



TECHNOLOGICAL AREAS OF INTEREST

The Institute will focus its R&D on new materials and innovations in three main technological areas.



SOLAR ENERGY **LOW EMISSION MINING** **LITHIUM BASED ADVANCED MATERIALS**

- ▶ Solar electricity and storage technologies.
- ▶ Development and integration of solar fuels.
- ▶ Innovations to integrate solar heat in mining and industrial processes.
- ▶ Desalination and water treatment.
- ▶ A circular economy approach to energy sustainability and the reduction of the carbon footprint in metal mining.
- ▶ New low emissions mining-metallurgical processes.
- ▶ Innovations for the traceability of greenhouse gas emissions.
- ▶ Innovations for the sustainability of the non-metallic mining industry.
- ▶ Innovations in advanced materials based on lithium, salts and other strategic minerals.
- ▶ Development of technologies to extract and concentrate scarce products used in batteries and storage, such as cobalt, more efficiently.

APPLICATION INFORMATION

PARTICIPATING ENTITIES AND STRUCTURE

The beneficiary will be a legal person constituted or to be constituted as nonprofit in Chile, structured in order to ensure a permanent focus on productive innovation in addition to the generation of applied research and development.

Applications must contemplate strategic alliances to address the Institute's areas of interests. Strategic partners can include:

- ▶ Private or public technological institutions, oriented to applied research, technological development and productive innovation.
- ▶ National or foreign entities leaders in technological development and innovation.
- ▶ Companies and/or industrial trade associations in the sectors of mining, energy, technology, manufacturing or other related to the areas of interest.
- ▶ An entity of regional character or with domicile in the region of Antofagasta.

LOCATION AND INFRASTRUCTURE

The technological institute's infrastructure must include technology test sites, industrial pilot plants and laboratories for applied research located in the region of Antofagasta.

R & D CONTRIBUTIONS

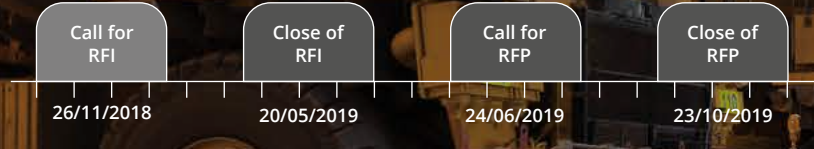
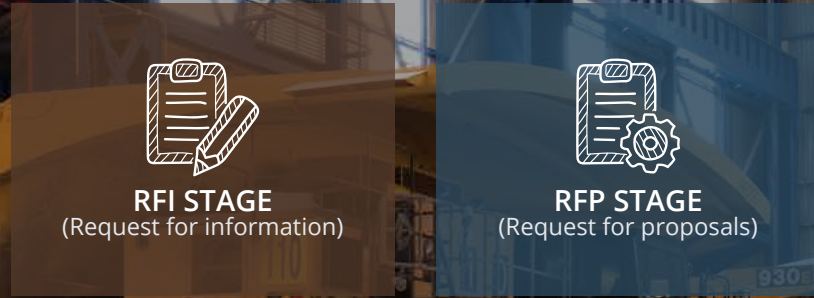
Over a period of 10 years, the maximum public subsidy for the Institute is USD 193,485,024 with a private co-financing structure of at least 30% of the total budget.

A TWO-STAGE APPLICATION PROCESS

RFI STAGE (REQUEST FOR INFORMATION)

The purpose of the RFI Stage is to gather information from the market and the industry regarding the conformation, technological agenda, roles, functions and corporate governance of the Technological Institute.

National and international players will have the opportunity to share their capacities, experiences, best practices and visions for the role of the Technological Institute in Chile and abroad.



RFP STAGE (REQUEST FOR PROPOSALS)

During the Request for Proposal (RFP) Stage, RFI proposals that meet the minimum admissibility criteria will proceed with the second stage where applications over cut-off score will receive:

- ▶ A bonus increase of 5% (five percent) of the final score in the RFP stage.
- ▶ They will be able to modify their proposals, up to 10% with regards to the base contributions percentage for the rest of the bidders, in the application to the next RFP Stage

FOR MORE INFORMATION

Please visit www.corfo.cl

For more details, guidelines and requirements. Do not hesitate to contact convocatoriarfi@corfo.cl for any questions.



CHILEAN CLEAN TECHNOLOGIES INSTITUTE



WHY CLEAN TECHNOLOGIES?

Global warming can be limited by reducing or avoiding greenhouse gases stemming from human activities—particularly in the energy, industry, transport, and building sectors—which together account for over 75% of global emissions. Therefore low emission technologies are key to achieving mitigation while creating new economic opportunities.

WHY CHILE?

ON-GOING LEADERSHIP

A solid economic foundation makes us OECD's highest-ranking South American economy.

HIGH-LEVEL TALENT

We are the regional talent magnet.

A LATIN AMERICAN HUB

We have signed more FTAs than anyone on the planet.

TRENDSETTER

Natural laboratory for new-tech and green business.

Source globalsolaratlas.info

ATACAMA DESERT

HIGHEST SOLAR POTENTIAL

>3.500
KWH/m² YEAR

>4.200
SUN HOURS / YEAR



CHILE
28%
world's total
production
COPPER

CHILE
54%
world
LITHIUM
reserves



OPPORTUNITIES FOR CHILE



Increasing growth of electromobility and hydrogen-based economies.



By 2030 there will be 20-40 million electric vehicles.



2-4 million tons of low emission Copper (10%-20% of World Production).

THE CALL

To address these current demands, Corfo has decided to contribute to the creation of the largest Technological Institute ever created in the country. The Institute will have a strong industrial focus on the development, scaling and adoption of technological solutions in the areas of solar energy, low emission mining and advanced materials of lithium and other minerals.

Corfo expects the Technological Institute will become an international reference in its technological areas of interest as well as serve as a global innovation and entrepreneurship hub.

THE TECHNOLOGICAL INSTITUTE WILL BE CENTERED ON:

- ▶ **Research and technological development** with the aim of producing intellectual property and technology transfer for the industry.
- ▶ **Technological and consultancy** services provided to private companies and public organizations.
- ▶ **Human capital training** in collaboration with national and international education entities.
- ▶ **Knowledge dissemination and Innovative technology implementation**, especially for SMEs.
- ▶ **Promotion of entrepreneurship and technology-based innovation** to develop and implement technological solutions that will create local value.