

CONICET



Consejo Nacional de Investigaciones Científicas y Técnicas



The Council

The National Scientific and Technical Research Council (CONICET) is **the main agency that fosters science and technology in Argentina.**

ITS MISSION IS
TO PROMOTE AND IMPLEMENT SCIENTIFIC AND TECHNOLOGICAL ACTIVITY IN ALL FIELDS OF KNOWLEDGE.

Great areas of research:

- > **Agrarian, Engineering and Materials Sciences**
- > **Biological and Health Sciences**
- > **Exact and Natural Sciences**
- > **Social Sciences and Humanities.**

Technology is present in all scientific areas and enables the application of knowledge.

According to the 2020 SCImago ranking - which evaluates scientific research institutions worldwide- **this Agency holds the first position in the “Government Institution in Latin America” category.** Moreover, considering all public, private and educational organisms, CONICET is the most important agency in the country and second-best in all the region. It ranks in first positions in the world as regards the category “Research in government institutions”.

History

CONICET is a government agency created on February 5th 1958 aimed at promoting scientific and technological research in the country.

There was an important antecedent at the beginning of that decade that led to the creation of the Council. During the first administration of President Juan Domingo Perón, the National Technical and Scientific Research Council (CONITYC) was established.

Dr. Bernardo A. Houssay, Nobel Prize winner in Medicine in 1947, was the first president of CONICET. **In order to boost the development of Argentine** science and technology, the Council established the Careers of Scientific and Technological Researcher, and Research Support Staff. Scholarships for doctoral and postdoctoral studies were also established. Moreover, the Agency began to finance projects and established ‘Research Implementation Units.’ At a global level, the Council promoted bonds with international research organizations.

FOR MORE THAN SIX DECADES, CONICET HAS BEEN **ONE OF THE MOST ACTIVE AND RENOWNED ORGANISMS OF THE SCIENTIFIC SYSTEM OF THE COUNTRY, THE REGION AND THE WORLD.**

All its efforts aim at fostering scientific and technological advances, the growth of the national economy and the enhancement of the quality of life.

Institutional structure:

CONICET IS AN AUTARCHIC AGENCY UNDER THE SCOPE OF **THE MINISTRY OF SCIENCE, TECHNOLOGY AND INNOVATION**

ITS **BOARD** COMPRISES NINE MEMBERS:

1 PRESIDENT

+

2 VICE-PRESIDENTS

ONE OF SCIENTIFIC AFFAIRS

ONE OF TECHNOLOGICAL AFFAIRS

+

6 DIRECTORS

4 OF THEM ARE

REPRESENTATIVE RESEARCHERS IN EACH OF THE FOUR GREAT AREAS OF KNOWLEDGE.

4 OF THEM REPRESENT

INDUSTRY, AGROECOLOGICAL ORGANIZATIONS, NATIONAL UNIVERSITIES, SCIENTIFIC AND TECHNOLOGICAL ORGANIZATIONS FROM PROVINCIAL GOVERNMENTS.

Institutional network

Decentralized and federal, CONICET is present in all the country through its scientific and technological centers, research and transfer centers and implementation units.

This network is designed to encourage the development of initiatives of local representations so as to implement national scientific and technological policies.

Centros de Investigaciones y Transferencia

11
[CIT]

- FORMOSA
- CATAMARCA
- ENTRE RÍOS
- VILLA MARÍA
- NOROESTE BS. AS
- GOLFO SAN JORGE
- SANTA CRUZ
- SAN NICOLÁS
- RÍO NEGRO
- RAFAELA
- TIERRA DEL FUEGO

16
[CCT]

Centros Científicos Tecnológicos

- SALTA - JUJUY
- NOA SUR
- SAN JUAN
- NORDESTE
- CÓRDOBA
- SANTA FE
- ROSARIO
- SAN LUIS
- LA PLATA
- TANDIL
- MAR DEL PLATA
- MENDOZA
- BAHÍA BLANCA
- PATAGONIA NORTE
- CENPAT
- PATAGONIA CONFLUENCIA



1
Centro de Investigación Multidisciplinario
CADIC

+300
[UE] **Unidades Ejecutoras**

CONICET Community

TALL HUMAN RESOURCES WORK EVERYDAY WITH ONE GOAL: **TO PROVIDE SOLUTIONS TO THE NEEDS OF THE COUNTRY AND SOCIETY.**

THE GREAT ACHIEVEMENTS OF OUR SCIENTISTS ARE REFLECTED IN NUMEROUS PAPERS THAT EVERY YEAR REACH PREVAILING PLACES IN THE MAIN INTERNATIONAL SCIENTIFIC JOURNALS.

CONICET IS ALSO COMMITTED TO EDUCATION AND SCIENCE OUTREACH, THE TRAINING OF HUMAN RESOURCES AND THE PROMOTION OF SCIENTIFIC VOCATIONS IN YOUNG GENERATIONS.

+ 10.900
RESEARCHERS

The 'Career of Scientific and Technological Researcher' (CICyT) of CONICET employs and trains researchers in all disciplines. Its members work on original research, acquire new knowledge and perfect the existing ones. Besides, they promote the dissemination and application of knowledge and train new researchers.

+ 2.700
SUPPORT STAFF

The 'Career of Support Staff' (CSS) is addressed to professionals and technicians that do qualified work for research teams. These professionals and technicians are in charge of implementing the research and development programs under the supervision of CONICET researchers.

+ 10.200
FELLOWS

CONICET has a Fellowship Program for young Argentine and Foreign university graduates that want to undertake their doctoral studies and post-doctoral research work in the different scientific disciplines. The Council's Program recognizes three types of fellowships: Doctoral, End of Doctoral, and Postdoctoral

+ 1.300
ADMINISTRATIVE
PERSONNEL

They work on the management, coordination and support of scientific and technological activities at all their levels. This group comprises managers, directors, coordinators, professionals and experts in administration and general services.

Technology Transfer Office

In order to give concrete answers to the needs of the country, the Council has a substantive tool: The Technology Transfer Office, a strategic area that facilitates the connection between the social demands of technological innovations and the research teams and professionals of CONICET that can fulfill those needs.

The mission of the Technology Transfer Office is to transfer scientific and technological solutions to solve the problems of society and to support the development and transfer of technology.

Main activities:

- > **Identify problems and opportunities from the Public or Private Sector that can be addressed with CONICET capacities.**
- > **Provide adequate protection of the knowledge generated by CONICET researchers.**
- > **Implement instruments to promote development and technology transfer to enhance the quality of life of the Argentine society and the international community.**

INTELLECTUAL
PROPERTY

+900 current patents in the world.

LICENCES

9 annual licensed technologies on average.

I+D
AGREEMENTS

22 agreements on average, per year.

TECHNOLOGY-
BASED
COMPANIES

18 companies based on CONICET technologies were created.

TECHNOLOGICAL
SERVICES

+4000 registered services available in public and private spheres.

Y-TEC

In 2013 Y-TEC was created to provide technological solutions for the energetic sector and train specialists for the development of the industry in the region.

A TECHNOLOGICAL COMPANY CREATED BY YPF AND CONICET.

One of the main objectives of Y-TEC is to generate and provide technologies for a rapid and efficient exploitation of the non-conventional deposits. Besides, it develops technologies to obtain larger production in mature deposits, optimizes petrochemical processes and creates new high-value by-products for a better use and care of renewable energies and the environment.

LA.TE. ANDES

The Council and GEOMAP make a technological and productive nucleus of innovation for applied energetic and scientific development.

Its objective is **the creation and implementation of strategic technology-based projects aimed at solving sensitive problems of geo-resource valoration.**

Main Alliances

The relationship between national and international systems is of utmost importance to CONICET. Thus, it signed agreements with relevant Argentine institutions, such as the 'National Service of Agri-Food Health and Quality' (SENASA), the 'National Atomic Energy Commission' (CNEA), the 'National Institute of Agricultural Technology' (INTA), the 'National Institute of Industrial Technology' (INTI), national universities and companies and foreign scientific institutions.

IMPLEMENTATION UNITS (IU)

EXCLUSIVE CONICET IU 22

DOBLE DEPENDENCY: CONICET +

Universities 230
 Government agencies 14
 International Organization 1
 Civil society organizations 17

TRIPLE DEPENDENCY: CONICET +

Government agencies +
 Civil society organizations 1
 Universities +
 Government agencies 15
 University +
 Civil society organization 1

TOTAL IU 301

AGREEMENTS

NATIONAL

Public entities 105
 Universities 1
 Private entities 28
 Multiparty 6

INTERNATIONAL 102

TOTAL 422

CONICET Internacional

To strengthen and scale ongoing national projects and encourage the participation of Argentine researchers in regional and global research networks, **CONICET has agreements with foreign scientific and technological institutions.**

For this reason, the Council supports the organization of scientific workshops on specific subjects agreed with its counterparts, manages annual calls to conceive bilateral research projects and promote consortiums and international networks.

CONICET fosters and supports the installation of binational institutes and regional facilities:

- > 'Argentine-German Geodesy Observatory' (AGGO)
- > Biomedicine Research Institute of Buenos Aires (IBIOBA) – Partner Institute of the Max Planck Society
- > 'Franco-Argentine Institute of Climate Studies and their Impact' (with the Centre National de la Recherche Scientifique, CNRS)
- > 'Pierre Auger Observatory'

CONICET is committed to global respect and thus contributes to the accomplishment of the 2030 Sustainable Development Goals (SDG) established by the United Nations (UN). In this sense, the Council supports international cooperation programs on Food Safety, Renewable Energies, Climate Change, Antimicrobial Resistance and animal health, Bio-economy, Biodiversity Conservation, Management of Water Resources, among others.

Institutional Repository DIGITAL CONICET

It is an **open and free access digital platform** that collects and preserves the scientific and technological production of the CONICET community done with public funding.

The purpose of this platform is to encourage the development of science and technology, promote international cooperation as well as the cultural, educational, social and economic heritage of the country.

For the authors, the repository increases their publications visibility and offers:

- > **Greater dissemination, impact and citation**
- > **Integration with scientific collaborative networks**
- > **Long-term preservation and localization**
- > **Usage statistics of their publications and social impact**

For society, the repository is an environment for permanent search on the progress of knowledge.

With continuous growth, the stored production comprises **more than 126 thousand articles**, such as theses and scientific publications in all the areas of knowledge. **More than 125 thousand authors from Argentina and other parts of the world are participating.** And it is indexed by the main academic search engines on the internet: Google Scholar, WorldWideScience, BASE, CORE, OpenAire, Portal SNRD, La Referencia.

Strategic Plan of Institutional Management

It proposes management improvement and institutional consultation meetings on aspects inherent to the scientific and technological policy of CONICET.

Thus, the scientific community can exchange ideas and collaborate with institutional management.

IT IS AN INSTRUMENT THAT FACILITATES THE BUDGETARY FORMULATION PROCESS BY **ESTABLISHING POLICY FOUNDATIONS AND IDENTIFYING ACTIVITY DELEGATES FOR EACH ACTION.**

This serves as a guide to effectively manage the Council and face future challenges.



OCEANOGRAPHIC VESSELS OF CONICET

CONICET has two oceanographic vessels: **Puerto Deseado** and **Austral**, which are operated by the 'Naval Hydrography Service' (SHN) of 'Argentine Army.' Its activities are coordinated by the 'Hydrographic and Oceanographic Research Support Unit' (UNIHDO) jointly managed by the Council and the Ministry of Defense.

Both ships belong to Pampa Azul, a strategic inter-ministerial initiative that undertakes research in the Argentine Sea. The aim is to broaden scientific knowledge to preserve and manage natural resources.

EVERY YEAR SCIENTISTS PARTICIPATE IN **MULTIDISCIPLINARY RESEARCH CAMPAIGNS** TO STUDY MARINE AND MICROBIAL BIODIVERSITY, GEOLOGY, GEOPHYSICS, GEODYNAMICS, OCEANOGRAPHY AND METEOROLOGY.

Samples with relevant information are extracted from the Namuncurá Marine Protected Area -Burwood Bank: a place of great biological wealth located in the south of Islas Malvinas and the east of Isla de los Estados, which was declared a marine protected area to preserve its biodiversity rich in biological species.



Science and Justice National Program

It strengthens the bonds between the scientific community and the judicial powers, Public Ministries (Fiscal and Defense) and all defenders of the country to bring science with forensic application to the society.

Through this program, CONICET offers its research capacity, equipment and training based on the specific needs of judges, prosecutors and human rights defenders.

It also offers professional training courses and services such as:

- > **Forensic DNA studies**
- > **Anthropology, sociology, law and criminological psychology studies**
- > **Analysis of specific substances linked to investigations**
- > **Shooting trajectories**
- > **Expert services in the forensic voice identification**
- > **Analysis of digital evidence**
- > **Optimization of experimental protocols**
- > **Sampling safety**
- > **Certification and assurance of quality in laboratories**

'Institutional Networks Oriented to Solve Problems' (RIOSP)

They were created from the association of research groups that belong to public or private Science and Technology institutions. The aim is to **address complex and relevant problems for social, productive and environmental development, as well as situations of risk or threats.**

The members of the Networks **make diagnosis and technical reports for public and private decision makers.** They provide advice on the design of regulations, plans, programs and projects. The networks also identify areas of vacancy in research and/or in the training of Human Resources required to solve long-term problems. They also detect technical needs of the public and private sector

Some of the great problems addressed by these Networks are about:

- > **Environment**
- > **Production**
- > **Food safety**
- > **Human Rights**
- > **Aquaculture**

VocAr Program

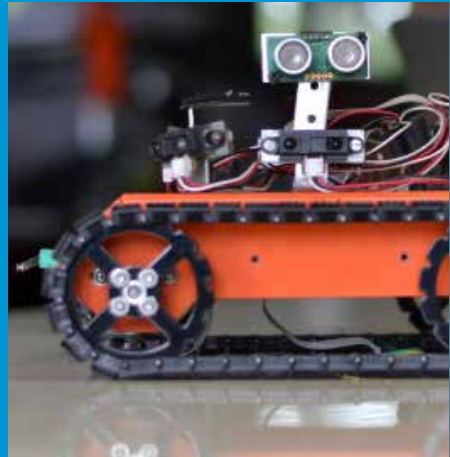
The Program for the Promotion of Scientific Vocations (VocAr) of CONICET aims at **bringing science closer to society and encouraging a strong relationship with the education system.**

VocAr fosters diverse actions for the promotion of scientific culture among teachers, students, and the general public. It also undertakes experimental and interactive activities as a way of motivating their participation in science.

VocAr contribuye a que la ciencia salga de sus ámbitos específicos para llegar a la sociedad en todo el territorio nacional.

VocAr's goals:

- > **To promote scientific culture and bring science closer to the community.**
- > **To encourage interest in science in children and adolescents.**
- > **To contribute to show science as part of our daily life and having a strong social impact.**



CONICET Documental

The Council has its own audiovisual content production department: CONICET Documental. Its principal aim is **to bring science closer to society through stories that link its own protagonists with their workplace or personal stories.** They are about science and technology and take place in all the Argentine territory, from the Puna to the Antarctic region. CONICET Documental also creates content for various outreach activities.





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/CONICETDialoga

• Recorrido de eclipse total solar visto desde Calingasta, San Juan