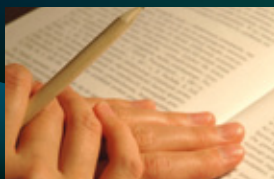
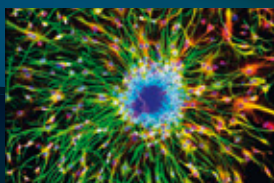




**CONICYT**  
Ministry of  
Education

Government of Chile

# Science, Technology and Innovation for the Development of Chile



## CONICYT: MOBILIZING S&T KNOWLEDGE FOR INNOVATION AND DEVELOPMENT

For over four decades, the National Commission for Scientific and Technological Research, CONICYT, has been the main driving force for the development of science and technology in Chile. In close association with universities, scientific and technological research centres and the productive sector, CONICYT has taken a leading role in improving the quality of life of our population and in promoting competitiveness of Chilean economy.

This publication provides a general overview of our institution, its programmes, initiatives and funding instruments, and the main achievements for 2010. These aim at strengthening scientific research and technological development, and applied science at national level and their international inclusion, the formation of researchers required by the country, and the dissemination among Chileans of a scientific culture that values the contributions and presence of knowledge in our everyday life.

In 2010, our institution was responsible for more than half of the public investment in science, technology and formation of advanced human capital, with a budget of approximately US\$ 428 million. Relevant areas for the development of the country, such as education, received an important amount of resources for financing research projects, master's and PhD scholarships and support to advanced research centres in strategic areas.

Our country is aiming to achieve investment levels in science and technology that allow progressing towards a knowledge-based development. For this purpose, the Chilean government maintains, through CONICYT, a strong commitment with science, technology and innovation.

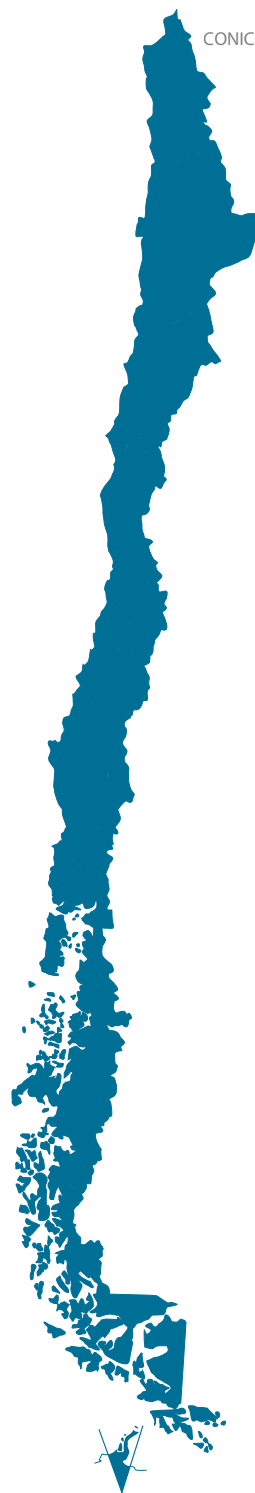
**Jose Miguel Aguilera, PhD**  
President of CONICYT

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## SOME FACTS ABOUT CHILE

Chile is a country located in South America. It is surrounded by the Pacific Ocean to the West and the Andes Mountains to the East. It borders with Argentina, Peru and Bolivia. It stretches over 4300 km and its width never exceeds 240 km.

### Population:

17,248,450.

### President:

Sebastián Piñera.

### Currency:

Peso chileno.

### Capital:

Santiago de Chile.

### Literacy rate:

95.7%

### Weather:

Temperate. Desert in the north, mediterranean in the central zone and moist and cold in the south.

### Geography:

Tri-continental country: American, Insular (Easter Island and Salas y Gómez Island) and Antarctic Chile. Its total surface is 2,006,096 km<sup>2</sup>.

### Exports:

Mining sector: essentially copper as well as iron, nitrate, precious metals and molybdenum; industrial sector: mainly foods (juice and canned fruits, canned fish, salmon and trout) and

forest products (cellulose, wood furniture and wine); and the agro forestry sector: fruits and agricultural exports.

### GDP:

US\$ 222 billion. (Source: 2010 estimate, International Monetary Fund, IMF).

### GDP Invested in R&D:

0,4% (Source: 2008 Third R&D Poll, Ministry of Economy).

### Private Sector participation in R&D:

43,7% of R&D expenses are financed by the private sector. (Source: 2008 Third R&D Poll, Ministry of Economy).

### Member of:

OECD (since 2010), UN, OAS, IDB, APEC, Rio Group, LAIA, OLADE, TPP, OEI, CIN, Unasur, WTO, G-77 and WHO. It is also associated to the CAF, the Andean Community and Mercosur.

### Export Partners:

China, United States, Japan, Italy, Brazil, The Netherlands and South Korea.

### Import Partners:

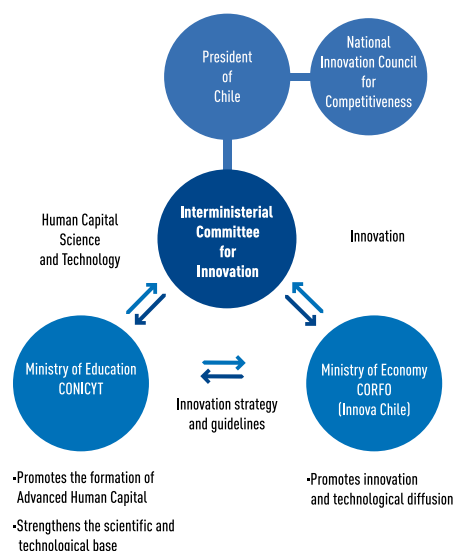
United States, China, Brazil and Argentina.

Source: National Institute of Statistics, Central Bank, Ministry of Foreign Affairs.

# SCIENCE AND TECHNOLOGY IN CHILE



## The National Innovation System



The National Innovation System is headed by the President of the Republic, who is directly advised by the National Council for Innovation and Competitiveness (CNIC).

The CNIC proposes general guidelines for elaborating a National Innovation Strategy. These guidelines are reviewed by the Committee of Ministers for Innovation, which defines short, medium and long-term policies in Science, Technology and innovation (S&T+i) and is in charge of supervising the appropriate implementation of the National Innovation Policy.

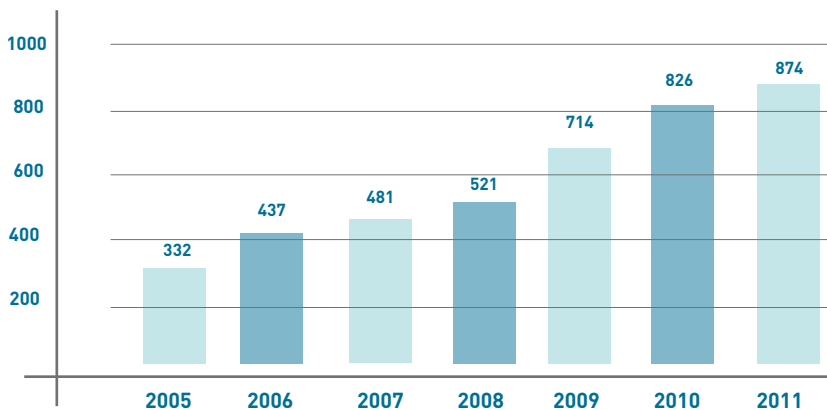
The Ministries of Education and Economy have a leading role in the Committee of Ministers for Innovation, and their participation is channelled through the two main public institutions devoted to the development of S&T+i: the National Commission for Scientific and Technological Research (CONICYT) and the Economic Development Agency (CORFO).

CONICYT, an agency of the Ministry of Education, is responsible for promoting the formation of human capital and strengthening the country's scientific and technological base. Additionally, CORFO is in charge of increasing competitiveness of companies through innovation, entrepreneurship and technological transfer.

In addition to formulating policies of the S&T+i System through the National Council for Innovation and Competitiveness, the Government of Chile also promotes a great percentage of national research and plays an essential role in funding a major part of research in universities and companies through direct contributions or competitive grants.

For this purpose, the public budget of the Chilean National Innovation System was raised from US\$ 322 million in 2005 to US\$ 874 million in 2011, which corresponds to an increase of 170%. This investment in S&T+i represents a 0.4% of the Gross Domestic Product of the country estimated for 2011 (US\$ 222 billion according to the IMF).

**Budget of the National Public Innovation System (million of dollars\*)**



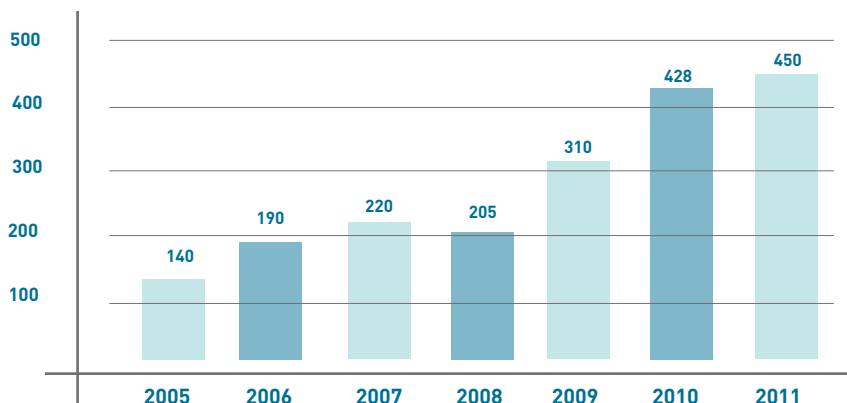
Source: Department of Studies and Strategic Planning, CONICYT

\* Exchange rate: USD 1.00 = CHF 475.69 (average dollar February 2011)

# ABOUT CONICYT



**Total CONICYT budget  
(million of dollars\*)**



Source: Department of Studies and Strategic Planning, CONICYT

\* Exchange rate: USD 1.00 = CHF 475.69 (average dollar February 2011)

The National Commission for Scientific and Technological Research, CONICYT, was founded in 1967 as an advisory body for the Presidency in matters of scientific development. It is an autonomous public institution within the National Innovation System, dependent from the Ministry of Education.

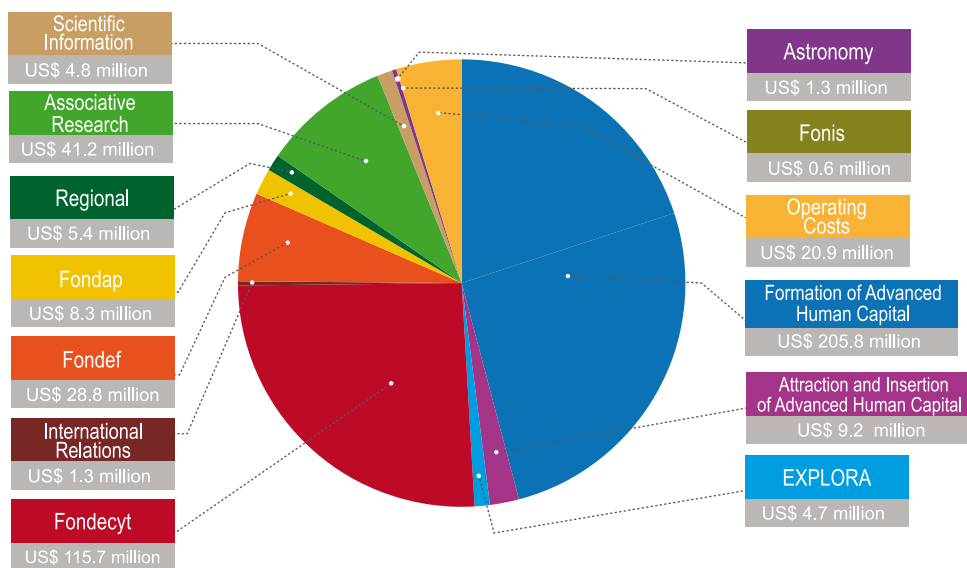
CONICYT has two broad objectives or strategic pillars: promoting the formation of human capital and strengthening the country's scientific and technological base. Both pillars are supported transversely by the scientific information and international relations programmes.

In order to advance towards fulfilling its two strategic objectives, CONICYT features diverse funding instruments implemented through public calls, in which the submitted applications are evaluated through peer-review until they are selected and awarded with a grant.

The programmes dedicated to promoting the scientific and technological base are: Fondecyt, Fondef, Fondap, Associative

Research Programme, Regional Programme, Astronomy Programme and Fonis. Regarding formation of human capital, the programmes involved are: Advanced Human Capital Formation Programme, Attraction and Insertion of Advanced Human Capital Programme and EXPLORA Programme. Additionally, two initiatives offer complementary support for the two strategic pillars: International Relations and Scientific Information.

## CONICYT's 2011 budget



\* Exchange rate: USD 1.00 = CHP 475.69 (average dollar February 2011)



# CONICYT PROGRAMMES

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## SCIENTIFIC AND TECHNOLOGICAL FOUNDATIONS

Fondecyt

Fondef

Fondap

Associative Research

Regional

Astronomy

Fonis

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## HUMAN CAPITAL

Formation of Advanced  
Human Capital

Attraction and Insertion of  
Advanced Human Capital

EXPLORA

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## COMPLEMENTARY SUPPORT

International Relations

Scientific Information

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# SCIENTIFIC AND TECHNOLOGICAL FOUNDATIONS

## FONDECYT PROGRAMME

**[ Director: María Elena Boisier ]**  
**[ E-mail: meboisier@conicyt.cl ]**

The National Fund for Scientific and Technological Development, Fondecyt, is the main public fund for supporting individual research in Chile. It is oriented towards strengthening basic research in all areas of knowledge. Created in 1981, the programme has funded over 14,000 research projects, which have had a significant impact on the country's scientific activity and have generated a critical mass of researchers.

It features three **lines of action**:

- Regular Call for Research Projects, aimed at researchers with proven experience in diverse areas of knowledge.
- Call for Research Initiation Projects, launched in 2006 for new scientists and renewing human resources dedicated to research.
- Call for Postdoctoral Studies in Chile, for researchers who have previously obtained their PhD degree.

### **Achievements 2010:**

- A 22% increase in research projects awarded through the Regular Call (503 in 2011 versus 413 in 2010).
- A 12% increase in projects awarded through the call for Research Initiation Projects (150 in 2009 versus 168 in 2010).

- A 13% increase in the amount of projects awarded for Postdoctoral Studies in Chile (from 80 in 2009 to 90 in 2011).
- Over 150 researchers with completed Research Initiation Projects were selected in the 2011 Regular Call (30% of the total).

### **2011 Budget**

**US\$ : 115.7 million**



## FONDEF PROGRAMME

**[ Director: Gonzalo Herrera  
E-mail: gherrera@conicyt.cl ]**

The Fund for Promotion of Scientific and Technological Development, Fondef, was created in 1992. It promotes the liaison and association between research institutions, companies and other entities with the purpose of developing applied research projects and technological development projects.

### Lines of Action:

- Annual Call for Research and Development (R&D) Projects.
- Annual call for Valuation of Research Results.
- Towards a Global Aquaculture (HUAM) Programme.
- Programme of Effective Information and Communication Technologies for Education (TIC-EDU).
- Red Tide Programme.
- Fondef Regional Programme (with resources from the Innovation Fund for Regional Competitiveness).
- Programme for R&D in Bioenergy.
- Functional Foods Programme.
- Programmes with Innova Chile:
- Genoma Chile Programme.
- Programme of Bio-Technological Tools for Genetic Improvement in Fruiticulture.
- Programme for Diversification of Chilean Aquaculture.

### Achievements 2010:

- The Annual R&D Call granted 42 projects amounting over US\$ 26 million.
- TIC-EDU allocated US\$ 2 million for six projects.
- In 2010, allocations through the first versions of four new R&D Programmes in Bioenergy (US\$ 1.2 million for four projects), Functional Foods Programme (US\$ 2 million for six initiatives), Programme of Bio-Technological Tools for Genetic Improvement in Fruiticulture (US\$ 3 million for two initiatives), and Programme of Diversification of Aquaculture (US\$ 3.6 million for three projects).
- 19 new projects granted under the Call for Valorisation of Research Results.

### 2011 Budget

**US\$ : 28.8 million**



## FONDAP PROGRAMME

**[ Director: María Elena Boisier ]**  
**[ E-mail: meboisier@conicyt.cl ]**

The Fund for Financing Research Centres of Excellence, Fondap, was created in 1997. Its objective is to generate research of excellence based on articulating multidisciplinary groups of researchers with proven productivity in areas where basic science in Chile has reached a high level of development.

Fondap's **Line of Action** is the creation of Centres of Excellence, which operate for 10 years. Through the first two calls, the following university-based centres were supported :

- Centre for Advanced Interdisciplinary Research in Materials Science (CIMAT) and Cell Regulation and Pathology Centre (CRCP), both ended in 2009.
- Mathematical Modelling Centre (CMM), Universidad de Chile, concluded in 2010.
- Centre for Advanced Studies in Ecology and Biodiversity (CASEB), Pontificia Universidad Católica de Chile.
- Centre for Oceanographic Research in the Southeast Pacific Ocean (COPAS), Universidad de Concepción.
- Centre for Astrophysics (CENASTRO), Universidad de Chile.
- Centre for Molecular Studies of the Cell (CEMC), Universidad de Chile.

### Achievements 2010:

- Through the third call two new university-based centres were supported: the Genome Regulation Centre (CRG) and the “Los Andes” Centre of Excellence in Geothermics (CEGA), both located at the Universidad de Chile. In total, there are six Centres of Excellence currently in operation.
- A total of 115 master's degrees, 205 PhD degrees and 225 postdoctoral, were obtained within these centres in the last five years.

**2011 Budget**

**US\$ : 8.3 million**



## ASSOCIATIVE RESEARCH PROGRAMME

**[ Director (Acting): Isabel Meneses ]**  
**[ E-mail: imeneses@conicyt.cl ]**

The Associative Research Programme (PIA) was created in 2009 with the purpose of strengthening Chile's scientific base and promoting the use of their advances and results in order to favor the development of other sectors of the country (public and productive).

PIA seeks to promote articulation and association among researchers and their collaboration with other national and/or international actors, thus promoting the creation and consolidation of scientific and technological groups and centres.

It features four **Lines of Action**:

- Research Rings: Science and Technology; Social Sciences and Humanities; Antarctic Sciences.
- Research and Development (R&D) Centres: Centres for Research in Education; Business Technological Consortia for Research; and Scientific and Technological Centres of Excellence (Basal Funding Programme).
- Scientific and Technological Equipment: Service Centres for Shared-Use of Major Scientific and Technological Equipment.
- Liaison and Articulation: Networks and Funds for Collaboration and Liaison (national and international), Articulation Workshops and Promotion of Patenting.

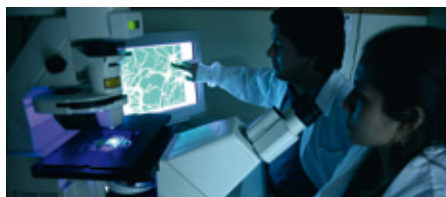
### Achievements 2010:

- Start up and continuation funding of 20 Research Rings in Science and Technology and Antarctic Sciences.

- Continuity funding of 28 Research Rings in Science and Technology, Social Sciences and Antarctic Sciences.
- Continuity funding of 13 Scientific and Technological Centres of Excellence (Basal Funding Programme). In the last three years this programme has awarded about US\$63 million for the establishment of these centres.
- Continuity funding of two Centres for Advanced Research in Education and five Business Technological Consortia for Research.
- Reevaluation and continuity funding of 3 projects for the Promotion of Patenting.
- Continuity funding of 14 projects of Articulation Workshops and seven Joint Research Projects with Finland and France.
- Granting of 11 Joint Research Projects with Finland, France and Switzerland, with a total contribution of over US\$ 1.9 million.
- Granting of four Service Centres for Shared-Use of Major Scientific and Technological Equipment. This call allocated over US\$ 14.7 million.

**2011 Budget**

**US\$ : 41.2 million**



Gentileza: CARE

## REGIONAL PROGRAMME

**Director:** Paula González  
**E-mail:** pgonzalez@conicyt.cl

The Regional Programme aims to promote and strengthen the development of capacities in science, technology and innovation at a regional level. For this purpose, it focuses on decentralising the country's scientific and technological development.

Furthermore, the programme coordinates scientific, technological and innovation activities in regions centred in thematic areas that are relevant for their development according to priorities established by their own regional authorities.

In order to fulfil their work, the Regional Programme conducts the following **Lines of Action**:

- Creation and technical and financial follow-up of Regional Centres.
- Representation of CONICYT in Regional Innovation Systems (60 entities).
- Management of Resources of the Innovation Fund for Regional Competitiveness (FIC-Regional).
- Information and Analysis on Territorial S&T+i.

### Achievements 2010:

- A total of US\$ 880,000 were allocated for strengthening of Regional Centres, mainly oriented towards management of technological transfer and equipment.

- Creation of the Centre for Scientific and Technological Research in Horticulture, in the Valparaíso Region. This is the 15th Regional Centre created to date.
- Management of FIC-Regional: Execution of over 30 regional calls for proposals under different CONICYT Programmes, such as Formation of Advanced Human Capital, Attraction and Insertion of Advanced Human Capital, Associative Research, EXPLORA, Astronomy, Fondef, and instruments of the Regional Programme.
- Regional S&T+i Policies: approval by the Regional Councils of the O'Higgins and Magallanes Regions with resources of FIC-Regional allocated to CONICYT by those areas.

**2011 Budget**

**US\$ : 5.4 millones**



## ASTRONOMY PROGRAMME

**[ Director: Mónica Rubio  
E-mail: mrubio@conicyt.cl ]**

The Astronomy Programme was created by CONICYT in 2006 with the purpose of supporting, strengthening and disseminating Chilean astronomy. Its purpose is to position this discipline as a strategic model of science development in the country, and place Chile as a global actor in this area.

Our country has the most privileged skies for astronomical observation. The world's most powerful telescopes, such as Gemini-Sur, Cerro Paranal, APEX and ALMA, are located in Chile. By 2018, 70% of the global infrastructure of telescopes will be concentrated in Chile, which translates into an investment of US\$ 5 billion. The investment is currently US\$ 2 billion.

The **Lines of Action** are:

- Management of the Atacama Astronomical Park which comprises over 36,000 hectares (88,950 acres) located in the Antofagasta Region. Currently, the Tokyo Atacama Observatory (TAO), the Cerro Chajnantor Atacama Telescope (CCAT) and the Atacama Cosmology Telescope (ACT) are located in the Park. Additionally, four projects are currently under evaluation.
- Management of Chilean observation times in the Gemini-Sur and APEX telescopes.
- Management of "Funds for the Development of Astronomy in Chile", granted by Gemini-CONICYT and ALMA-CONICYT.
- Management of postdoctoral grants, postgraduate scholarships, internships and visiting lecturers.

- Promotion of scientific and technological cooperation and attraction of new projects and investment in astronomy through strategic alliances with foreign institutions.

### Achievements 2010:

- CONICYT has been granted the concession of the Atacama Astronomical Park for 50 years.
- Granting of 23 projects: 10 of ALMA-CONICYT (US\$ 306,000) and 13 of Gemini-CONICYT (US\$ 480,000).
- Allocation of over 250 observation hours to Chilean researchers at the Gemini-Sur telescope and 500 hours at the APEX telescope.
- Inauguration of the Mini-TAO Telescope (Japan) at the top of the Chajnantor Hill at 5,640 meters above sea level, the world's highest located telescope.

### 2011 Budget

**US\$ : 1.3 million**



Photo: Gemini Observatory



## FONIS PROGRAMME

Director: Ximena Luengo  
E-mail: [mluengo@conicyt.cl](mailto:mluengo@conicyt.cl)

The National Fund for Research and Development in Health, FONIS, is an initiative implemented by CONICYT and the Ministry of Health since 2004 with an equal financial contribution of both institutions.

It aims to promote the generation of new knowledge that contributes to improve decision-making in health, from the design of sanitary policies to clinical decisions. Furthermore, it promotes the formation of human capital on applied research methodologies.

This programme has the following **Lines of Action**:

- National Call for Research and Development Projects in Health. Since its creation in 2004, it has granted over US\$ 6.7 million and financed 178 research projects.
- National Call for Training Programmes in Research Methodology Applied to Health. This initiative was created in 2007 with the aim of increasing competitiveness of projects presented to FONIS and the capability of researchers to formulate and develop research proposals in applied health. To date, two calls for proposals have been conducted which have provided support to six programmes for a total of US\$ 506,000.

### Achievements 2010:

- Granting of 30 new projects amounting over US\$ 1.5 million.
- Regional participation in the last call increased to 37% of the applicants, which is the highest participation considering the three previous years.
- Projects relevant for public health were supported, such as "Assessment of Results of the Pilot Plan for Treatment of Hepatitis C", which provided scientific evidence for incorporating the treatment of this disease in the Plan of Explicit Guarantees in Health (GES).

### 2011 Budget

**US\$ : 631 thousand\***



\* Ministry of Health contributes with a similar amount



# HUMAN CAPITAL

## FORMATION OF ADVANCED HUMAN CAPITAL

**Director: Denise Saint-Jean**  
**E-mail: dsaintjean@conicyt.cl**

The Programme of Formation of Advanced Human Capital was created in 1989. The main objective of this initiative is to increase the number of researchers and professionals of excellence highly skilled in all areas of knowledge, thus promoting Chile's economic and social competitiveness and its active participation in a globalised world. Through this programme, CONICYT has become the main governmental agency in charge of managing postgraduate scholarships.

The Programme currently administers calls that grant scholarships for master's and PhD studies in Chile and abroad, master's studies for education professionals in Chile and abroad, master's studies in Chile for public officers, PhD studies, medical sub-specialties abroad, doctoral research stays abroad and supplementary scholarships for PhD students of national universities.

- Over 1,200 scholarship holders in PhD programmes in USA, the UK, Spain and other countries and more than 1,100 in Master's studies.
- More than 1,400 PhD and 300 master's in national institutions of higher learning scholarship holders, thus contributing to strengthening postgraduate programmes at Chilean universities.
- Granting of over 190 supplementary scholarships for PhD students in Chile (support for the development and conclusion of doctoral theses).
- Over 80 scholarship holders were studying supplementary programmes abroad (postdoctoral, PhD internships, medical sub-specialties, and doctoral joint supervision).

**2011 Budget**

**US\$ : 205.8 million**

### Achievements 2010:

- Excellence of our scholarship holders is proved by the fact that 63% of the beneficiaries of PhD scholarships abroad are conducting their research in the top-150 universities and/or in the top-50 per area. For scholarship holders in master's studies the number of beneficiaries reaches 70%\*.



\* According to rankings, THE ARWU and QS, 2010.

## ATTRACTION AND INSERTION OF ADVANCED HUMAN CAPITAL

Director: Carmen Luz Latorre  
E-mail: [clatorre@conicyt.cl](mailto:clatorre@conicyt.cl)

The Attraction and Insertion of Advanced Human Capital Programme (PAI) has the objective of increasing academic, scientific and technological capacities of Chilean institutions, developing S&T through the incorporation of researchers of excellence, and collaboration with foreign scientists from top-level academic institutions.

PAI bases its activities in three **Lines of Action**: insertion of researchers in academia; insertion of researchers in the productive sector; and attraction of foreign scientists.

- Through these strategic lines, the programme aims to strengthen the scientific and technological capacity of accredited academic institutions and research centres in Chile, consolidate postgraduate programmes and contribute to the creation of international collaborative networks.
- Also, it seeks to provide support for companies generating R&D and strengthen collaborative networks between the scientific and productive sectors.
- The Programme includes the following support instruments: Insertion of Advanced Human Capital in Academia; Insertion of Advanced Human Capital in Chile's Productive Sector; Postgraduate Thesis in the Industry; and Attraction of Foreign Advanced Human Capital - Short-Stay Modality (MEC) and Long-Stay Modality (MEL).

### Achievements 2010:

- Insertion in Academia: A total of 21 projects were granted, which enabled the incorporation of 30 PhDs in academic institutions.
- Insertion in the Productive Sector: A total of 14 Research, Development and Innovation projects were granted in various companies and institutions related to the productive sector, inserting a total of 15 researchers (PhDs and Masters).
- Attraction of Foreign Scientists: In the short-stay and long-stay modalities, a total of 25 proposals were granted, allowing for 30 internationally renowned scientists and experts to be hosted by Chilean institutions.

### 2011 Budget

**US\$ : 9.2 million**



## EXPLORA PROGRAMME

**[Director: José Santiago Arellano]**  
**E-mail: jarellano@conicyt.cl**

Since it was created in 1995, the EXPLORA Programme promotes the appreciation and dissemination of Science and Technology (S&T) in the entire Chilean society, particularly among children and young people.

The work of this programme is carried out through two **Lines of Action**:

- Dissemination of S&T.
- Social Valorisation of S&T.

Its specific work is conducted through a Network of Regional Coordinators, which covers the 15 regions of Chile.

EXPLORA features the following support instruments: Project proposals on Appreciation and Dissemination of S&T; EXPLORA S&T+i Clubs; "Explorines" Clubs; Initiative for Appreciation of Science Based on Scientific Abilities "Your Abilities in Science"; National S&T Week; Regional Coordination Programme; National and Regional School Congresses on S&T; Travelling Interactive Exhibitions; and Dissemination Events.

### Achievements 2010:

- Over 1,356,000 students from primary and secondary school attended dissemination and scientific valuation activities throughout the country. The total audience was 2 million people.
- National S&T Week with participation of almost 700,000 people. The topic for 2010 was "Identity and Territory". This event, which is carried out annually since 1995, is the scientific dissemination activity which attracts the highest number of participants in Chile.

- "Your Abilities in Science" trained 412 teachers of primary and secondary schools in interactive teaching of S&T. Over 41,000 students have directly participated in this initiative during its first three years.

- Creation of 31 EXPLORA Clubs in different educational establishments, and 44 "Explorines" Clubs in preschool centres.

- Granting of 21 EXPLORA Projects, thus enabling 2,000 students to participate in scientific activities designed and guided by academics from universities, supported by undergraduate students.

- Seven exhibitions travelled across 26 districts of the country, attended by more than 194,000 people.

- Distribution of 440,000 "Explora Bulletins" and "Activity Books".

- A total of 81 proposals granted in the 1st Call for Support of Scientific Research in Schools.

### 2011 Budget

**US\$ : 4.7 million**



# COMPLEMENTARY SUPPORT

## DEPARTMENT OF INTERNATIONAL RELATIONS

**[Director: María Teresa Ramírez  
E-mail: mramirez@conicyt.cl]**

This Department promotes the integration of the Chilean scientific community with its peers from foreign countries, based on scientific excellence and common interests. It also promotes the cooperation of CONICYT with foreign countries, entities and institutions, both in human capital and in scientific and technological development.

Its **Lines of Action** are:

- International scientific cooperation projects with France, Germany, Mexico, Colombia, Argentina, and Brazil.
- European Union Programme, which analyses thematic areas for cooperation and provides guidance to Chilean researchers in order to increase their participation in the Seventh Framework Programme.
- Multilateral networks: Ibero-American Science and Technology Development Programme (CYTED), Inter-American Programme on Materials Science (CIAM), as well as STIC- and MATH-Amsud dedicated to the promotion of S&T between France, Chile, Argentina, Brazil, Peru and Uruguay.
- Bilateral networks.
- International workshops, seminars and scientific missions.
- Five networks among centres of excellence from Chile, Canada and New Zealand.
- 8th Chile-China Joint Commission on S&T, where the 2011-2013 Action Plan was signed.
- Chile-Austria S&T Workshop with over 60 representatives from both countries.
- Two scientific missions to Europe on ICT and Food & Biotechnology.
- Participation of 326 Chilean researchers in 57 Thematic Networks in CYTED.
- Fifty Chilean researchers participated in 15 networks in STIC and MATH-AMSUD.
- Three networks within the framework of the CIAM Programme.
- Eight courses and 16 internships in the CONICYT-Ministry of Energy Joint Programme.
- Support for participation of Chilean scientists in the ATLAS Project in CERN's Large Hadron Collider.

### 2011 Budget

**US\$ : 1.3 million**

### Achievements 2010:

- 153 bi-lateral exchange projects: 180 experts conducted research in Chile, and 188 Chilean experts went abroad.



## SCIENTIFIC INFORMATION PROGRAMME

**[Director: Patricia Muñoz  
E-mail: pmunoz@conicyt.cl]**

The purpose of the Scientific Information Programme is to strengthen and guarantee the access to national and international scientific information on research, education and innovation.

Its **Lines of Action** are:

- The Scientific Electronic Library, BEIC, which is co-funded by the Cintel Corporation and CONICYT, has been in operation since 2008 and provides access to over 5,000 scientific journals for all universities in the Council of Rectors of Chilean Universities and two private universities. Moreover, it places other information resources for measuring scientific productivity, such as Web of Science, Scopus and Journal Citation Reports at the disposal of researchers.
- SciELO-Chile (Scientific Electronic Library Online). Free collection of 91 Chilean scientific journals, accessible in full-text and integrated to a Latin American network. This collection has been cited over 30,000 times in international indexes between 2005 and 2010.
- Institutional Digital Repository version 2.0, which aims at increasing the visibility of the Chilean scientific production and improve the quality of national scientific journals.
- Fund for Publication of Scientific Journals. Provides financial support through open calls to Chilean high-quality scientific journals with international circulation. It has supported 453 projects since 1988.
- Fund for Studies on Pluralism within the National Information System. Since 2009, it funds research in Communication Science through a public call.
- RedCiencia. The most important scientific collaboration network in Latin America, with over 4,000 members.

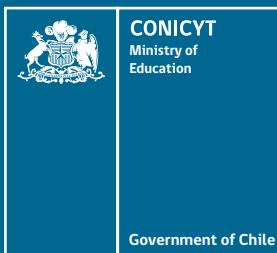
### Achievements 2010:

- BEIC users downloaded over 6 million full-text articles.
- The SciELO-Chile Portal reached over 21 million accesses.
- The Institutional Digital Repository version 2.0 features over 4,000 documents available online.
- The Fund for Publication of Scientific Journals supported 27 new projects.
- Review of the national state of the art and strategic guidelines in Management of Research Data and Scientific Information.

### 2011 Budget

**US\$ : 4.8 million**





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