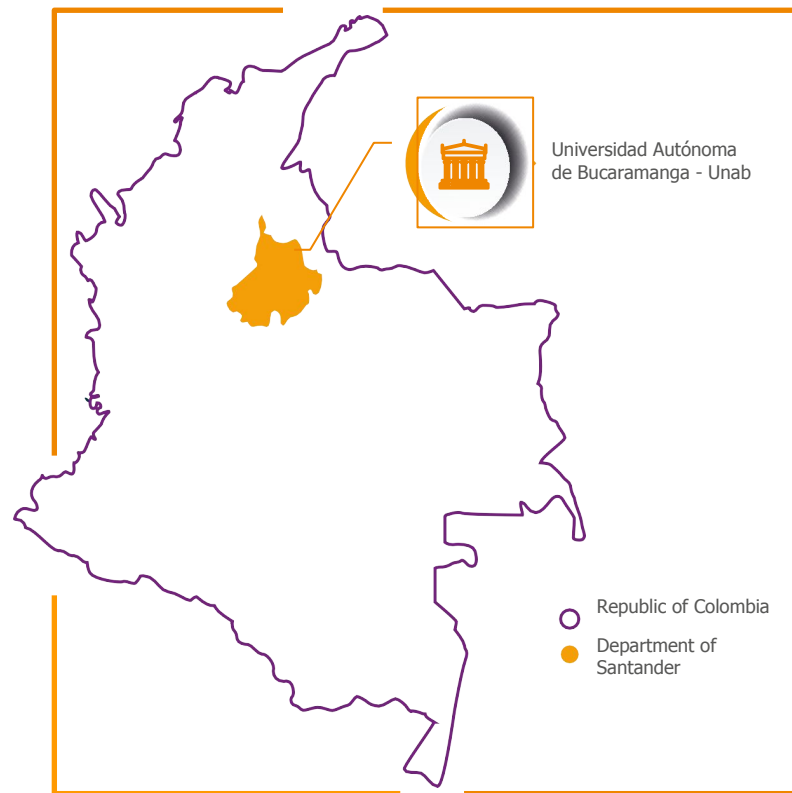
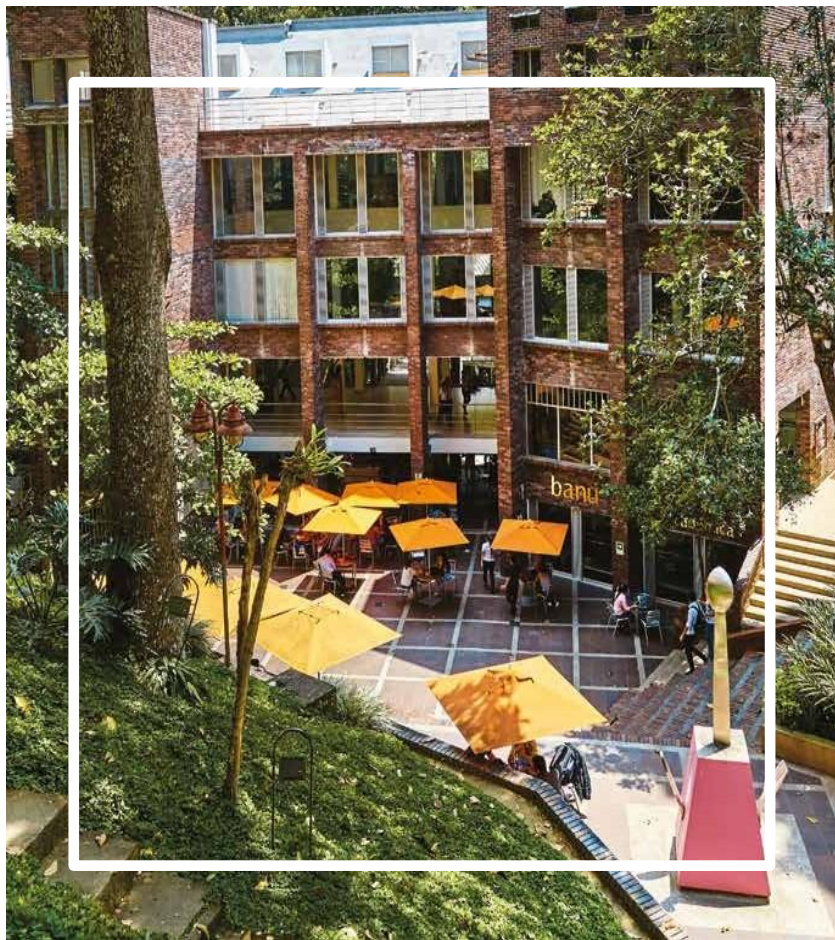




Universidad
Autónoma de
Bucaramanga





SANTANDER

is a Department located in North Eastern Colombia. It has an average coverage in higher education of 64.8%. It is also the fourth department with the largest share in the national GDP, representing 5.0% of the national total. Agricultural activity is fundamental for its economy, with more than 131 thousand productive units.



In addition, Santander is recognized for its health care and educational services, energy industry, touristic potential, leather industry, among others.



BUCARAMANGA

Has the fifth largest economy by GDP in Colombia, with the lowest unemployment rate and was selected as part of the Inter-American Development Bank "Emerging and Sustainable Cities Initiative". It has a population of 1,345,671 inhabitants including the Metropolitan Area (Girón, Floridablanca and Piedecuesta)



HISTORY

In 1952, in times of major political upheaval in Colombia, exceptional personalities like Alfonso Gómez Gómez, Armando Puyana Puyana, and Carlos Gómez Albarracín, together with a hundred of other distinguished people from Santander, started an educational project in the City of Bucaramanga called Instituto Caldas. Later, in the 60's, EDAF (Escuela de Administración y Finanzas) was born out of a pressing need at the moment.

As time passed, it became what we know today as Universidad Autónoma de Bucaramanga, UNAB.

ACADEMIC OFFER



UNDERGRADUATE PROGRAMS: 30

UNDERGRADUATE TECHNOLOGICAL PROGRAMS: 8

GRADUATE DIPLOMA PROGRAMS: 51

MASTER'S PROGRAMS: 22

DOCTORAL PROGRAMS: 1

SCHOOLS AT UNAB

- Economic, Management and Accounting Sciences
- Health Sciences
- Social Sciences, Humanities and Arts
- Law and Political Sciences
- Technical and Technological Studies
- Engineering

WHO ARE OUR STUDENTS?

Our institution currently has 10,000 students enrolled, whose education is based on solid values such as academic freedom, ethics, development and respect for the environment. During our 65 years of history, around 53,000 students have graduated from our various programs. Today, they form the community of UNAB alumni.



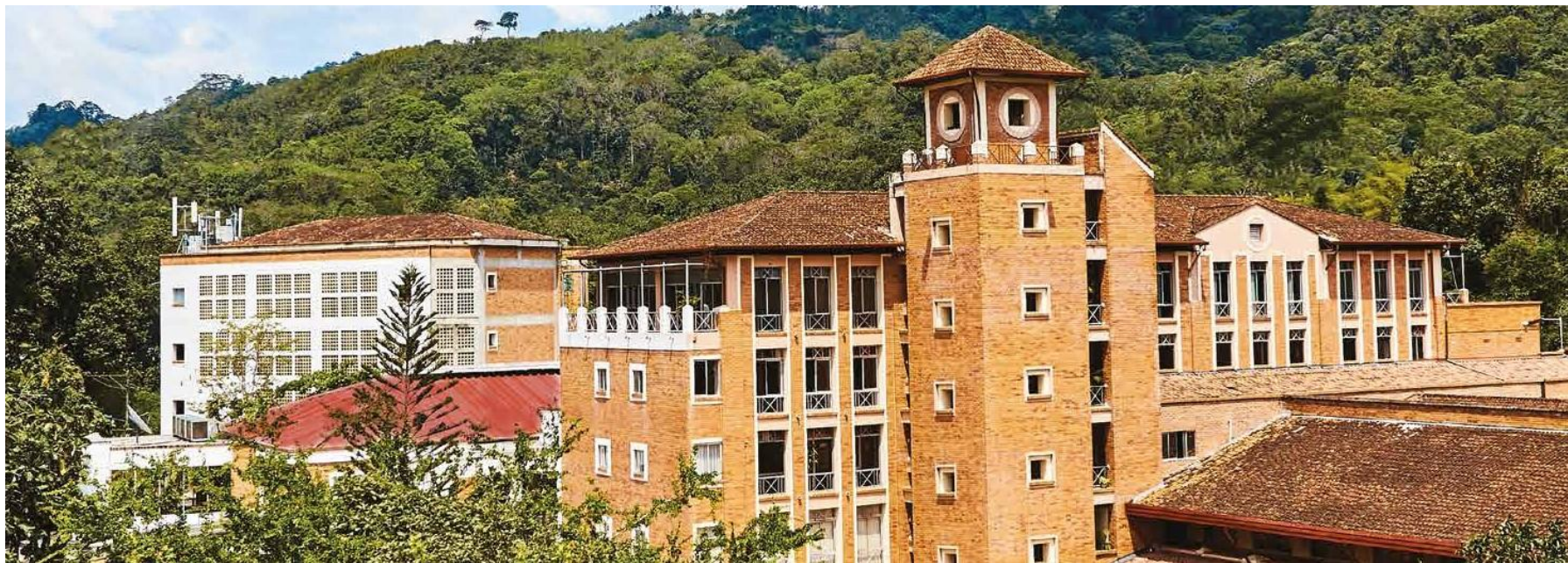


SERVICE ORIENTED

UNAB has several spaces to support practicum and consultancy in specific areas of knowledge, where the principles of service and attention to the community prevail, such as:

- The Conciliation Center and Legal Office
- Hospital del Norte, FOSCAL Medical Center and FOSUNAB (Health Care Free Zone)

UNAB - UNISANGIL alliance is an academic and administrative initiative that has extended our programs to rural towns such as San Gil and Yopal.



INTERNATIONAL RELATIONS

The International Relations Office is the area responsible for developing programs with institutions abroad, focused on students, graduates, faculty and staff. Furthermore, it is in charge of providing assistance and personal advice to all international students.

We offer programs such as: Academic semester abroad, international internships, double degrees, short term programs, research stays, visiting professors and Spanish for Foreigners program. This program is offered to international students of different backgrounds, with an intercultural approach that combines language instruction with culinary and dance lessons, as well as field trips. The communicative approach is used and complemented with activities in real contexts in a city well known for its beautiful landscapes, cultural diversity and safe and welcoming environment.



SCHOOL OF TECHNICAL AND TECHNOLOGICAL STUDIES

Our graduates have improved their life quality and are supporting the country's productive and economic sectors.

T&T week:

Space intended for the academic integration of all our students and graduates. It includes a showcase of integrating projects and visits by national and international experts who discuss topics of interest in each area of knowledge.

Mobility:

Our students have exchanged knowledge with peers at universities in Argentina, Peru, Mexico, France and Colombia.

Academic programs:

- Technology in Criminal Investigation and Forensic Sciences.
- Technology in Logistics and Marketing.
- Technology in Pharmacy Management (Online)
- Technology in Occupational Safety and Health (Online).
- Technology in Gastronomic Management (Online).

Our constant commitment to education has bridged the gap to access education in remote places.





SCHOOL OF ECONOMIC, MANAGEMENT AND ACCOUNTING SCIENCES

Undergraduate Programs:

- Business Management (Traditional, Online and Dual).
- Tourism and Hotel Management.
- Public Accounting (Traditional and Online).
- Economy.
- International Business.

Graduate Programs:

- Master's Degree in Business Management.
- Master's Degree in Business Management and Direction MBA.
- Master's Degree in Digital Business.
- Master's Degree in Economic Analysis.
- Specialization in Business Management.
- Specialization in Finance.
- Specialization in Strategic Marketing Management.

- Specialization in Human Resources.
- Specialization in Tax Inspection and External Auditing.
- Specialization in Tax Planning.

Accredited Programs:

- Business Management (Traditional and Dual).
- Public Accounting (Traditional).

Other certifications:

- Business Management – (Dual).
- Certqua and ISO 9001: 2015 Certification.



Research Groups

GENIO
Organizational
Research Group.

INVECONFIN
Accounting and
Finance Research
Group.

Sector Dynamics
Research Group.

Research Lines

- Forecasts and Strategy.
- Territorial Marketing and Internationalization.
- Quality, Innovation and Entrepreneurship.

- Social Responsibility.
- Accounting and Finance.
- Auditing and Control.
- Public Treasury and Control.

- Information Technology.
- Local Economic Development.
- Strategy and Competitiveness.
- Tourism and Culture.
- Economy, Trade and International Relations.
- Econometric Methods for Public Policy and Business Management.

SCHOOL OF ENGINEERING

Research groups:

- Systemic Thinking.
- Applied Sciences.
- Information Technologies.
- International Markets and Businesses Resources.
- Energy and Sustainability.
- Digital Preservation and Exchange of Information and Knowledge.
- Control and Mechatronics.
- Financial Engineering.

Undergraduate programs:

- Systems Engineering.
- Financial Engineering.
- Market Engineering.
- Mechatronics Engineering.
- Energy Engineering.
- Biomedical Engineering.
- Industrial Engineering.
- Information Systems Management (Online).

Graduate programs:

- PhD in Engineering.
- Master's Degree in Software Management.
- Master's Degree in Application and Development.
- Master's Degree in Telematics.
- Master's Degree in Energy Engineering.
- Specialization in Energy Resources Management.
- Specialization in Telecommunications.
- Specialization in Advanced Technologies for Software Development.
- Specialization in Financial Solutions Management.
- Specialization in Comprehensive Logistics Management.
- Specialization in Financial Risks and Derivative Markets.
- Specialization in Consumer Behavior.

SCHOOL OF SOCIAL SCIENCES, HUMANITIES AND ARTS

Undergraduate Programmes:

- Audiovisual Arts.
- Social Communication.
- Gastronomy and Haute Cuisine.
- Early Childhood Education.
- Music.
- Literature (Online).

Graduate Programmes

- Master in E-Learning (Online).
- Master's Degree in Education.
- Specialization in Digital Communication and Interactive Media (Online).
- Specialization in Education through New Technologies (Online).
- Specialization in Inclusive Education.

Research

- Education and Language Research Group.
- Trans-disciplinarity, Culture and Politics Research Group.



Undergraduate programs:

- Medicine.
- Nursing.
- Psychology.

Research:

The Faculty of Health Sciences has 9 research groups and 36 research seedbeds with a participation of about 32% of the students of all faculty programs.

Research groups:

- Public Health and Quality of Life.
- Caring (Research group in Nursing).
- Preventive Cardiology.
- Genetic Studies of Complex Diseases.
- Clinical Studies.
- GSEPSIS - Mediators of Inflammation.
- MEDIDAC - Didactic teaching in Medicine.
- Neuropsychiatry.
- Public Health Observatory of Santander.
- Anatomic Variations.
- Violence, Language and Cultural Studies.

International Agreements and Alliances:

Research and mobility activities for students and teachers are carried out, among others, with:

- University of Montpellier (France).
- University of Sao Paulo (Brazil).
- Universidad de Oviedo (Spain).
- Universidad de Granada (Spain).
- Universidad Tecnológica de Monterrey (México).
- McMaster University (Canada).
- MD Anderson Cancer Center (U.S.A).
- University of Toronto (Canada).

Graduate programs:

- Master's in Prevention of Family Abuse, Childhood and Adolescence.
- Master's in Methods for the Production and Application of Scientific Knowledge in Health.
- Specialization in Radiology and Diagnostic Images.
- Specialization in Dermatology.
- Specialization in Internal Medicine.
- Specialization in Ophthalmology.

SCHOOL OF HEALTH SCIENCES

- Specialization in Anesthesiology.
- Specialization in Adult Critical Medicine and Intensive Care.
- Specialization in Urology.
- Specialization in Nuclear Medicine.
- Specialization in Gynecology and Obstetrics.
- Specialization in Orthopedics and Trauma.
- Specialization in Interventional Radiology.
- Specialization in Clinical and Health Psychology.
- Specialization in Epidemiology (Online).
- Specialization in Occupational Safety and Health (Online).
- Specialization in Family Violence, Childhood and Adolescence.

SCHOOL OF LEGAL AND POLITICAL SCIENCES

Undergraduate programs:

- Law.

Graduate programs:

- Master's Degree in Family Law.
- Master's Degree in Public Policies and Development.
- Master's Degree in Prevention of Family Violence, Childhood and Adolescence.
- Specialization in Administrative Law.
- Specialization in Environmental Law.
- Specialization in Commercial Law.
- Specialization in Constitutional Law.
- Specialization in Family Law.
- Specialization in Disciplinary Law.
- Specialization in Criminal Law.
- Specialization in Civil Procedural Law.
- Specialization in Public Law.
- Specialization in Medical Responsibility.
- Specialization in Family Violence, Childhood and Adolescence.



Research and community outreach:

SOCIO-LEGAL RESEARCH CENTER, in charge of directing and promoting research in the Faculty.

Legal Clinic

With an emphasis on public interest and human rights, the Legal Clinic empowers citizens, formulates new knowledge and supports public policy.

Institute of Political Studies

Promotes research and training in the area of Political Sciences, while encouraging inter-disciplinary relationships and critical analysis of social phenomena. It publishes *Reflexión Política*, an indexed journal.

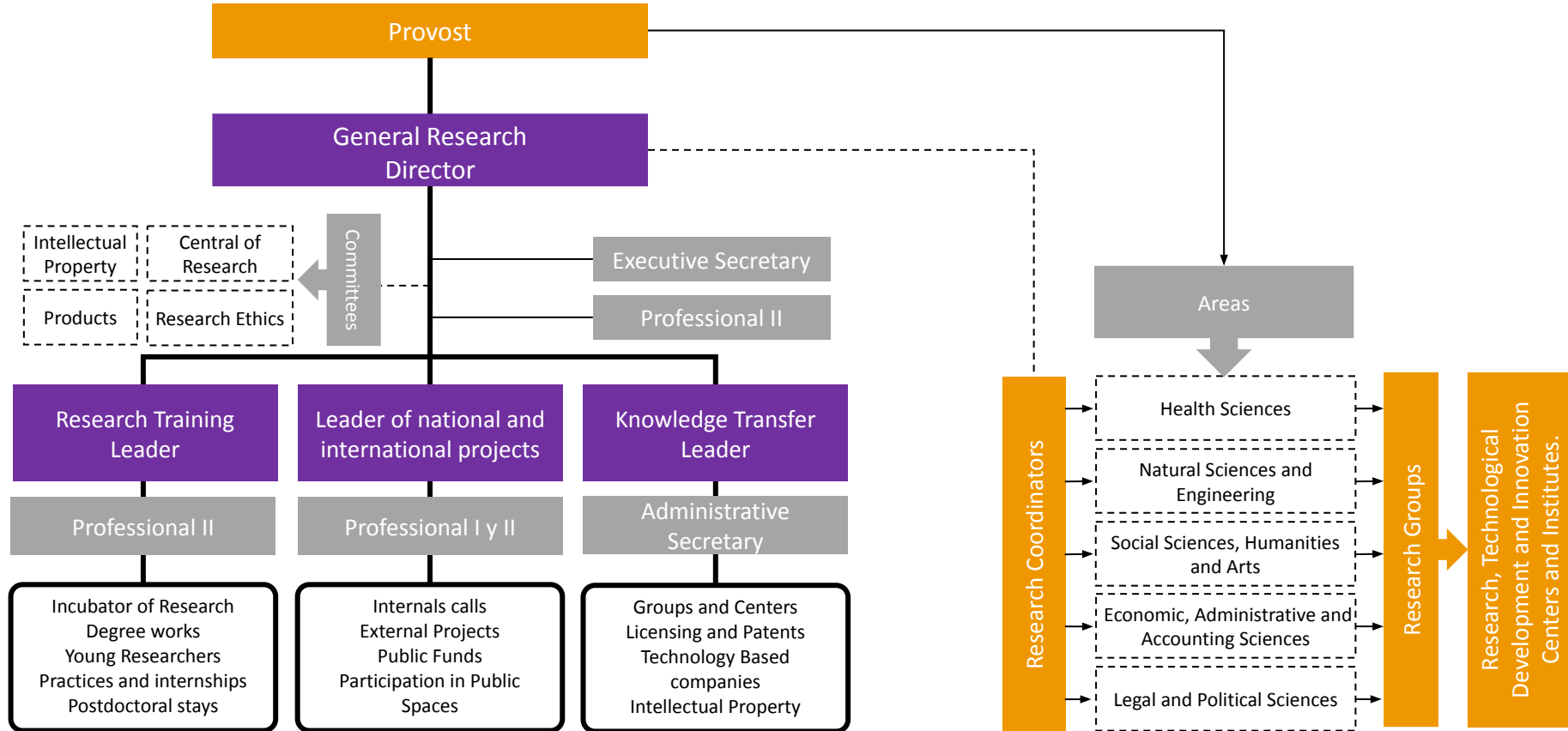


Research

Research Office



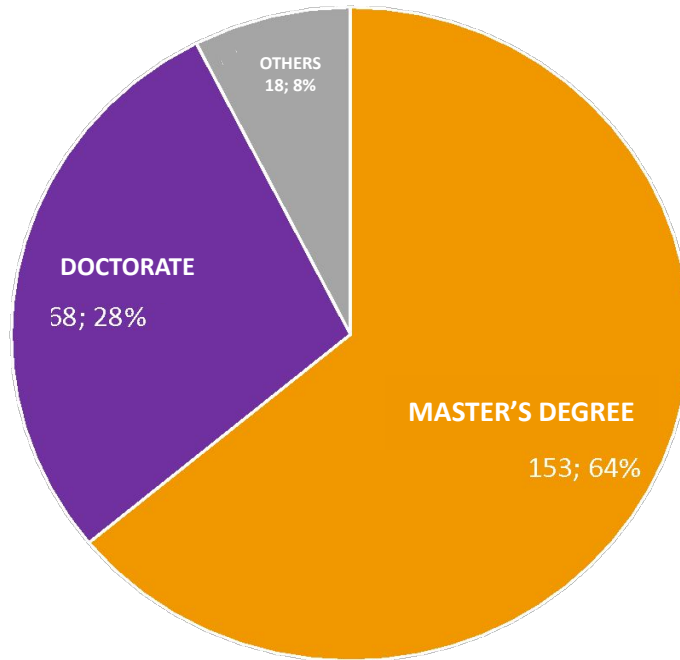
Research Structure



Researchers

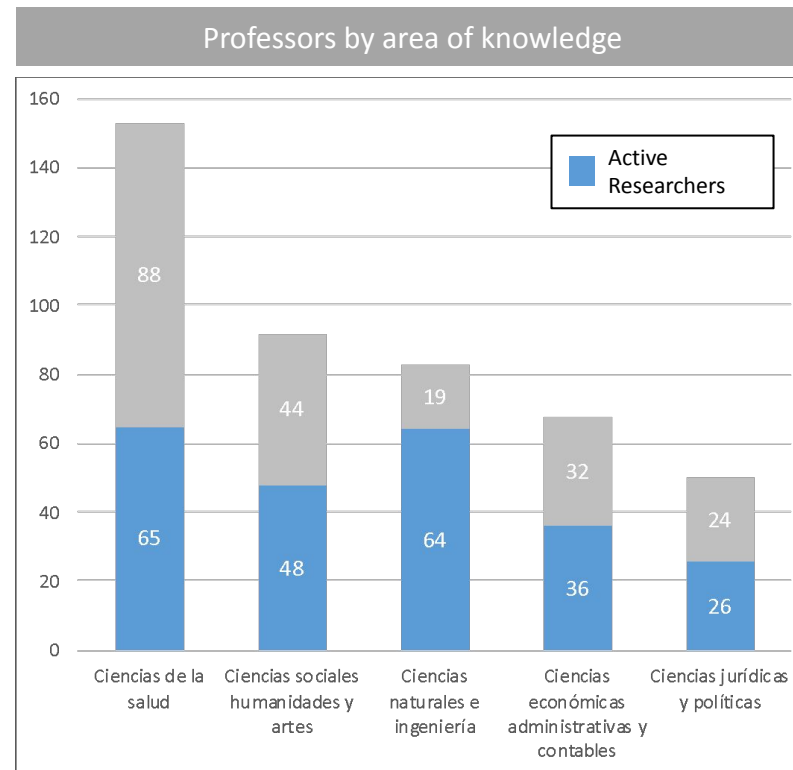
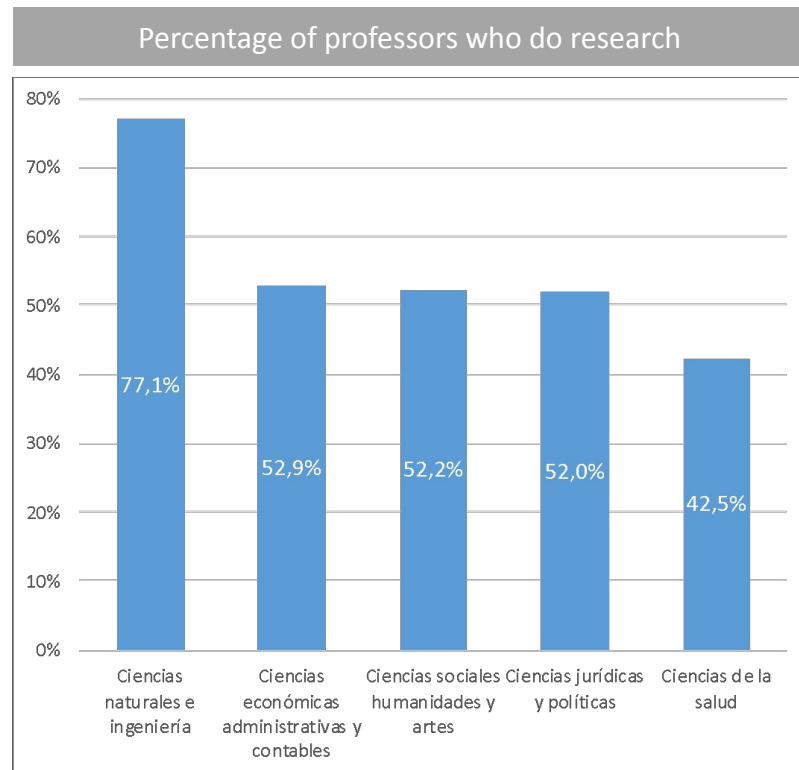
Degree and gender

Professors with active research



Source: General Research Office and Human Office. Data as of July, 2022.

Active Researchers by Area of Knowledge



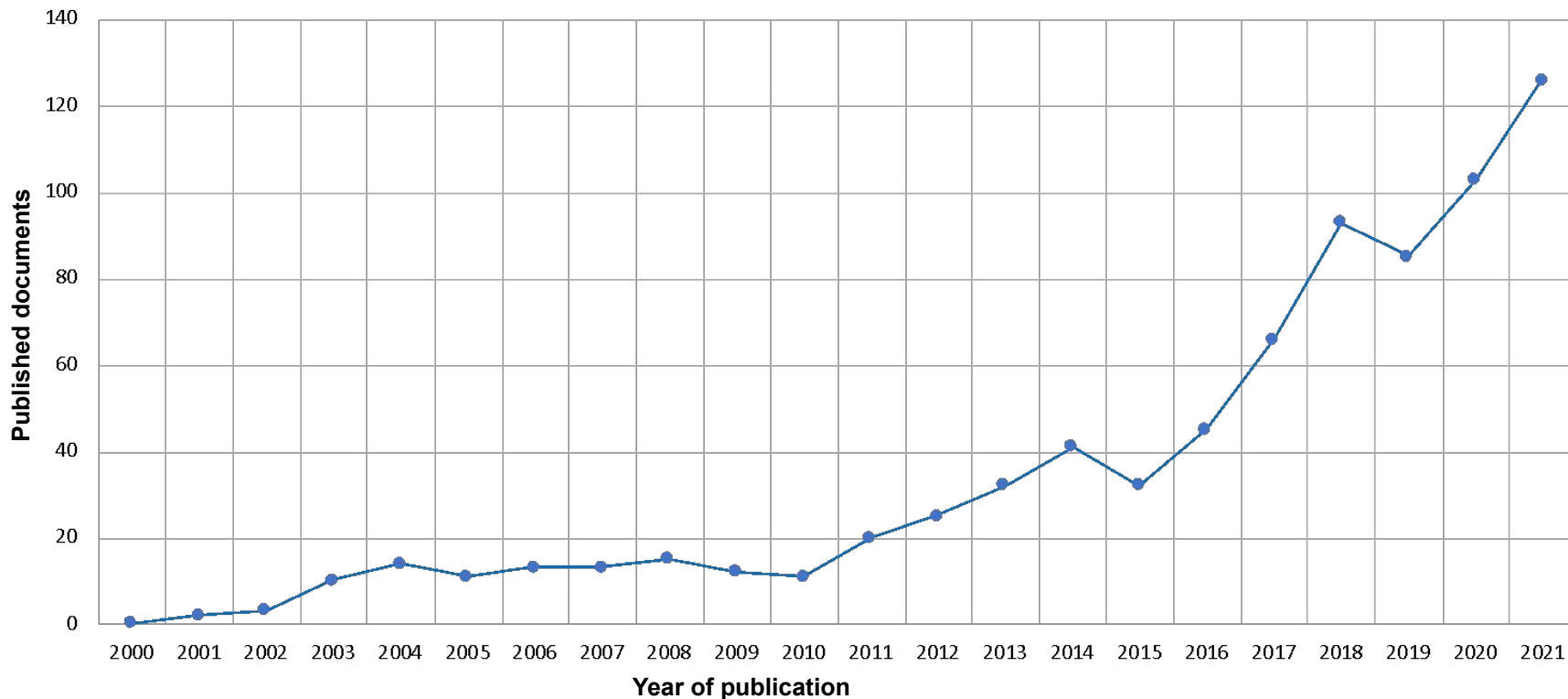
Source: General Research Office and Human Office. Data as of July, 2022.

Scientific Production

Research Journals,
patents and
publications according
to LENS and SCOPUS

Scientific Production (SCOPUS)

772 Documents published between 2000 and 2021



Source: SCOPUS. Consulted on August 7, 2022.

Countries with which we collaborate on publications



Australia and Oceania

Victoria >	New South Wales >	Queensland >	Tasmania >
South Australia >	Australian Capital Territory >	Australia (No State Affiliation Provided) >	Fiji >
New Zealand >	Solomon Islands >		

Africa

Algeria >	Benin >	Cameroon >	Cape Verde >
Côte d'Ivoire >	Egypt >	Ethiopia >	Ghana >
Kenya >	Malawi >	Mauritius >	Morocco >
Mozambique >	Nigeria >	Palestine, State of >	Senegal >
Seychelles >	South Africa >	Sudan >	Tanzania, United Republic of >
Tunisia >	Uganda >	Zimbabwe >	

America

Argentina >
New Brunswick >

Colombia >
El Salvador >
Jamaica >
Peru >
Washington >
California >
Missouri >
Oklahoma >
Michigan >
Kentucky >
New York >
Illinois >

Bolivia, Plurinational State of >
Nova Scotia >
Costa Rica >
Greenland >
Mexico >
Puerto Rico >
Minnesota >
Idaho >
Indiana >
Iowa >
Utah >
South Carolina >
Arizona >
Louisiana >

Brazil >
Alberta >
Cuba >
Guatemala >
Nicaragua >
Suriname >
Montana >
New Hampshire >
North Dakota >
Connecticut >
North Carolina >
Pennsylvania >
Massachusetts >
Nebraska >

Ontario >
Canada (No Province/Territory Affiliation Provided) >
Dominican Republic >
Haiti >
Panama >
Ohio >
Wisconsin >
Georgia >
Texas >
Tennessee >
Nevada >
Mississippi >
Colorado >
United States (No State Affiliation Provided) >

British Columbia >
Chile >
Ecuador >
Honduras >
Paraguay >
Maryland >
Maine >
Alabama >
Kansas >
South Dakota >
New Jersey >
Virginia >
Florida >
Uruguay >

Europe

Albania >
Croatia >
Finland >
Hungary >
Lithuania >

Austria >
Cyprus >
France >
Iceland >
Luxembourg >

Belgium >
Czech Republic >
Georgia >
Ireland >
Macedonia, The Former Yugoslav Republic of >

Bosnia and Herzegovina >
Denmark >
Germany >
Italy >
Malta >

Bulgaria >
Estonia >
Greece >
Latvia >
Moldova, Republic of >

Montenegro >
Romania >
Slovenia >
Ukraine >

Netherlands >
Russian Federation >
Spain >
United Kingdom >

Norway >
San Marino >
Sweden >

Poland >
Serbia >
Switzerland >

Portugal >
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Turkey >

Asia

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Malaysia >
Qatar >
Tajikistan >
Viet Nam >

Brunei Darussalam >
Iran, Islamic Republic of >
Korea, Republic of >
Myanmar >
Saudi Arabia >
Thailand >
Yemen >

China >
Israel >
Kuwait >
Nepal >
Singapore >
Tonga >

Hong Kong >
Japan >
Kyrgyzstan >
Pakistan >
Sri Lanka >
Turkmenistan >

India >
Jordan >
Lebanon >
Philippines >
Taiwan, Province of China >
United Arab Emirates >

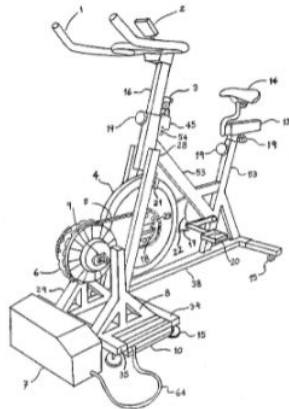
Source: apolo.unab.edu.co according to data mainly from SCOPUS.

Patents

4 patents obtained, 16 filed and in the process of obtaining

1

Invention Patent
(2017, 20 years):
**Assisted Rehabilitation
System**
Barragán Gómez Johann



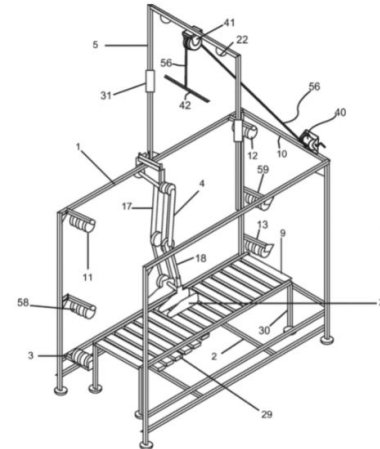
2

Invention Patent
(2017, 20 years):
**Obtaining biofertilizer
from pig excreta**
Graciela Chalela Álvarez



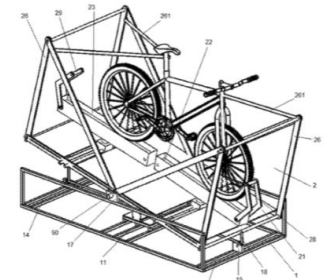
3

Utility Model
(2018, 10 years)
On International PCT application
Gait Trainer System
Barragán Gómez Johann
German Andrés Ovalle Silva



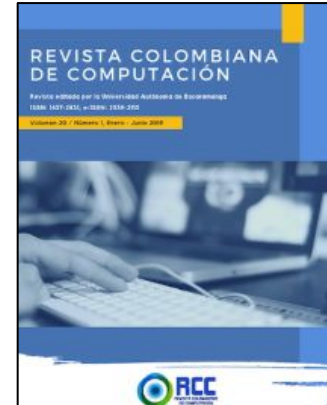
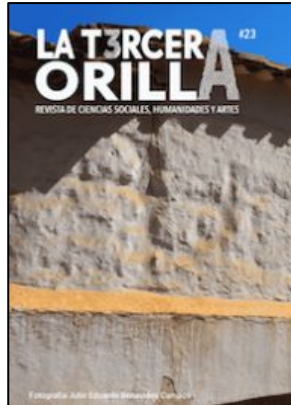
4

Invention Patent
(2019, 20 years)
On International PCT application
**Road Cycling simulation
platform**
Barragán Gómez Johann
Deiby Alejandro Triana Archila



Research Journals edited by UNAB

<https://revistas.unab.edu.co/>



Open Science

<https://unab.edu.co/cienciaabierta>



La **Universidad Autónoma de Bucaramanga (UNAB)** se enorgullece de presentarles la revista científica **Ciencia Abierta**, un bello y edificante ejemplo del compromiso con el conocimiento y el progreso de nuestro entorno. Dudar, preguntar, explorar, analizar, discernir, verificar, conocer y debatir: estos componentes son el origen del nombre de nuestra revista, tal como la arraigada expresión referida a dejar constancia de una labor profunda y rigurosa.

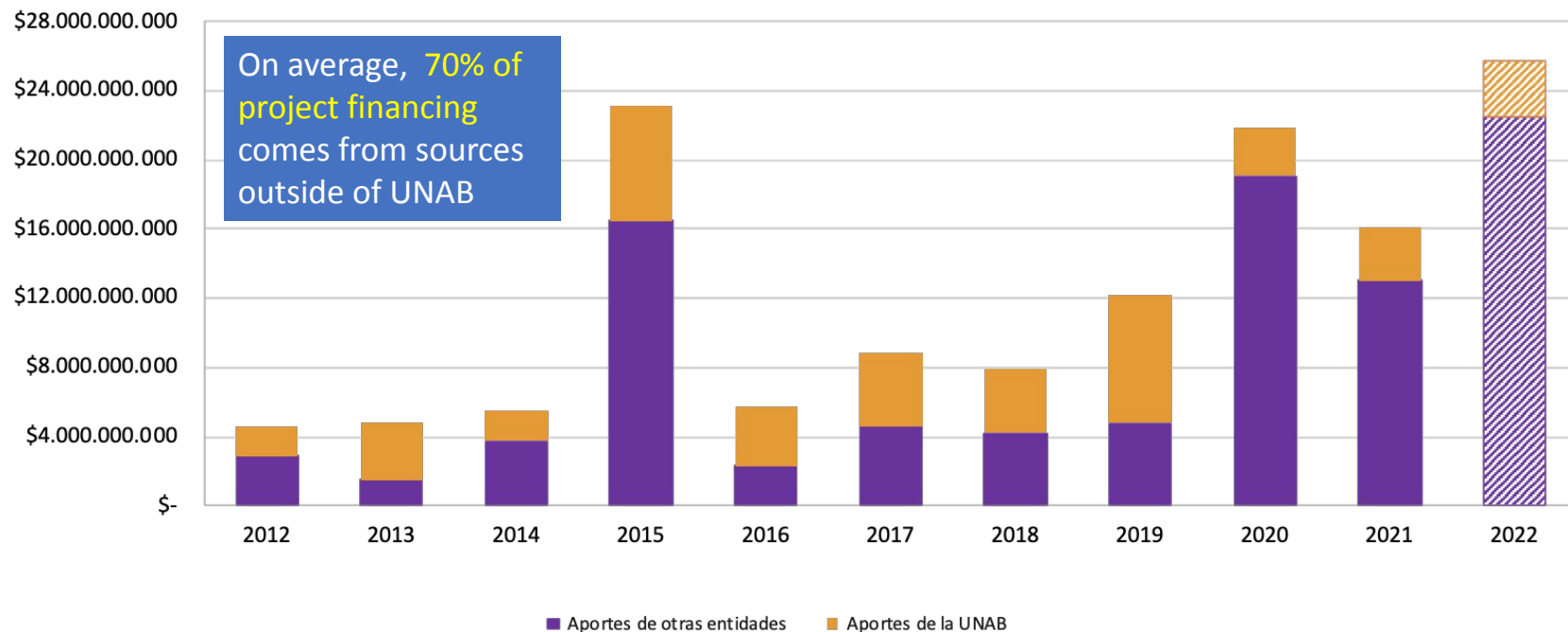


Research Projects

Internal and External
Calls

Sources of funding for research projects

\$ 136.391.000.000 COP* for projects approved in the last 10 years.

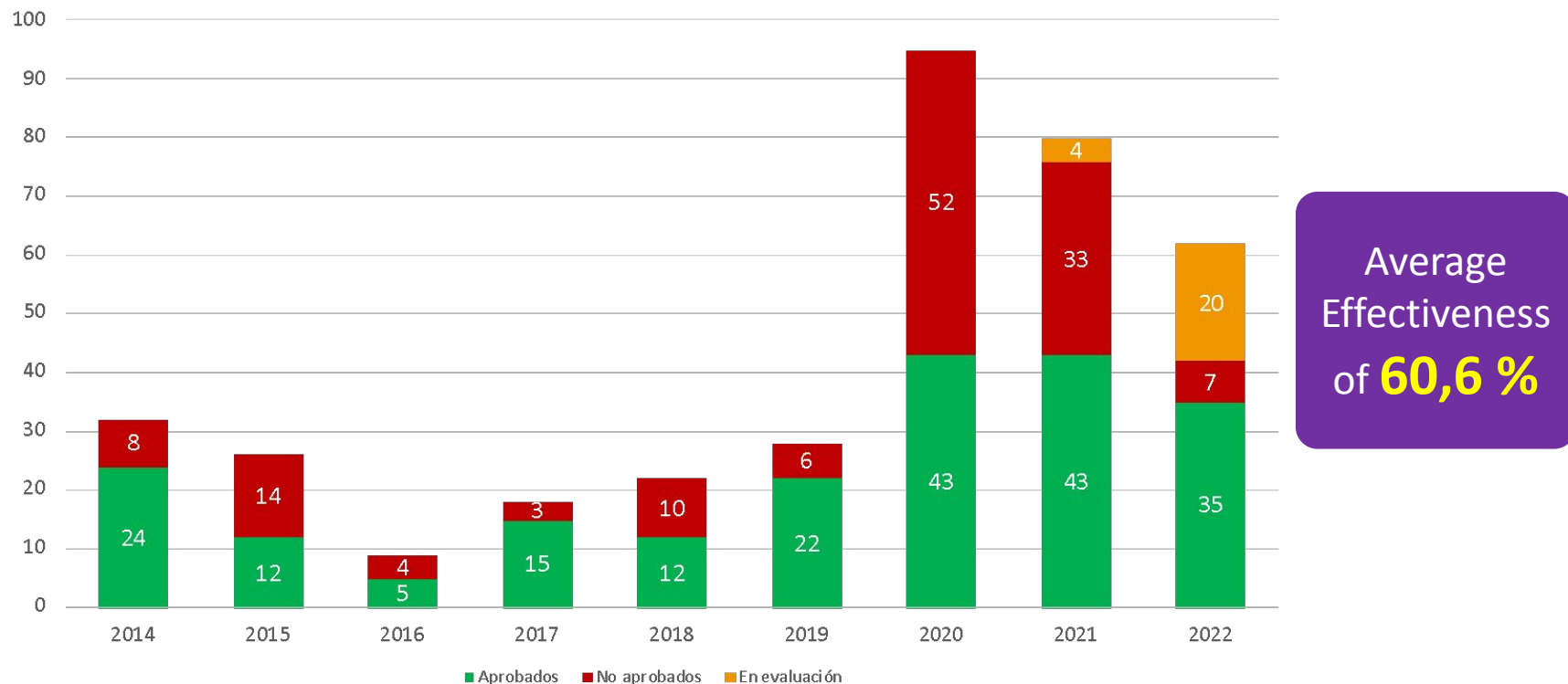


Source: General Research Office. Data as of July 2022.

* More than 45 million dollars.

Effectiveness in participation in external calls

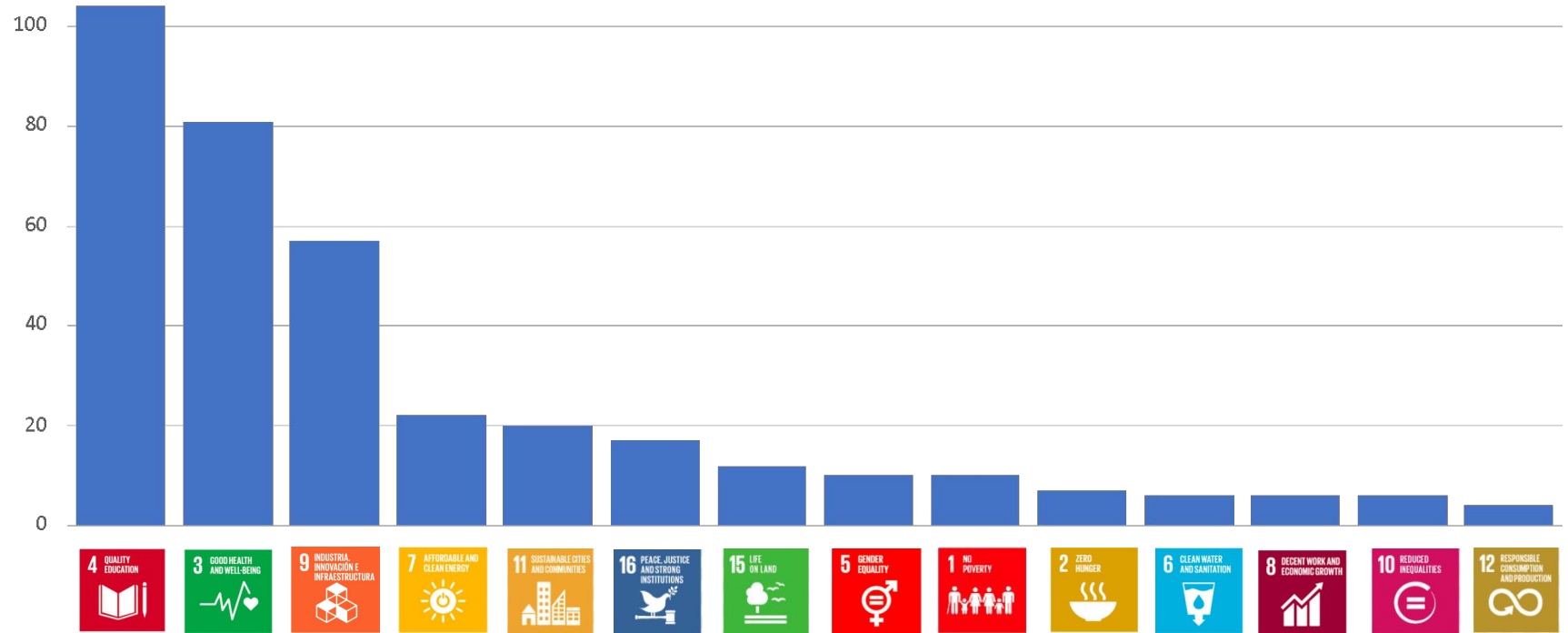
372 projects submitted to external calls since 2014.



Source: General Research Office. Data as of July 2022.

Project focus on the SDGs

Number of projects by Sustainable Development Goals since 2007.



Source: General Research Office. Data as of March 2022.



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