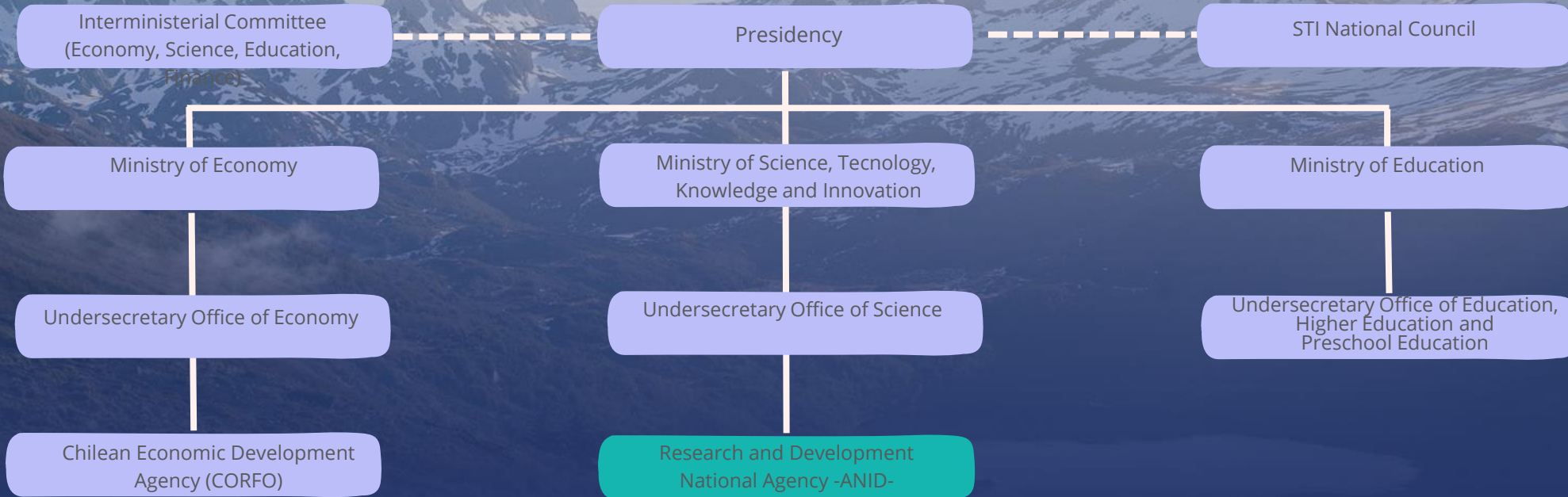
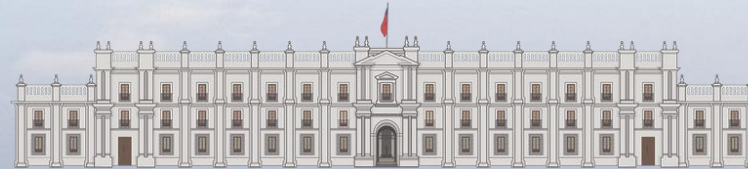


# Agencia Nacional de Investigación y Desarrollo- ANID

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26 August 2024





# ANID at a Glance

## Values

- Excellence
- Equity
- Transparency
- Unity

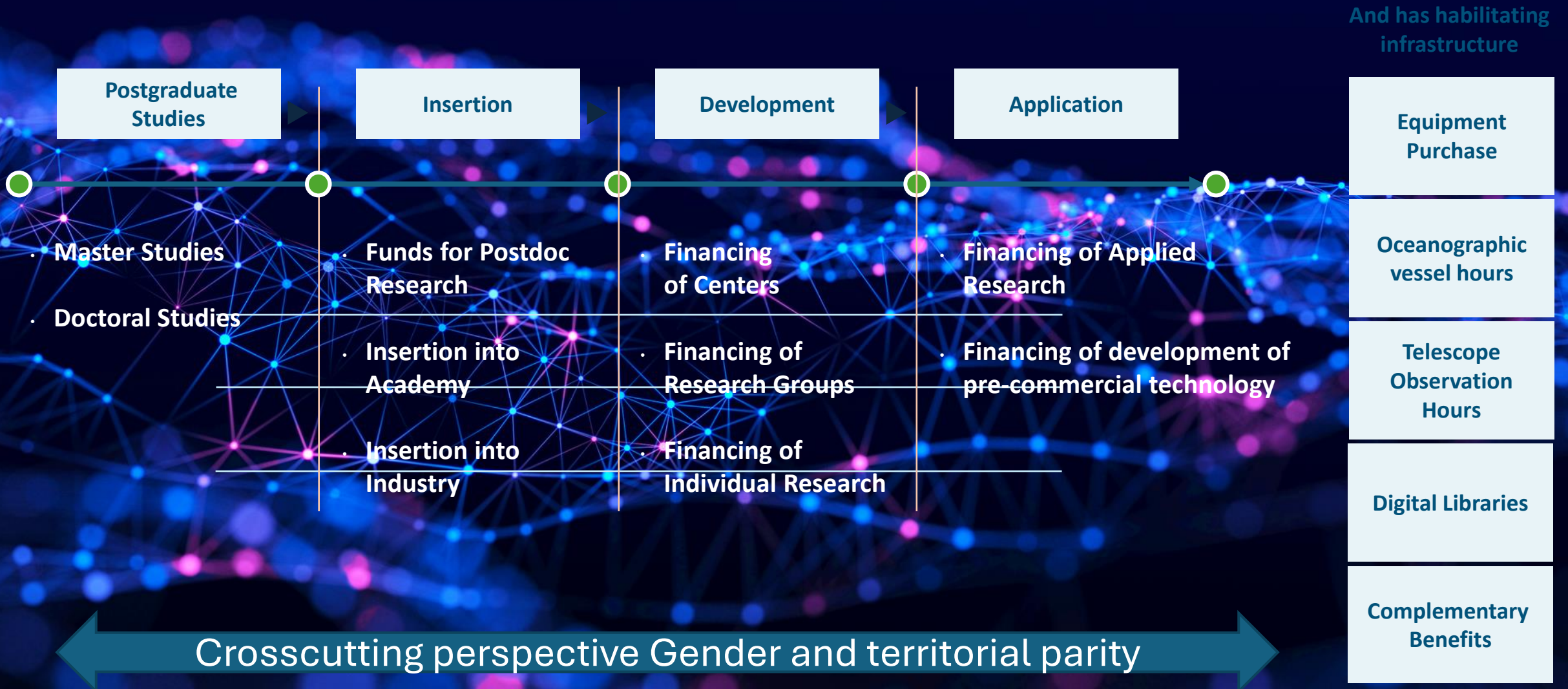
## Mission

To promote, encourage and develop research in all the areas of knowledge and social and economic sectors, assuring excellence, transparency and equity in the allocation of resources, through its different programs and ministerial policies.

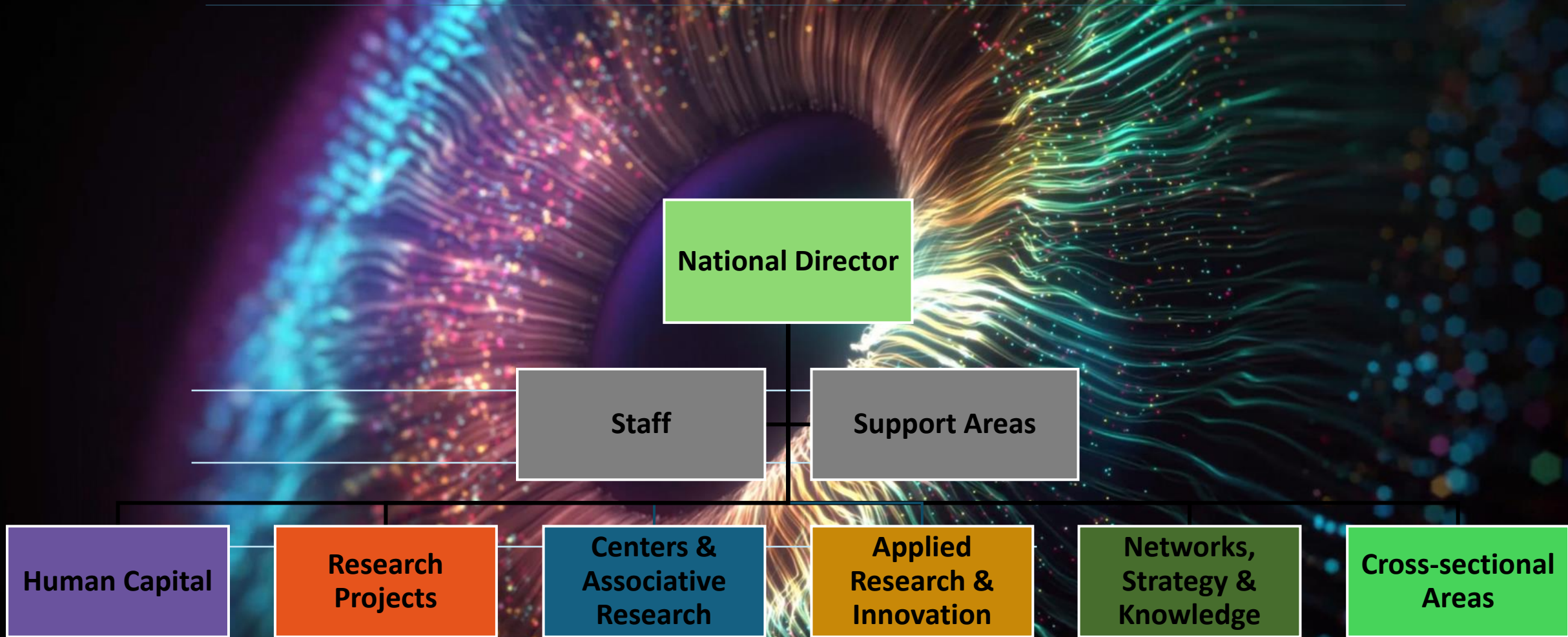
## Facts and Figures (2023)

- ANID is the main R&D public agency in Chile
- 70% of the R&D public budget
- 30% of the total R&D national expenditure
- Over 80 open competitive calls
- Over 25,000 project application
- Over 4,000 grants awarded
- Over 14,000 administrated yearly
- 30% project approval rate
- 405 collaborators
- Over 5,500 external evaluators

# ANID OPORTUNITIES FOR RESEARCHERS IN SCIENCE, TECHNOLOGY, KNOWLEDGE, INNOVATION



# ANID'S STRUCTURE

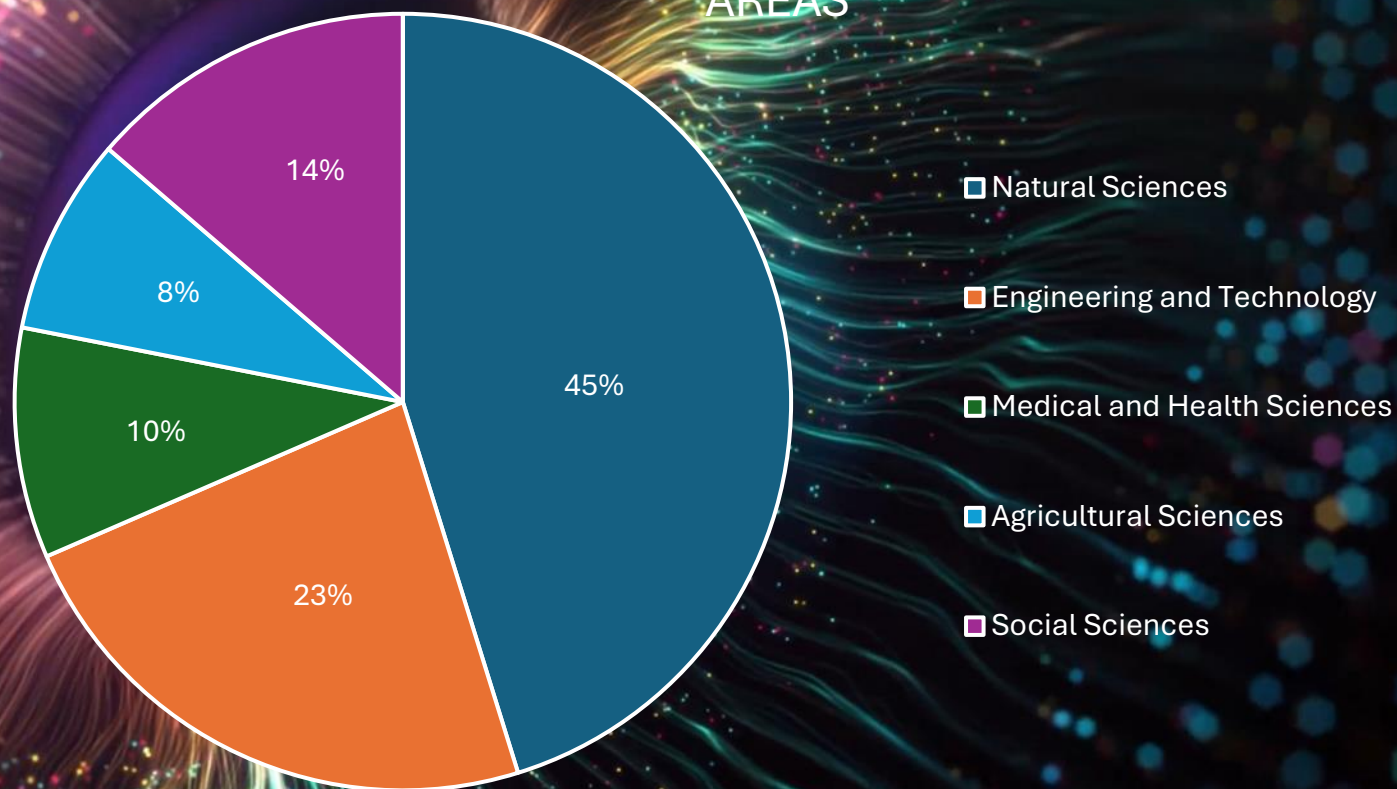


# ANID's Research Centers Policy

Our institution has a **strong and robust research centers Policy** which has been creating for many years, the landscape of a mature ecosystem.

Today, there are more than **70 research centers** among the entire country, funded by **ANID**

REPRESENTATION OF ANID CENTERS ACCORDING TO OECD AREAS



Each year, ANID invests more than USD \$70 million in our research centers, which includes the awarded amounts for CCTVAL (USD \$18.5 million) and SAPHIR (USD \$10.5 million) , and other centers in the fields of Engineering, Data, AI, Quantum Optics and others

#### Research Centers funded by ANID in Engineering, Data, AI, Optics

**IHEALTH, USD \$8.8 million**

**IMFD, USD \$6.1 million**

**AC3E, USD \$14.5 million**

**INRIA Chile, USD \$11.1 million**

**CMM, USD \$36.3 million**

**NLHPC, USD \$2.2 million**

**ISCI, USD \$24.7 million**

**CENIA, USD \$15.1 million**

**DO, USD \$2.6 million**

**MIRO, USD \$10.5 million**

# Chile-CERN Collaboration

ANID and previously CONICYT has made huge efforts to develop Chilean science and we continue to do so

# 2023

# 2007

Chile's STI Policy has been very stable through different administrations, constituting a State Policy

Signature of the Protocol for the Participation of Chilean Institutions in High Energy Physics Experiments at CERN, 2007

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# Human Capital Policy

As an institution we are convinced that any efforts we could make are useless if there's no investment in Human Capital. Thus, ANID has been making through many years, huge efforts to form great professionals and researchers.

ANID funded more than 28.000 students in Master and PhD programs since 2008

In 2018, we opened for the first time a special call to form professionals in fields of Digital Transformation, and today we are mainly focused in AI.

**Master and PhD in Physics: 467**

**Master and PhD since 2022 in AI: 148.**

# Strengthening our Ecosystem

CONCURSO  
CIENCIA  
**2030**

CONCURSO  
**INGENIERÍA**  
**2030**

CONCURSO  
**NODOS**  
MACROZONALES

# Engineering and Sciences 2030

## Three stages:

10 months

72 months / 6 years

36 months / 3 years

**Diagnosis and design  
of the strategic plan**

**Implementation of the  
strategic plan**

**Consolidation of the  
strategic plan**

## TRANSFORMATION PROCESS

The program seeks to strengthen research, development and innovation in the academic units of the defined areas of Chilean universities, so that the generation of knowledge and technological scientific development are applicable and transferable, through three stages: design of a strategic plan , the implementation of the plan and, finally, its consolidation.

CORFO and ANID have awarded around USD \$40 millions in these initiatives

# TRL Scale by Applied Research Instruments

Public Challenges

Startup Science

Valuation of University Research (VIU)

IDeA Technological Research

IDeA Advanced Technology

IDeA R+D

2024 budget for USD \$61 millions

Basic principles observed	Concept of technology and/or formulated application	Proof of concept	Validation in laboratory tests	Validation in relevant environment	Validation in conditions close to real ones	Demonstration in real operating environment	Complete and qualified system in operational environment	System tested and operating successfully in a real environment
TRL 1	TRL 2	TRL 3	TRL 4	TRL 5	TRL 6	TRL 7	TRL 8	TRL 9

# ACCELERATION NODES OF TERRITORIAL IMPACT & NODES OF NATURAL LABORATORIES

- Landata Desert (UCN)
- LabAncestral Desert (UNAP)
- Salt Flat (UA)

- Ocean Node North-Center Zone(UCN)

## Nodo Océano

- South Andes Mountain Node South (MAS-Chile)" (UACH)

- Subantarctic Node (UMAG)
- Antarctic Node (INACH)



**NORTH**

## North Node Macrozone – Living Desert

- “Articulation and consolidation of the CI-VAL Node to accelerate the territorial impact of the CTCi in the central macrozone” (FPCT – UCN)

**CENTER**

## Center Macrozone STI – CIVVAL

- “Articulation and consolidation of the CI-VAL Node to accelerate the territorial impact of the CTCi in the central macrozone” (PUCV)

**CENTER - SOUTH**

## Nodo Macrozonal CTCi Centro Sur

- “Open science node: Co-creation of an open science model to strengthen the development of science and technology in the south-central macrozone of Chile in accordance with its territory and society” (UDEC)

**SOUTH**

## Macrozone Node STi Sur – South Connection

- “Establishment of a participatory Node to accelerate the territorial impact of the CTCi in the Southern Macrozone corresponding to the regions of La Araucanía, Los Ríos and Los Lagos” (UFRO)

**AUSTRAL**

## Macrozone Node - Austral

- “Austral Macrozone Node for the acceleration of the territorial impact of Science, Technology, Knowledge and Innovation” (UMAG)

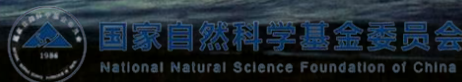
# Astronomy in Chile

- Observatory in “Cerro Tololo” in 1967 by NSF, EE.UU.
- Observatory in “Cerro La Silla”, in 1968 by Europa.
- Today there are optical and radio observatories from different countries
- Chile will have the potential to account for almost 75% of the world's observation capacity
- ANID is part of observatory committees and manages associated competitions

# International Cooperation

One of ANID's main tasks is to strengthen the internationalization of the Chilean CTCl ecosystem in collaboration, coordination and articulation between relevant actors

## Bilateral Cooperation



## Multilateral Cooperation



# Call on International Networks

## General Objective:

Support and strengthening the generation of networks to consolidate international links between national scientific and technological research and/or innovation institutions and foreign institutions, which contribute with an interdisciplinary view to the development and strengthening of the international linkage capacities of the different regions and macrozones of Chile.

A.

## Key Information:

- Our calls are open every year between May and June.
- The estimated duration is 12 months, with the possibility of extension.
- The Agency covers a variety of research costs for up to 30 millions, more information at:

<https://anid.cl/concursos/concurso-de-fomento-a-la-vinculacion-internacional-para-instituciones-de-investigacion-2024>



# International Cooperation

## Internationalization in key areas

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### 4 key areas

Priority setting is at the heart of any strategic approach to international cooperation in STI.

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Setting conditions for infrastructure

Natural Laboratories

Sustainable Development Goals

Open Science

2030 Agenda

# Hito para la astronomía nacional: Chile albergará el primer observatorio de rayos gamma del hemisferio sur

El proyecto capturará, mediante estanques de agua, partículas de rayos gamma que llegan a nuestra atmósfera para construir, desde el territorio nacional, un mapa del Universo.

21 de Agosto de 2024 | 19:26 | Por T. Flecher, Emol



La ministra de Ciencia, Aisén Etcheverry, durante el anuncio.

"Observatorio de Rayos Gamma Cósmicos SWGO", así se llama el último proyecto astronómico que anunció su instalación en Chile. Con seis mil estanques de agua sellados, que recibirán explosiones de astro partículas con valiosa información del centro de la Vía Láctea, de agujeros negros y de otros procesos, la iniciativa será construida al norte del país, en el Desierto de Atacama, Región de Antofagasta.

AUG. 16, 2024

## Chile will host the largest astronomy event in the world

The International Astronomical Union (IAU) General Assembly will be held in Santiago in 2030. It will welcome more than 3,000 visitors.

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# Agencia Nacional de Investigación y Desarrollo


Ministerio de Ciencia,  
Tecnología, Conocimiento  
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