

# *Instruments of Argentina`s State Policy Supporting Cross-border Cooperation in Research, Education and Innovation*

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MINCYT, Argentina**



Ministerio de  
Ciencia, Tecnología  
e Innovación Productiva  
Presidencia de la Nación

# STI in Argentina



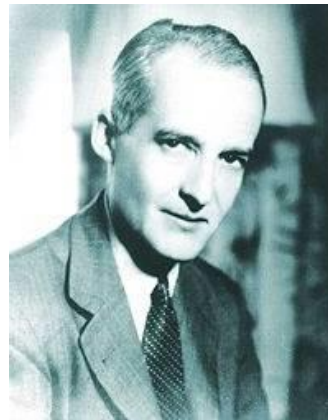
# *Highly qualified human resources resulted in a long tradition of recognized excellence*



**Bernardo Houssay**

***Nobel Prize, 1947***

Role played by pituitary hormones in regulating the amount of glucose in animals



**Luis Leloir**

***Nobel Prize, 1970***

Nucleotides, carbohydrate, metabolism, and renal hypertension to understanding, diagnosing and treating the congenital disease galactosemia

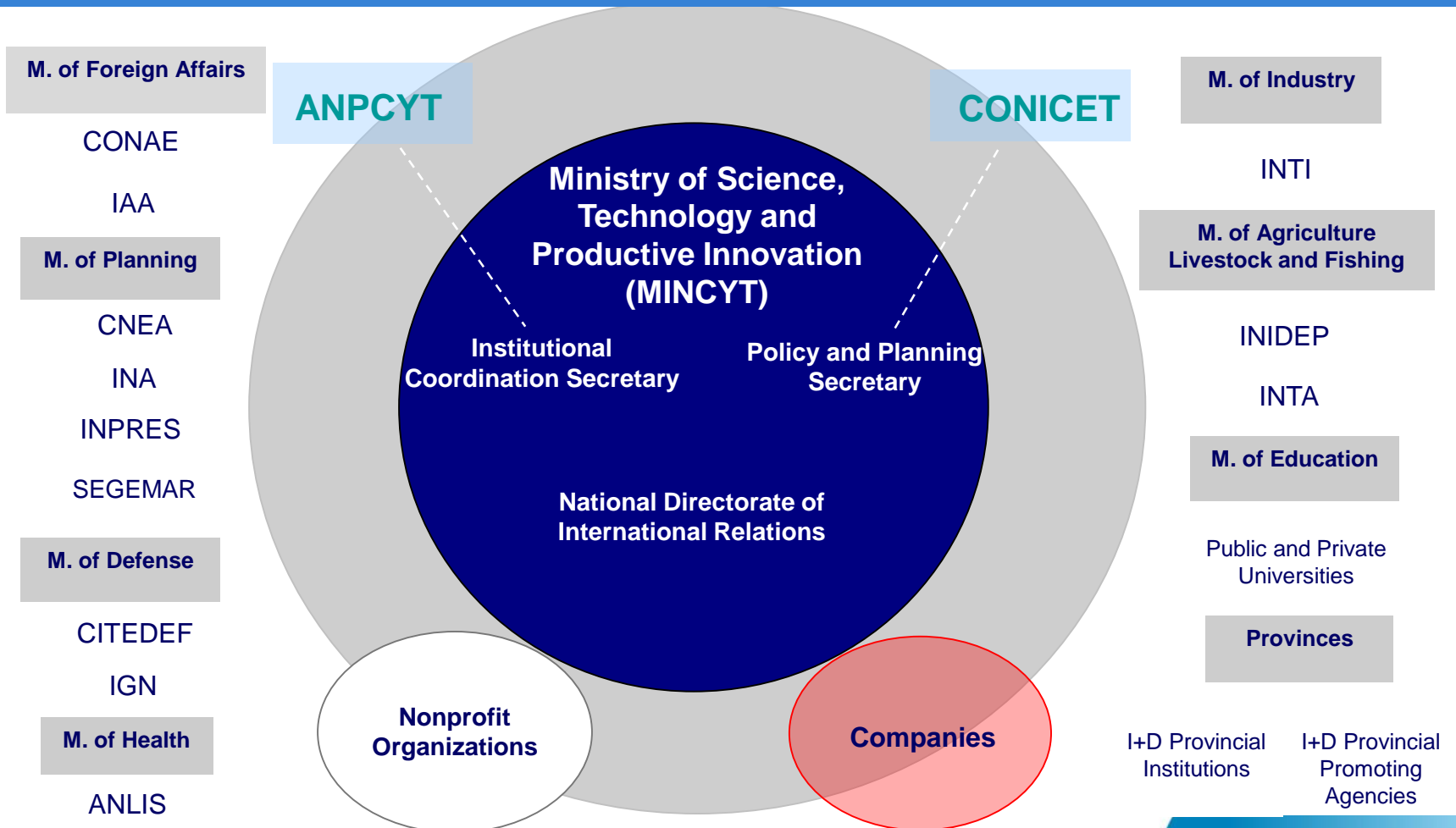


**Cesar Milstein**

***Nobel Prize, 1984***

Hybridoma technique for the production of monoclonal antibodies

# National System of Science & Technology





## *MINCYT comprehensive mission*

*Created in 2007 by President Cristina Fernández de Kirchner (L. 26.338), MINCYT's main objective is to contribute, through science, technology and productive innovation evolution, to the economic, social and cultural development of the Nation and improve Argentina's competitiveness at international level*

## *MINCYT specific objectives*

*Promote national **science & technology progress** through the stimulation and dissemination of scientific knowledge, human resources training and repatriation, and the development of adequate infrastructure*

*Install the concept of **economic value of knowledge**, promote technology based innovation and stimulate its incorporation to Argentinean enterprises*

## *MINCYT specific objectives*

*Develop strategies to increase responsiveness from science, technology and innovation to **respond to productive and social priority problems** for the country*

***Articulate and coordinate resources and capacities** of the National System of Science & Technology organisms, mainly in programs and joint activities*

***Federalize science, technology and innovation** and insert Argentinean knowledge at the international level*

# *MINCYT strategic areas- Argentina 2020*

**Agro industry**

**Energy**

**Nanotechnolgy**

**Social Development**

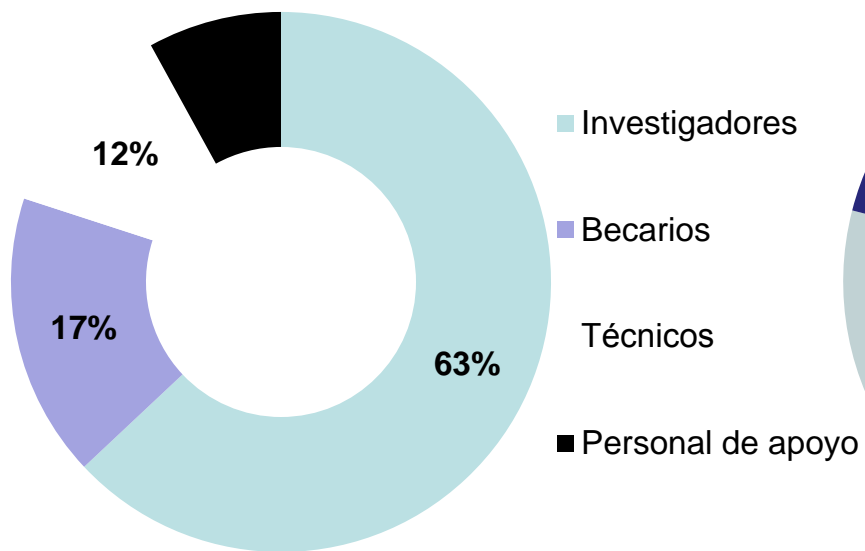
**ICT**

**Health**

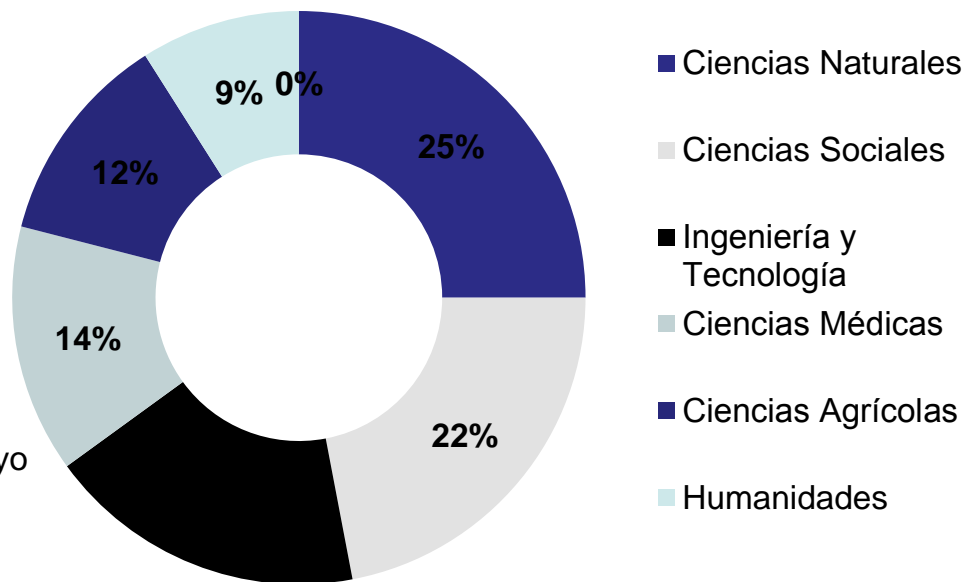
**Biotechnolgy**



## Human Resources

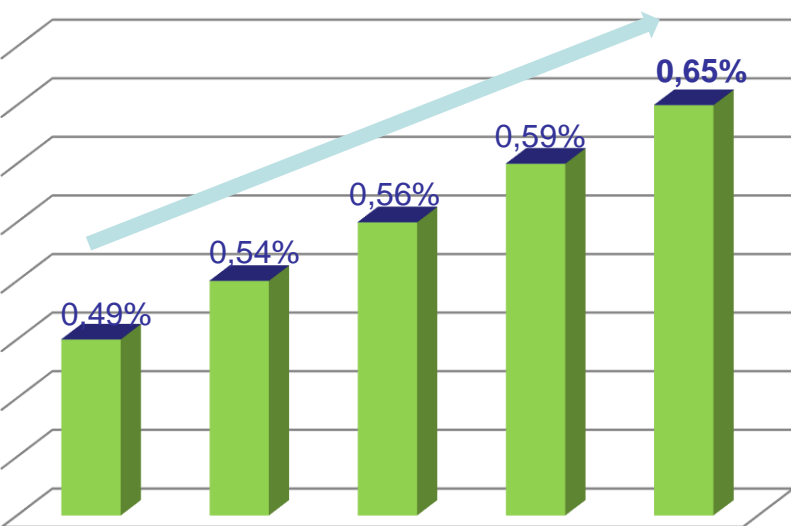


102.022 staff related to STI

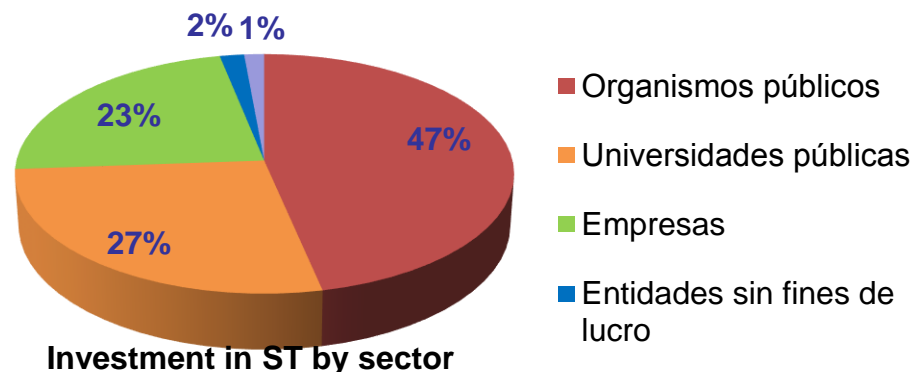


Researchers by thematic area

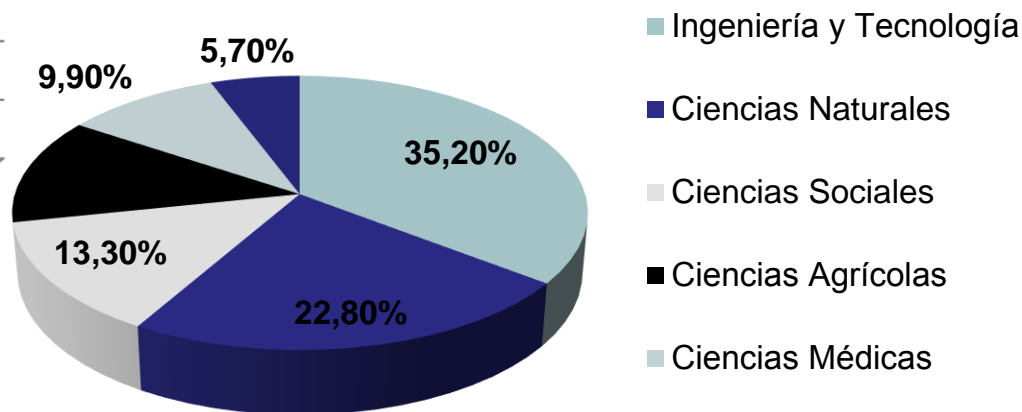
# Composition and evolution of investment in ST



Evolution of the investment in ST (%NGP)



Investment in ST by sector



Investment in ST by thematic area

# National Agency for Scientific and Technological Promotion (ANPCYT)

## 4 Specific Funds

- **Fund for ST Research (FONCyT):** Basic Research
- **Technological Argentinian Fund (FONTAR):** Tech based SMEs
- **Fund for Promotion of Software Industry (FONSOFT):** Projects and Capacity Building
- **Sectorial Fund (FONARSEC):** High impact and transference to productive sector.

*Open calls/ Peer Review Evaluation/Credits and Grants*

<http://www.agencia.mincyt.gob.ar>

*More than 25 Instruments devoted to support:*

*- ST Projects (PICT); ST Oriented Projects (PICTO); Technological Modernization and Infraestructure (New Labs); Program of Human Resources; Start Ups; Technology Platforms; Program of Vacancy Areas; Tax Exceptions; Certification of Quality; Non Reembolsable Funds for Technology Based SMEs; Creation of SMEs; Techological Enterpreneurships; Technological Consultancies in SMEs; Technological Managers Courses, Scientific Workshops, among others.*

## FONCYT

- In 2013, this fund supported **1351 projects for a total amount of \$263 millions**. The more successful instrument is the one named “Scientific and Technological Projects” (PICT) which in 2013 **selected a total of 1039 projects for about \$227 millions funding**. In addition, these projects will finance 388 research scholarships for 2 or 3 years of duration.

## FONTAR

- In 2013 this fund supported **760 new projects** for more than **\$1.100 millions**. As main successful instruments we can mention: Non Reimbolsable Funds (ANR- Grants), Tax Exception Certifications and Credits for the improvement of competitiveness (30%).



## FONSOFT

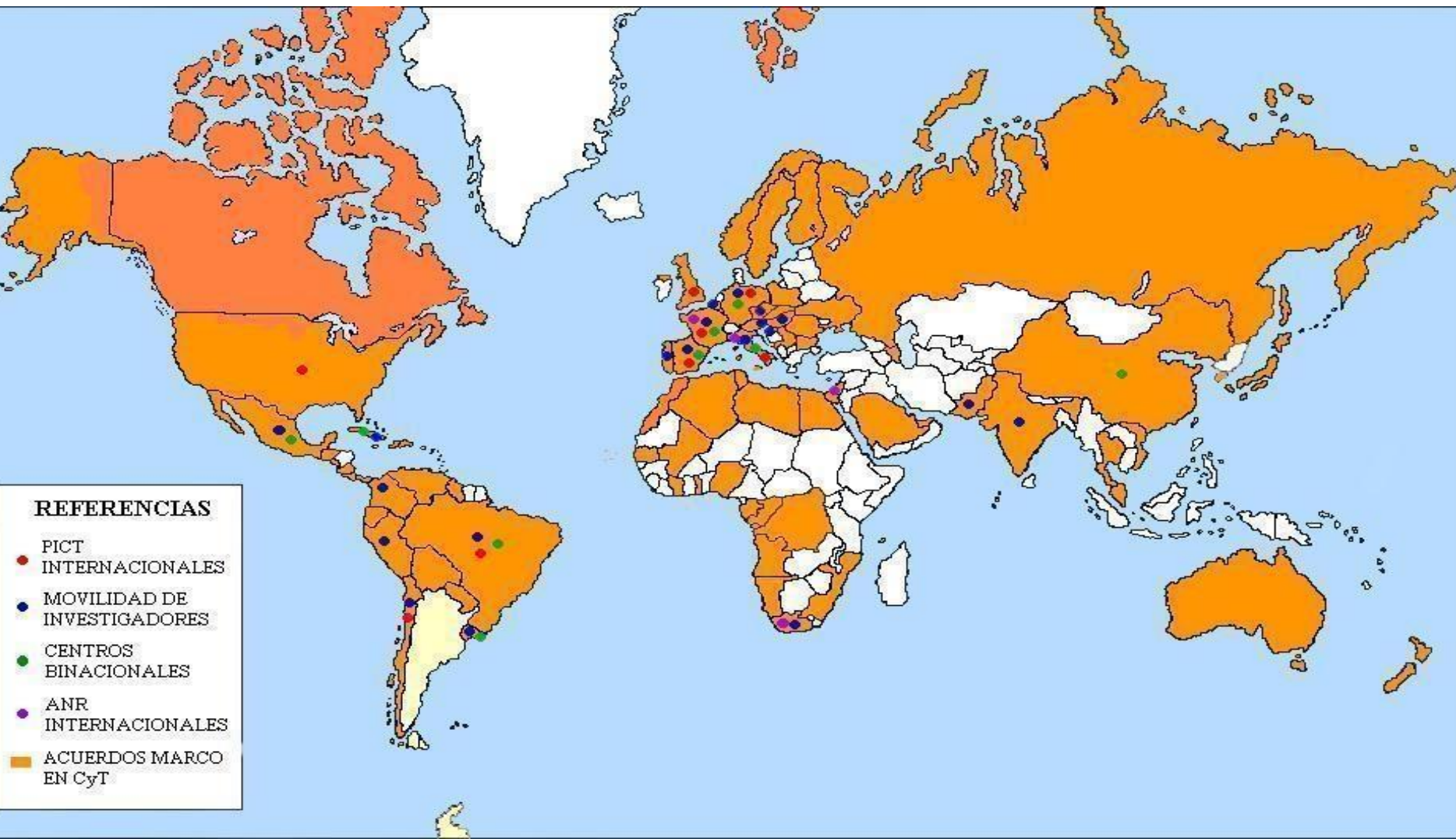
- In 2013, funded a total of **465 projects** and **140 scholarships**, highlighting the case of the Non Reembolsable Funds (ANR) (63 %), Scholarships for Young Professionals in ICT (30%) and Entrepreneurs (26 %). The majority of these projects are oriented to the productive activities. Only 2 % are oriented to capacity building and scientific workshops.

## FONARSEC

- In 2013 funded **53 projects** for a total amount of **\$ 244.49.187**. The most successful instruments are EMPRETECNO (74% of the total of projects) and the Sectorial Funds, devoted to public-private clusters according economic regional demands which represented more than **\$150 millions**.

# How we cooperate?





## *MINCYT achievements*

### *Construction of the first Scientific & Technological Pole in Latin America*





## *MINCYT achievements*

- *STI national budget increased, from AR\$ 1.137.600.000 (2008) to AR\$ 4.117.200.000 (2013)*
- *STI investment in relation to GDP grew from 0.49% (2004) to 0.67% (2012)*
- *Number of researchers was duplicated from 2003-2012 from 32.000 to 64.000 – More than 1000 were repatriated.*
- *10.481 ongoing graduate and postgraduate scholarships*
- *CONICET is ranked Nro 79 in scientific production according Scimago Index, among 4851 institutions all over the world*
- *162 projects of infrastructure adaptation and improvement and 51 projects for upgrading equipment were financed in the framework of the Infrastructure National Plan*

## *MINCYT achievements*

- *Creation of the Argentinean Nanotechnology Foundation (FAN) to increase nano production added value by using micro and nano technologies*
- *Design of 7 new systems in the field of Major Instruments and Data Bases Program*
- *Creation of Dr. Manuel Sadosky Foundation to promote articulation between the scientific- technological system and the productive sector in ICT thematic field*
- *Transfer of the Genetic Data National Bank to MINCYT tutelage*
- *Strengthening of new transversal tools to the National System of Science & Technology (v.g. microscopy and biological data national systems)*



*Thans for your attention*

*Ministry of Science, Technology and Productive Innovation  
Argentina*

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