematic field.

4.-Strengthen training spaces with updated content and with emphasis on the continuous generation of knowledge and specialists in the field of the blockchain of the CARDANO ecosystem.

5.- Disseminate the research production of the INTEROPERATIBILIDAD magazine on indexing platforms to ensure broad visibility.

Public of interest

The INTEROPERABILITY magazine's community of interest is enthusiasts, researchers and scientists interested in the magazine's lines of research. Coverage is also expanded at the level of universities, research centers, research networks, and specialized national and international companies, with the intention that in the content presented as a research product they can find answers and contribute to the various problems that arise. face in the blockchain ecosystem. At the same time, the audience of interest of the magazine is the community and the general public, as

part of the massification of information and the socialization of knowledge of CARDANO-blockchain.

Editorial policy

Starting from the fact that publications represent the process and culmination of research praxis, which in turn are the dissemination bridge that fulfills the mission of transmitting and linking the work of research with society in the national and international environment; The development of the magazine “INTEROPERABILITY” should guide the effort to disseminate the original works in the form of “articles” with the purpose of sharing and contrasting the validated results of the research with the CARDANO community, to incorporate them as a newspaper resource available to users. interested in topics on blockchain technology that are discussed in the same publication, thus contributing to the management of knowledge for the resolution of problems on the subject, with care for the excellence of the scientific and technological content that conforms, in the quality of the editorial process and the wide dissemination of its titles.

Consequently, CIAP aims to organize editorial work by establishing a body of specialists, in which professionals from the publishing field participate and, at the same time, document processes and establish standards to govern the performance of editorial production. Therefore, editorial processes must be subject to general provisions for the selection, editing, printing, dissemination, promotion, storage and distribution of publications, which is why it is necessary to update the standards that regulate them.

Likewise, the editorial policy of the magazine is framed only in the production of content oriented to the lines of research that the organization has, which are:

- Interoperability standards
- Interoperability architectures
- Communication protocols
- Security in interoperability
- Interoperability in the Internet of Things (IoT)
- Interoperability in health systems
- Interoperability in Smart Cities
- Blockchain interoperability
- Interoperability in Artificial Intelligence

Each one will govern the contents of the publication, for the updating and strengthening of knowledge in the areas of interest of the CARDANO ecosystem specified.

Likewise, the institution will be open to events in the thematic field of the magazine, to capture content that updates and recruits collaborators for the publication, either as columnists or referees.

The editorial expression of the magazine's content production will be the image and sensor of the capacity of the research emotions that the institution promotes for the benefit of exchange, visibility of knowledge, and in turn will be its business card.

Editorial management features

Editorial management is defined as the dynamic and interactive process consisting of planning, implementing, controlling and improving the editorial process developed by the CIAP with the effective and efficient use of resources (human and material), depending on the achievement of the planning and the proposed goals for each edition of a publication.

Editorial management presents precise criteria that generally respond to the administrative and institutional dynamics of the publication, these are:

Definition of the magazine. The objective, thematic coverage and the target audience must be mentioned on the official page of the magazine.

External authors: At least 50% of the published articles must come from authors external to the publishing entity and its editorial bodies.

Editorial openness. At least two-thirds of the members of the collegiate editorial bodies (committees or councils of the journal) must belong to institutions other than the publishing entity.

Information services. The journal must be included in some index and summary service, directories, catalogues, journal sections, virtual newspaper archives, categorization systems or lists of the basic core of national journals, among other information services, that are selective.

Compliance with periodicity. The magazine must be published at the beginning of the declared period. The quarterly magazine must publish within the first month of the beginning of the period.

Access and reuse policy. The journal will have policies for access and reuse of information and will clearly inform what copyright policies it establishes regarding access to its files; which rights they retain and which they transfer to the authors and readers.

Adoption of codes of ethics. The journal must inform its standards and codes of ethics.

Editorial team

For the management of the magazine to be more effective, it is necessary to incorporate actors who carry out its processes, this being the editorial team with the following functions:

A) Editor-in-chief:

The editor must be a highly prestigious specialist with very strong academic ties in the discipline or profession to which the journal is directed, in addition to having knowledge about the publishing world, both the processes and the national and international "competing" publications. . The time dedicated to this function is demanding since each of the phases of the editorial process must be monitored. The Editor-in-Chief's tasks include:

- Coordinate the activities of the Editorial Committee.
- Manage the publication daily:
 - (a) Manage the human and financial resources of the magazine following the guidelines established by the committee.
 - (b) Know the manuscripts or digital documents and decide, in the first instance, which ones should be processed, based on their correspondence with the scope of the publication and its formal requirements.
 - (c) Direct the works accepted for processing towards a reviewer or referee according to the topic.
 - (d) Relate and exchange with those responsible for the databases and indexes in which the respective journal appears.
 - (e) Interact with the authors of the manuscripts or digital documents submitted for publication consideration.
 - (f) Direct the work team and guarantee the necessary information to it, as well as to the referees, so that they can perform their functions with quality.

(g) Approve the final art of the magazine before taking it to digital layout.

- Legally represent the publication.
- Organize the necessary elements for content management.
- Publication on different platforms such as: Latindex, Dialnet, Redalyc, Zenodo, Redib, Revencyt and others
- Guide the deadlines stipulated for the review of content and deliveries by each of those

involved

- Ensure general compliance with the magazine's publication policy
- Propose strategies and actions to improve the magazine.
- Maintain the editorial policy and its orientation.
- Articulate and ensure the excellence of the magazine and direct its conceptual

development and editing.

- Promote the magazine within the institution and outside of it.
- Ensure the articulation and conformation of each number.
- Supervise production and visibility tasks.
- Maintain periodicity.
- Establish, maintain and foster a permanent relationship with potential and effective

collaborators.

- Propose incentive actions to authors, editors, referees and other people linked to the publication.

Steps the editorial plan meets expectations

1. Plan the duration of the project.
2. Include all important information, topics, titles and spaces for a URL of the contents, as well as the date of review and publication.
3. Indicate those responsible for the tasks.
4. Create a plan for each type of content.

B) Coordinator

He is directly responsible for the operational functioning of the magazine based on his executive powers that allow him to coordinate with the instances and tasks of the magazine. This will have the following tasks:

- Convene and direct meetings of the Editorial Committee.
- Serve as a permanent link between the Members of the Editorial Committee.
- Establish and continue exchange and collaboration relationships with other magazines, educational institutions and individuals related to the publication, which implies promoting reciprocity agreements with institutions and magazines.
- Carry out the planning of the corresponding edition number in coordination with the Editorial Committee.
- Promote the participation of authors in each edition.
- Reception and review of materials proposed for publication.
- Maintain updated information to the Editorial Committee on events and workshops aimed at training and improving editions of scientific journals.
- Plan events related to the magazine.

C) Editorial Committee

The Editorial Committee is the operational and decision-making body that together will have the following tasks:

- Plan, evaluate and approve the content and general structure of each of the magazine's issues.

- Develop and approve the body of referees with people with recognized academic experience and innovators in the field of specialization. This body is made up of academic members of institutions, as well as researchers and specialists.

- Assign referees for each of the works proposed for publication.

- Approve the final opinion of each article, based on the opinions requested and the collective evaluation.

- Approve advertising and promotion agreements with other magazines or institutions.

- Organize the edition and distribution of the magazine.

- Evaluate and approve the work plan, the annual report of the editorial coordinator of the magazine and the performance of other functions that arise from the regulations.

- Prepare and approve the program of special events for the dissemination of the magazine, supporting the coordinator in the organization of said events.

D) Advisory committee

The Advisory Committee is a consultative body of the Editorial Committee whose function is to guide the rigor of editorial practice by proposing topics, supporting the recruitment of referees and has the following tasks:

- Provide substantive guidance in the field of updating on thematic lines, special editions.
- Strengthen the thematic area of the publications.
- Interpretation of the global context in social areas that promote knowledge management.

E) Referees Committee

The Referees Committee must guide and evaluate the guidelines of the magazine's evaluation methodology and will have the following tasks:

- Evaluate digital documents theoretically and methodologically.
- Guide the writer to develop the observations.

Editorial process

It must be considered that in this process the constant participation of the Editorial Committee is essential, since every time an issue is planned it is accompanied by it, approving the strategies and possible new criteria that frame a certain issue, such as special editions. All this accompanied by the editing plan, which is a document to schedule content within a certain period, which is periodically updated by those involved.

Strategically, the process flow is presented as follows:

Reception process.

This process begins once the call for receipt of articles is opened with start and end dates. During reception, the Editorial Coordinator receives the articles and makes a preliminary review that consists of:

- Review compliance with the publication standards of each article
- Exploratory reading of each article to evaluate the thematic cacophony.
- Selection of referees by specialty for evaluation.

Once the preliminary evaluation has passed, at the Editorial Committee meeting the articles are distributed to the members for the assignment of referees and in turn they are approved.

Recommendations for the reception process

1. Maintain the dates established for the call.
2. Create reception forms where you describe the requested precautions and if any are missing, return the item until everything requested is met. Thus, we avoid using important time to remind columnists to send what they may have forgotten to send.
3. Use a resume with a digital photo, since it is more important with electronic magazines.
4. Immediately inform the columnists that their article enters the arbitration process with a time of 30 days, because they must consider the time of the committee meeting where they will assign referees and approve them, plus the time of submission and arbitration.

Arbitration process

The articles, already assigned and approved by referees, are delivered to the evaluators under the double-blind review method. They will be informed of the deadline to submit the evaluation as deemed by the magazine's regulations.

Once the articles are evaluated, they go through two situations:

- **Articles approved with observations:** The coordinator adds the observations of both referees and generates a single one in accordance with the indications indicated by the referees and they are sent to the columnists. A reasonable period for the delivery of observations is five (5) days. The corrections are then delivered to the arbitrators so that they can deliver the final verdict within a period of three (3) days.

- **Articles approved for publication:** Notify the writer that their article was accepted without corrections.

The quality evaluation of the articles is submitted:

Scientific and social relevance: Most of the time, the articles come from research in progress or completed. The scientific and social relevance will be determined by the editorial lines of the magazine.

Contribution to knowledge: Every article must contribute something new to the topic or area of knowledge defined by the magazine.

Level of analysis: The level of analysis is the deep structure of the interpretation of data or facts; that are not only translated into graphs and descriptions but in the total set of the scientific argument

Rigor: It is represented in the theoretical argumentative and analytical form, where most of the time, depending on the area of knowledge, they demonstrate the creation of new categories of analysis or concepts. Likewise, in the quality of the samples or descriptions through graphics.

Quality of the summaries: The quality of the summaries is supported by containing, in a few words, the definition of the research, the hypothesis, the objectives and the variables. According to the magazine, summaries can be 150 to 250 words.

Keywords: Correspondence with the article; Keywords are the precise and coherent indicator of the topic of the article. In short, it is the backbone of the epistemological component of the research, the notions, the concepts, the categories. On the other hand, keywords are important for the efficient search of scientific information, especially when converting the information into XML or HTP format for an algorithmic sequence of information, which is built based on the area of knowledge. , title, and other elements that strengthen the search for information, within Big Data.

Bibliographic currentnes and representativeness

Bibliographic references are important to have an acceptable time frame within what we define as updating of the information or topic, without leaving aside that classic sources can be used according to the author's interest to argue a certain position or idea, but updating bibliographic references must prevail. This criterion reveals the updating activity of the researcher or author of their sources in a certain area of knowledge. Therefore, this criterion is influential when evaluating publications.

Quality of Titles: The quality of titles leads to two important aspects:

- The precision of the topic in a short statement: This precision can even be validated with signs such as quotes, parentheses, colons, hyphens, which in some way focus the idea of the article. It is very important that the title is consistent with the content of the article.

- The quality of the title helps with thematic precision in web search engines, helping with keywords.

Structure and internal coherence: Responds to the discursive representation of the articles, starting with the introduction, theoretical foundation, development and interpretation, results, ending with the conclusions and in some cases depending on the editorial policy of the journal, requesting recommendations according to the problem investigated. On the other hand, internal coherence responds to maintaining the discursive thread, not diverting the thematic objective to another point and the relationship of the results with the author's intention on the topic addressed.

It is important to note that when a journal presents this inconsistency, it calls into question the arbitration processes and, above all, the administrative ethics of the journal.

Recommendations for the arbitration process

- Print the evaluation forms with the digital signature of the referees.
- Once the Editorial Committee approves the referees, a digital approval report must be drawn up for them identifying the article and assigned referee. This criterion resolves any conflict of interest and ensures that a group of people choose the referees and not the editorial coordinator.
- The digital certificates must be delivered to both the columnists and the referees at the same time.

The technical editing process

Stage that prepares everything related to the article data before layout. This process consists of:

- Style correction of articles: This process reviews the linguistic content at the spelling level, syntactic level and semantic level of the manuscript or digital document.

- This is a task that can take between 10 to 15 days, depending on the staff and the number of items.

- Codify the articles by knowledge area and subarea of knowledge, (phase that helps build items by knowledge area to carry out thematic and impact statistics for the journal.)

- Highlight in the article the dates of receipt, approval and criteria that are important for the evaluation of the normalization of a journal in the indexes.

- Create the list of referees assigned to the journal, with their identifiers (name/Institution/ID/email/location)

- Design of the graphic pieces of the magazine: cover of the edition, labeling and CD labels (5 copies are delivered to the National Library once the magazine for each edition is ready), CD cover.

Layout process

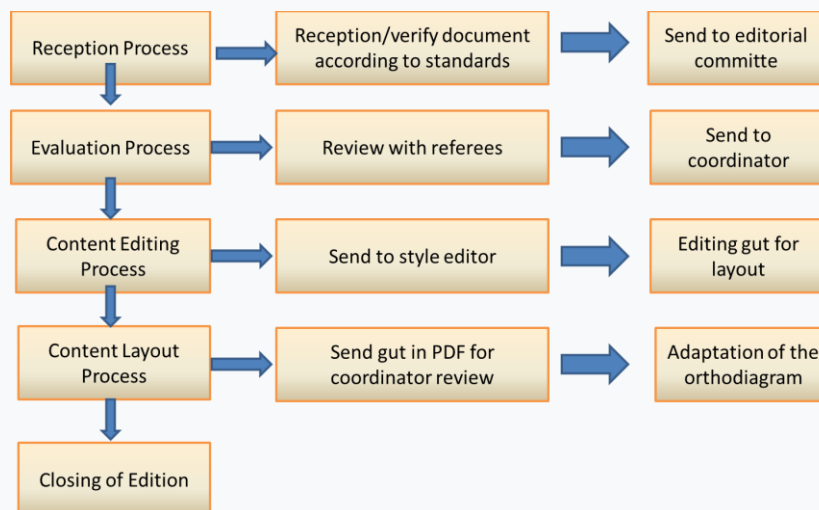
The layout process is the aesthetic way of organizing information and consists of introducing all the elements of bibliometric identification of both the journal and the article, in the framing of the article, and in turn aesthetically organizing the content. The layout is part of the magazine's editing style: Font, size, content structure, colors and other elements that harmonize and at the same time comply with international parameters, making it legible for the user. It is recommended to use InDesing as a content design and layout package.

Regarding the bibliometric elements to be introduced in each page of the article, we have: Journal logo, legal deposit, ISSN, article title and author. It is recommended to distribute it above and below the sheet.

Web storage process. Last phase

Web storage is a task of the web master, placing the contents online (both on the official platform and on the indexing platforms). This task is carried out with the supervision of the editorial coordinator who provides all the content and guidelines of the process. It is recommended to do this task first by storing it on the magazine's server and then migrating all the content to the portal.

Process flowchart



Publication standards

The magazine “INTEROPERABILITY” is a quarterly, serial, refereed and indexed publication, belonging to the CIAP, which condenses knowledge of scientific, technological and innovation interest, created by experts in the field.

The original works are made known in the form of articles, essays and reviews, with the purpose of sharing and contrasting the validated results of the research with the scientific community, to incorporate them as a newspaper resource available to those interested in the different topics covered. they deal with, thus contributing to Knowledge Management.

In this way, the magazine presents the following regulations for the documents to be published:

- The thematic coverage of the magazine gravitates to the Research Lines, these are: Interoperability Standards, Interoperability Architectures, Communication Protocols, Security in Interoperability, Interoperability in the Internet of Things (IoT), Interoperability in communication systems health, Interoperability in Smart Cities, Interoperability in blockchain and Interoperability in Artificial Intelligence.

- The content of digital documents must present a significant contribution to scientific knowledge; Likewise, bring together the aspects of thematic area, relevance of the topic for the journal, generation of knowledge, existence of proposals, contributions to future research, originality, scientific value, coherence of discourse, validity of the information and quality of bibliographic references.

- Send the digital documents to the email that will be assigned: Attaching the following mandatory information:

a.- Curriculum summary (maximum 1,500 words) accompanied by a color digital photo.

b.- Proof of originality, where the responsible author declares that the document sent has not been previously published in another journal.

c.- Proof of agreement between authors, regarding the publication of the article. It is important to know that, if there is disagreement between the people who authored the article regarding its dissemination, it will not be published.

d.- Permission to disseminate and disseminate the article to present it in different databases, compendiums and any other form of dissemination and dissemination that the journal may create to expand the visibility of written scientific production.

- Documents will be received throughout the year, through calls that can guide some themes for each edition. The call will be published on the INTEROPERABILITY magazine portal, with a minimum duration of 60 calendar days.

- The opinions and statements expressed in the documents are the exclusive responsibility of their authors.

- Documents must indicate their origin when they respond to degree thesis or projects.

- For additional information you can contact the editorial coordination of the magazine by email:

- The Editorial Committee will be in charge of the prior review of the works, as well as their monitoring and evaluation.

- The digital format of the document content must be prepared in any word processing application, since it must be compatible with computer program packages on the market, as well as free and open standards.

- The journal coordination will send the acknowledgment of receipt by email to the author who sends scientific manuscripts or digital document.

- A formal review will be carried out on the manuscript or digital document received to ensure compliance with editorial standards. In case of observations, they will be sent to the author for adaptation, all prior to arbitration.

- The documents received and submitted to review of editorial standards are passed to the Editorial Committee for the evaluation process (double blind). The evaluation will take less than 15 calendar days.

- Documents must be written in letter size, with 2.5 cm margins, with Gotham font, size 12, single line spacing, with Arabic numbering on the pages at the bottom and centered.

- The magazine will receive the following types of scientific research, all subject to evaluation:

Research articles: Dedicated to the presentation of articles in the area of knowledge of the lines of research, such as: Interoperability standards, Interoperability architectures, Communication protocols, Security in interoperability, Interoperability in the Internet of Things (IoT).), Interoperability in health systems, Interoperability in Smart Cities, Interoperability in blockchain and Interoperability in Artificial Intelligence, which emphatically explain the contribution and show in detail the interpretation of the results. The structure consists of six (6) parts: summary, introduction, methodology, result, conclusion and references. It has a maximum length of 15 pages, including the references consulted.

Research essays: Intended for the argumentation, systematization and analysis of published or unpublished research results, which account for advances and trends in a certain field of science, technology, innovation and their applications. The structure must comply with the following: Summary, introduction, development and conclusion. They have a maximum length of 10 pages, including the references consulted.

Reviews: They analyze recently published publications in the field of knowledge of the magazine. These must include documents published during the last three (3) years, or less, prior to their delivery, unless they are classic works. The main purpose of a review goes beyond simply offering a summary of the book, but rather providing a critical analysis, owned and original by the author. For more detail in this regard, the author must evaluate the contribution to scientific knowledge in a specific field or topic in the field of science, technology, innovation and its applications. It includes: Description of the review, introduction, contribution of the author about the topic presented and conclusion. It is essential to include the cover image in JPG format in good resolution. The maximum length is five (5) pages.

- The title of the document is presented in Spanish and English, the first letter in capital letters and the following in lower case, in bold and centered (also in English). It must be concise and illustrative, summarizing the central idea of the work. Less than 12 words, no acronyms. For example:

Prospectiva tecnológica en tiempos de cambio

Technology foresight in times of change

- The document must include author data, according to the following model: author name, institution, city, country, Open Researcher and Contributor ID (ORCID) number and email. Place a curricular summary at the bottom of the page on the first page.

- The document must present a summary in Spanish and English, with a maximum length of 250 words, accompanied by five (5) key categories, each separated by a semicolon (;). The first letter of the first word is capitalized. Example:

Keywords: Prospective; diffusion; design; quantitative; government

- The introduction should establish the purpose of the document and summarize the justification for the study or observation. Also, provide only relevant references and do not include data or conclusions from the work being reported.

- The body of the document should emphasize the new and important aspects of the study and the subsequent conclusions. Repetition in detail of data or other materials previously provided in the introduction and results sections should be avoided. It should include the implications of your findings and their limitations, including their implications for future research, relating the observations to other relevant studies.

- The conclusions in the document must be related to the objectives of the study. Avoid unqualified phrases and conclusions not fully supported by the data presented.

- The sections and subsections of the documents must conform to the following characteristics:

Level	Format
1	Centered bold, mixed case, Arial font, size 12.
2	Aligned left in bold with upper and lower case letters, Arial font, size 12 and consecutive numbering.
3	Aligned left in bold, with upper and lower case letters, indented by five (5) spaces, Arial font, size 12, and a period at the end.

To indicate a bibliographic reference inside the text, these must comply with the standards of the American Psychological Association system (American Psychological Association in its English vernacular, or APA), in this way:

The APA Standards can be consulted, in their entirety, at <https://bit.ly/3jZg2d5>.

a) When paraphrasing an author's position, the author's last name or last names will be placed in parentheses, with the first letter capitalized, a comma and the year of publication. If it is necessary to notify the page where the idea is, a colon is placed, followed by the number of the page or pages. For example:

The concept of a project and the action plan to achieve it is not new either. We find it in Seneca, according to which “no wind is favorable to him who does not know where he is going” (Godet, 2011).

Another example:

The possible scenarios may not be a desirable option and, consequently, all possible measures must be taken so that it does not become a reality in the future (Martín, 1995: p. 7).

b) Bibliographic references will be presented separately at the end of the writing.

Bibliographic references of books that have not been cited in the text cannot be included in the list.

c) References will be ordered consecutively following the following criteria:

- In alphabetical order by author's last name.

- In chronological order, when an author has more than one cited book. Likewise, the style to use is Arial 12 font, 1.5 line spacing.

- The bibliography must be represented in the following way: Last name of the author with the first letter in capital letters and the rest in lower case, followed by a comma, then the initial letter of the author's name in capital letters followed by a period; followed by the year, in parentheses, then a period; then the title of the book in italics with the first letter in capital letters and the rest of the words in lower case; followed by a period, then the city, then a comma; followed by the country of publication, placing the name of the publisher after a colon, and full stop. For example:

Ancora, L. (1965). *The motivation*. Buenos Aires, Argentina: Proteo Editorial.

Pérez, L. and Ruiz, J. (2000). Scientific magazines. Caracas, Venezuela: The Ateneo.

- If notes are used, they must serve to introduce complementary information and be placed in the text using consecutive numbering. These notes should be at the bottom of each page.

- Expressions in another language must be presented in italics and must not exceed 25 words in the entire writing.

- Quotations whose length is less than 40 words will be included in the paragraph without quotation marks, indicating the author, year of publication and number of pages in parentheses. If the quote exceeds 40 words, it must be placed in a separate paragraph, with an indentation of five spaces, in Arial font, size 10, taking care that they are not extensive. It is noted that the criteria of the APA standards for citations must be followed. For example:

Experts have pointed out that the prospective is seen as:

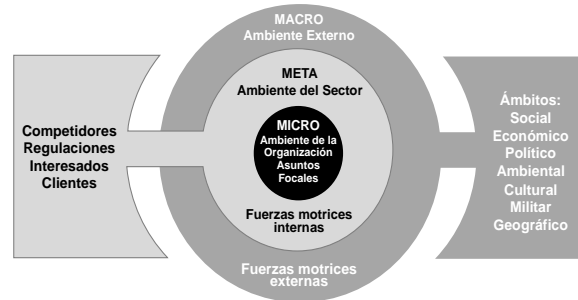
Technological foresight is seen as a mechanism to foster a more structured debate with broad participation that leads to shared understanding of the concepts accepted by the community of professionals, where it fosters a more structured debate that leads to shared understanding of the concepts. in the long term (Georghiou et al, 2008: p. 65).

- Tables, graphs and figures must be 300 ppi and size 16 x 10 cm; They must be inserted into the paragraph in JPG format. Likewise, digital folders must be consigned with the editable images duly named and identified with the name of the file, with numbering according to the element (Figure No. 1, Table No. 1, Graph No. 1). Their name or titles must be written outside and above the image with Arial font, size 11. Each visual element must have the source and date of the information provided. The font must be placed below the image with size 11, expressing itself as follows: Content of the font followed by the year in parentheses, as reflected in the example below:

If the source comes from the Internet, it must include the electronic address of the page or link. It will be reviewed at the time of evaluation. It is the author's responsibility to obtain permissions and rights

to include materials or illustrations from other sources. All images, figures, tables and charts must be made in clear colors and their details perfectly legible. An example is illustrated below:

Figure No. 1. Environmental scanning as a method of technological foresight



Source: Miles(2008).

b) Source: Author's own elaboration (2022).

Evaluation standards

- Once the documents are received, the Editorial Committee verifies whether they comply with the publication standards and the purpose of the magazine; determines whether there is scientific merit and relevance to readers; They are then subject to review through a formal peer review process and “double-blind” methodology.

- The evaluation will also be carried out by artificial intelligence.

- Documents that enter the arbitration process by approval of the Editorial Board will have a period of 10 business days to be evaluated.

- At the end of the arbitration process, a communication will be sent to the author, via email, informing the status of the evaluation of the document, where one of these three assessments will be detailed:

(a) The document was evaluated and found without observations, moving to its publication.

(b) The document was evaluated and some observations were presented. In this case, the author has three (3) calendar days to correct it, and undergo a second review where it will be confirmed that the observations have been considered and the author can proceed to its publication.

(c) The document was evaluated and presented significant content observations, leaving it out of this edition, recommending improvement. The evaluation form will be attached with the evaluation categories that validate what was reported (see the arbitration process below).

- Documents approved for publication undergo style correction, editing and layout.
- Each edition is finally approved as a whole by the editing authority of the magazine.

Publication Standards for Artificial Intelligence (AI)

Where AI tools are used, such use must be recognized and appropriately documented in the work, under the following criteria:

- AI tools cannot assume authorship responsibilities, but their use must be transparently declared.
- Generative AI and AI-assisted technologies should be used to improve the readability and language of the work.
- Human supervision and control must guide the application of this technology.
- Authors must carefully edit and review the results due to possible inaccuracies, incompleteness, or biases generated by the AI.
- The authors are responsible for the content of their work.
- Authors must disclose the use of AI in their manuscript or digital document.

- A declaration of the use of these technologies must appear in the published work.
- This promotes transparency and trust and facilitates the terms of use.
- AI and AI-assisted technologies should not be listed as authors or co-authors, nor cited as authors.
- Authorship is a human responsibility and entails tasks that can only be performed by humans.
- The use of generative AI or AI-assisted tools to create or alter images in submitted manuscripts or digital documents is not permitted.
- Brightness, contrast or color balance adjustments can be made if they do not affect the original information.
- Image forensic tools can be applied to detect irregularities.
- The only exception is if the use of AI or AI-assisted tools is part of the research method or design.
- It must be described reproducibly in the methods section, including details of the process and the software used.

Arbitration Process

- The arbitration system is peer-based under the “double-blind” methodology, which ensures the reliability of the process, keeping the identities of the arbitrators and authors confidential, avoiding reciprocal knowledge of both parties.
- Collaborations specifically requested by the editorial authority of the journal, from nationally and internationally recognized researchers, on topics and specialized subjects of great interest due to their contribution to the advancement of scientific, technological knowledge, innovation and their applications, may be exempt from arbitration.

- The arbitration system guarantees the objectivity, transparency and impartiality of the verdicts issued on the quality of the works presented; To this end, special care is taken in the appropriate selection of referees in accordance with the profile established by the Editorial Board.

- The verdict of the referees concludes with a recommendation on the publication of the document which is sent to the author in the format specially prepared for this purpose.

- The evaluation categories that will determine the status of the refereed document are the following:

Publish: When, according to the referees' criteria, the content, style, writing, citations and references demonstrate relevance of the work and adequate handling by the author, as corresponds to the established criteria of editorial excellence.

Publishable correcting the observations: When, despite addressing a current topic of interest to the magazine and demonstrating adequate content management by the author, there are surmountable deficiencies in the writing and style in the text, which must be corrected and incorporated within a maximum of three calendar days.

Do not publish: When, according to the judgment of the referees, the text:

- Do not refer to a topic of interest in the magazine or the topic selected for publication.

- Evidence of deficiencies in content management by the author; as well as in the writing and style established to qualify for publication. That is, it fails to comply with the standards required in the evaluation criteria.

- Arbitration is based on both the form and content of the works. The evaluation criteria considered are:

a) Relevance or contributions of the manuscript or digital document.

b) Level of theoretical and methodological elaboration.

c) Clarity, cohesion, syntax, grammar, spelling and style.

d) Adequacy of the summary.

e) Currentness and relevance of bibliographic references, as well as their appropriate presentation of citations.

f) Appropriate adaptation of the title to the content.

g) Organization of the document, that is: Summary, introduction, methodology, results, conclusions or recommendations and references.

h) Correct presentation of figures, graphs and tables.