

NATIONAL DIRECTORATE OF INTERNATIONAL RELATIONS

Promoting International Cooperation

Lic. Mónica Silenzi



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

Buenos Aires, October 6th 2011

BILATERAL

MULTILATERAL

RAICES

UE
ABEST

COMPANIES

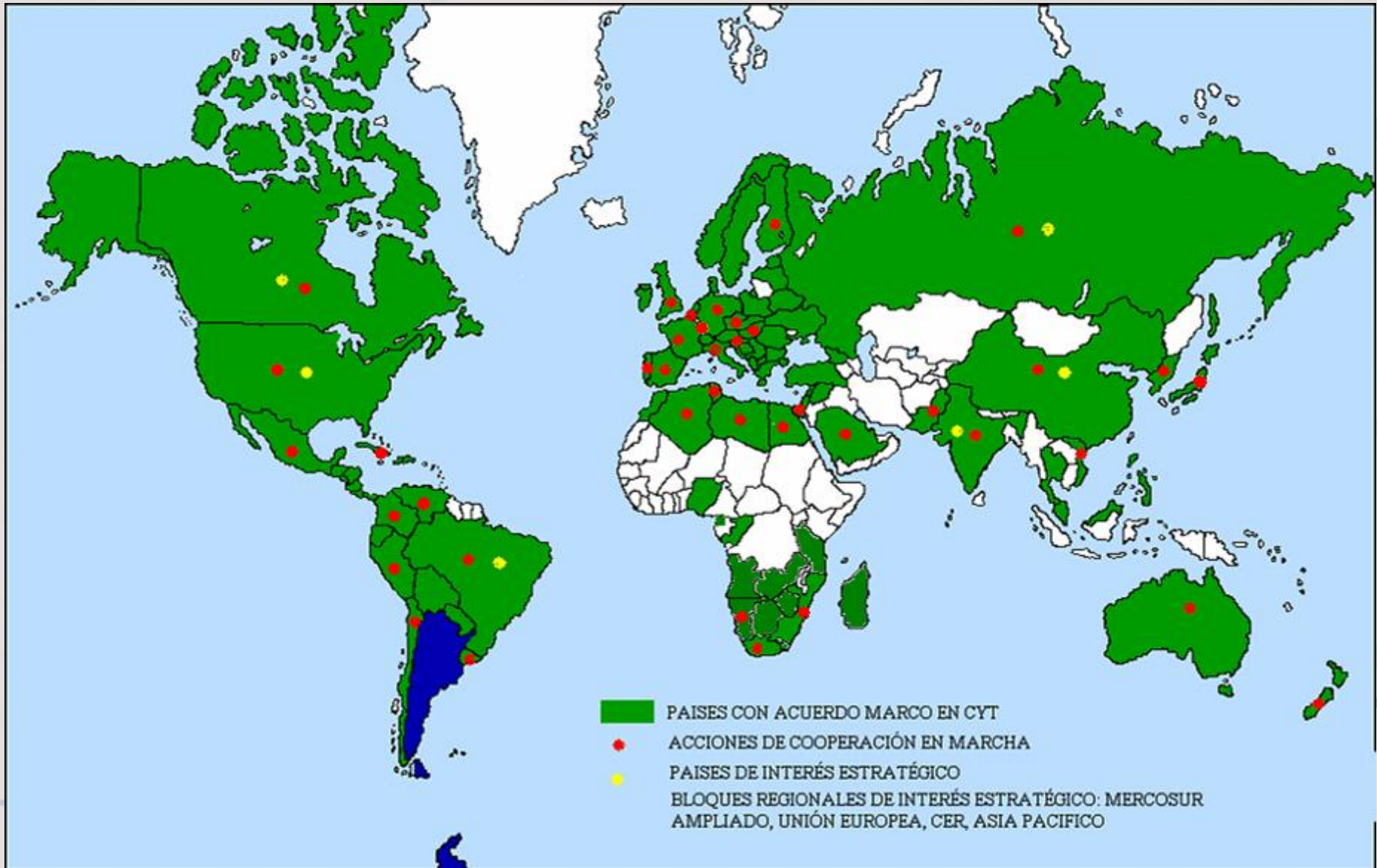
MERCOSUR
UNASUR

IAESTE
PRODEQ



BILATERAL COOPERATION

COUNTRIES WITH FRAMEWORK AGREEMENTS IN S&T



BILATERAL COOPERATION MECHANISMS

- Scientific meetings and workshops
- Bilateral projects being carried out, researcher's exchange, postgraduate, post-doc and sandwich doctorate Programs.
- Research Scholarships
- Bi-national Centers
- International PICT



SCIENTIFIC MEETINGS AND WORKSHOPS

Approximately 65 held per year

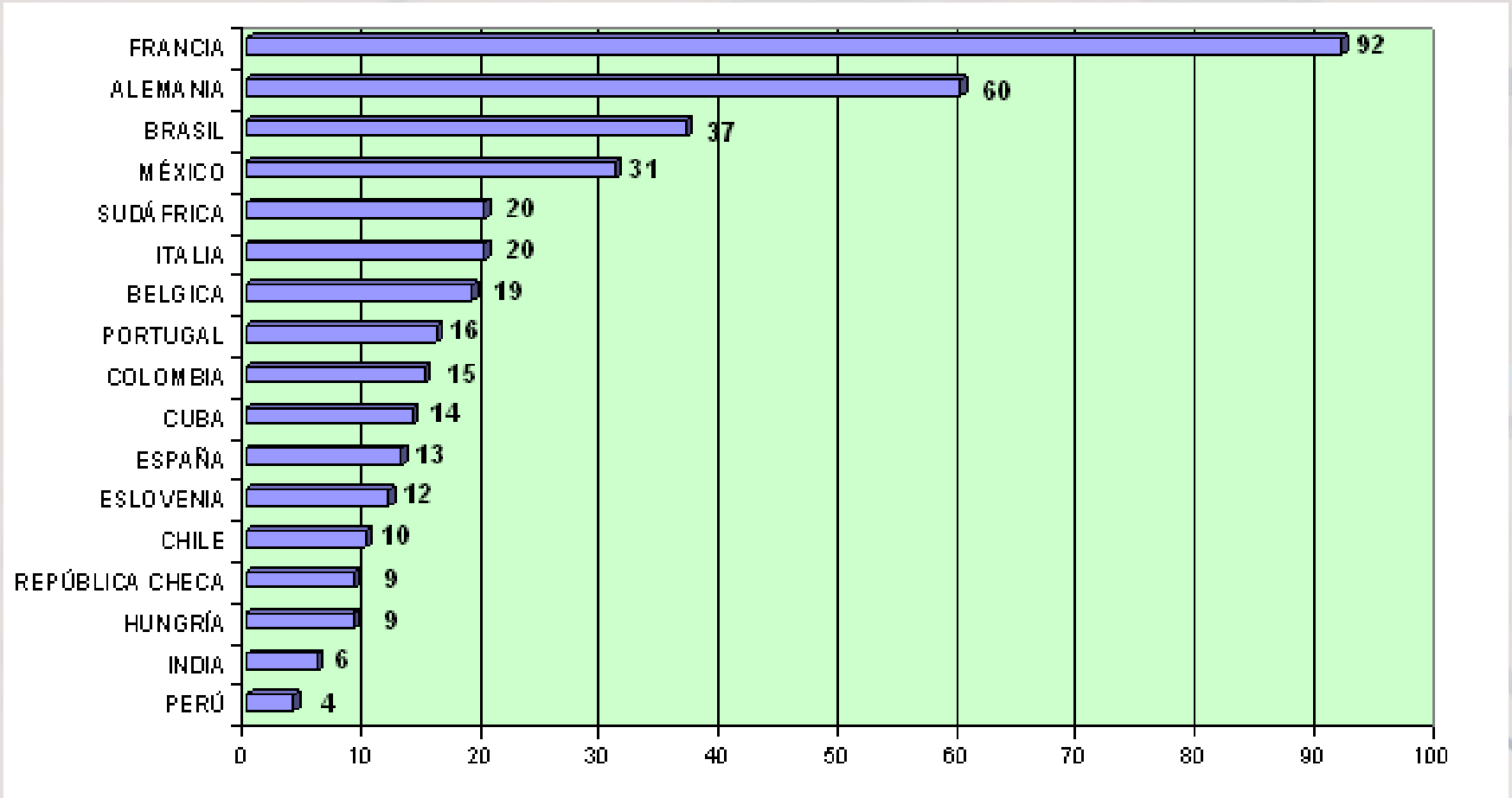


BILATERALES PROJECTS with researcher's mobility

- **Austria:** BMWF
- **Germany:** BMBF, DAAD
- **Belgium:** FWO, FNRS
- **Brazil:** CAPES
- **Chile:** CONICYT
- **Colombia:** COLCIENCIAS
- **Cuba:** CITMA
- **Slovenia:** MHEST
- **Spain:** MICIIN
- **France:** ECOS, MATH AMSUD, STIC AMSUD, INRIA/CNRS, ARFITEC.
- **Hungary:** NKTH
- **India:** MOST
- **Italy:** MAE
- **Mexico:** CONACYT
- **Pakistan:** MOST
- **Peru:** CONCYTEC
- **Portugal:** FCT
- **Czech Republic:** MEYS
- **South Africa:** DST
- **Uruguay:** MEC



BILATERALES PROJECTS BEING CARRIED ON



RESEARCH SCHOLARSHIPS



VIETNAM

- Litoral's Technological Park
- Bariloche's Atomic Center



CUBA

- Litoral's Technological Park



MOZAMBIQUE

- National Institute of Agricultural Technology (INTA)
- Geological Mining Argentinean Service (SEGEMAR)



FRANCE

- Houssay Program – Postdoctoral Scholarships



GERMANY

- Program for the development of young scientists and researchers career :
Max Planck Scholarship– CONICET - MINCyT – Volkswagen



ROCHE

- Scientific Residency Program MINCyT-ROCHE



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



ARGENTINEAN - BRAZILIAN BI-NATIONAL CENTERS

- **Biotechnology (CABBIO)**
- Nanosciences and Nanotechnology (CABN)
- Metrology (CABM)
- Bi-National Program on Cell Therapy (PROBITEC)
- ICTs
- Science and Technology for Social Inclusion
- Ethics
- **Science, Technology and Society**
- Renewable Energies Bi-National Program

OTHER BI-NATIONAL CENTERS



Argentina - Germany

- Buenos Aires Research Institute on Biomedicine (Max Planck)
- Argentinean – German University Center
- Environment and Renewable Energies (under negotiation)



Argentina - Spain

Vegetal Genomics Program (Rosario – Santa Fe)



Argentina - China

Food Science and Technology



OTHER BI-NATIONAL CENTERS



Argentina – Cuba

Biotechnology applied to the development of vaccines and medicines



Argentina – France

- Weather
- Modelization – Simulation Center (under negotiation)
- International Associated Laboratory DEVENIR
- International Associated Laboratory on Nanosciences LIFAN
- International Associated Laboratory on computing (under negotiation)
- International Associated Laboratory on Infections and Immunology (under negotiation)



Argentina – Russia

CENTAR Nanotechnology – ICTs – Health – Agrarian Sciences – Renewable and no renewable Resources



OTHER BI-NATIONAL CENTERS



Argentina – Italy

Bilateral Center of Industrial Design



Argentina – Uruguay

- Bi-National Center on Science, Technology and Innovation applied to agri-foods
- Bi-National Center on Renewable Energies



Argentina – Mexico

- Bi-National Center on Nanotechnology
- **Bi-National Center en Biotechnology**



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

INTERNATIONAL SCIENTIFIC AND TECHNOLOGICAL RESEARCH PROJECTS (PICT's) -



Max Planck Society

-**Biosciences**/Nanosciences/Humanities: 10 projects (2007)
6 projects (2011)



Maryland University - USA:

-**Biotechnology** and Engineering: 1 project



Illinois University - USA:

- Agriculture/Biomass and Biofuels: 2 projects



ICES-Italy:

- Earth sciences: 4 projects



CNPq-Brazil:

-**Biotechnology**/Nanotechnology/Health/Engineering: 21 projects

PROBITEC: under evaluation



INTERNATIONAL SCIENTIFIC AND TECHNOLOGICAL RESEARCH PROJECTS (PICT's) -



Oxford University - UK
- Material Sciences and Engineering



CONICYT - Chile
- Nanotechnology and energy



MICINN - Spain
- Vegetal Genomics/Biomedicine /Forensic/Biocomputing: 11 projects



ANR - Frances
- Areas to be defined.



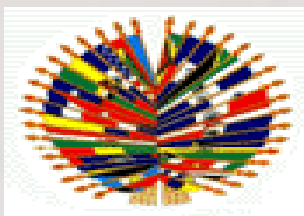
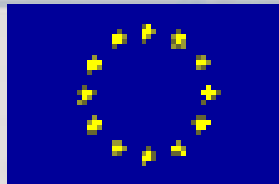
Under negotiation:
Wageningen - Netherlands



NSF- USA (Chemistry)



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



MULTILATERAL COOPERATION



SCIENCE AND TECHNOLOGY FOR THE DEVELOPMENT IBEROAMERICAN PROGRAMME

PRIORITY AREAS

- Agrifood
- Health
- Industrial Development
Promotion
- Sustainable Development
- ICTs
- Science and Society
- Energy

INSTRUMENTS

- Thematic Networks
- Consortia Projects

Current Networks: 99

Current Projects: 19



CYTED GENOME PROJECT

Aim: to determine bean's genome in order to make the most of Latin America's natural resources.

Contributing countries: Argentina, Brazil, Spain, Mexico and CYTED Program



EUROPEAN UNION

Argentina was the first Latin American country to sign, in 1999, a Scientific and Technological Cooperation Agreement with the European Union.

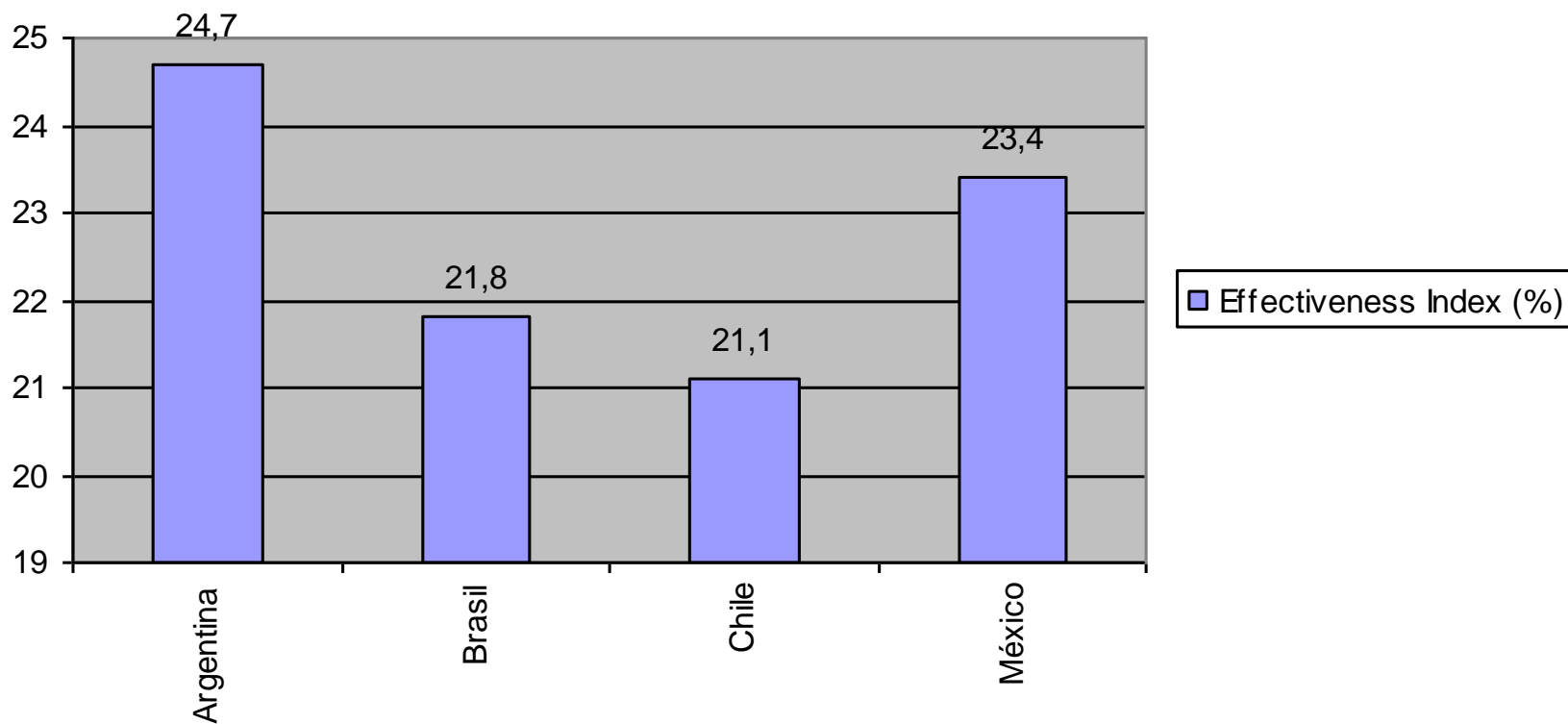


Ministerio de
Ciencia, Tecnología
e Innovación Productiva
Presidencia de la Nación



PARTICIPATION AND EFECTIVNESS IN THE 7FP

Latin America participation in the FP7 (2007-2011)

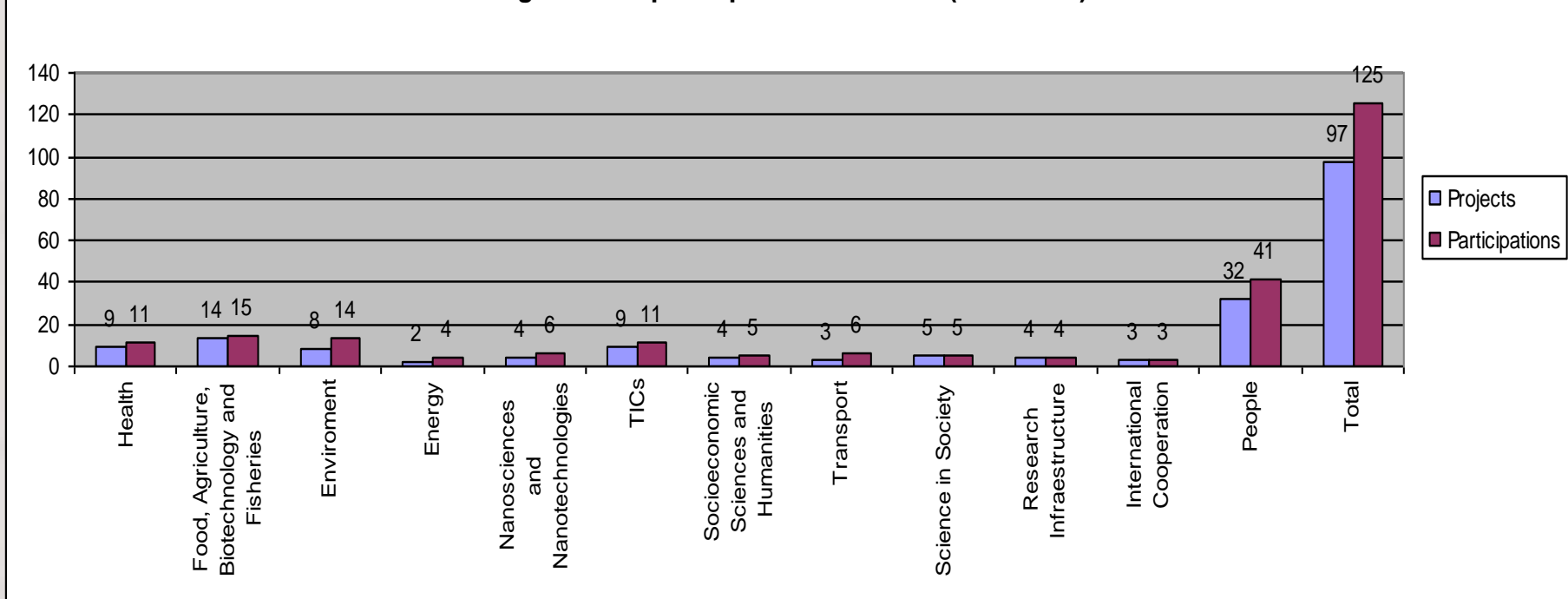


Source: CORDA



ARGENTINEAN PARTICIPATIONS AND PROJECTS IN THE 7FP BY AREA

Argentinean participation in the FP7 (2007-2011)



97 projects with 125 participations of Argentinean groups.



ARGENTINEAN BUREAU FOR ENHANCING COOPERATION WITH THE EUROPEAN COMMUNITY



Activities:

- Information spread about cooperation opportunities;
- Courses led to Research and Development Institutions;
- Call to assign travel grants to Argentinean and European researchers in order to facilitate the creation of consortia;
- Call to state areas of interest to be included in the Specific International Cooperation Actions for Latin American countries;
- Spread and promotion of human resources trainings.
- Support Policy dialogue both at national and regional level.





BUREAUS

- www.abest.secyt.gov.ar
(Argentina)
- www.bbice.cgee.org.br (Brazil)
- www.conacyt.mx/uemexcyt
(Mexico)
- www.conicyt.cl (Chile)





MERCOSUR

Specialized Science and Technology Meeting - RECyT

Thematic Commissions:

- Information Society
- Support to the Scientific and Technological Development
- **Bioteconsur Platform**

Strategic Areas:

- Energy
- **Biotechnology**
- ICTs
- Competitiveness and Industrial Innovation
- Agriculture Productivity
- Life Quality
- Natural Resources
- Intellectual Property





BIOTECH MERCOSUR – EUROPEAN UNION



- Coordinated by Argentina (MINCYT)
- Aim: To promote the development and use of agricultural biotechnology as support of the sustained increase of regional productions competitiveness in international markets.

Total Budget: € 7.300.000



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



BIOTECH MERCOSUR – EUROPEAN UNION Projects



- Enhancement of the poultry Regional Sanitary Status by means of applying biotechnological tools in the development of diagnosis methodology and generation of epidemiological information, applied to the control of poultry pathogenic of commercial relevance with incidence in public health;
- Functional genomic application and other biotechnological tools for the development and control of vaccines against the foot and mouth disease virus;
- Biotechnological strategies for the control of bacterial, viral and by intra-cell protozoan illnesses in bovine cattle in MERCOSUR;
- Development of an integrated genotyping platform for bio prospecting of candidate genes of MERCOSUR's Eucalyptus germplasm interest;
- Integrated genomic approach in MERCOSUR for gene prospecting useful to the enhancement of soy against biotic and a biotic stress.





BIOTECH PHASE II



End of the BIOTECH MERCOSUR – UE Project:
March 7th, 2011

Platform Continuity:

- The Bioteconsur Platform Commission was created within RECYT
- New financing approved by the EU
- Argentina and Brazil agreed to co-finance BiotecSojaSur project and the Biotechnological Observatory
- New areas: Health and renewable energies





PROJECT FOR THE INFORMATION SOCIETY SUPPORT MERCOSUR – EU



Coordinated by Brazil (MCT)

Aim: To promote common policies and strategies within MERCOSUR in the Information Society area and reduce the digital gap and asymmetries in ICTs.

Budget: € 7.000.000



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



Project “Research, Education and Biotechnologies Applied to Health” - FOCEM

Aim: to carry out research, human resources training and mobility actions and joint scientific meetings from the creation of a network of institutions.

Joint Research Subject: Chronic and aging diseases: from the gene to society.

Institutions: Inst. Max Planck (Argentina), Fundación Oswaldo Cruz (Brasil), Inst. Pasteur (Uruguay) and Instituto de Investigaciones en Ciencias de la Salud (Paraguay)

Budget: USD 10.061.400

INTERNATIONAL COOPERATION WITH COMPANIES

- Technology Based Companies Data Base
- “Pilot Experience to export products with High Technological Value” bound to markets in France and South Africa
- International ANR
Research and Industrial, Scientific and Technological Development Cooperation Program MINCYT - MATIMOP (Israel)
- CYTED – IBEROEKA Program



PRODEQ

Fund to subsidize the transfer expenses derived from equipments donated by foreign institutions to public organizations and STI bodies from the Argentinean scientific and technological system.

In order to be benefited from this fund, institutions must be registered in the Record of Scientific and Technological Organizations and Entities (ROECyT) before applying.

The cost of the donated equipment should at least triple the cost of the transfer.



IAESTE

International Association which aims to provide students in higher education with technical experience relevant to their studies

Funded in 1948, Argentina joined it in 1961 and is an active member since 1963.

Global Program conformed by 91 members of 83 countries, involves 3.500 companies and 1.400 universities.

Mission:

To operate a high quality practical training exchange program between members in order to enhance technical and professional development and to promote international understanding and goodwill amongst students, academic institutions, employers and the wider community



www.raices.mincyt.gov.ar

raices@mincyt.gov.ar

RAICES PROGRAMME

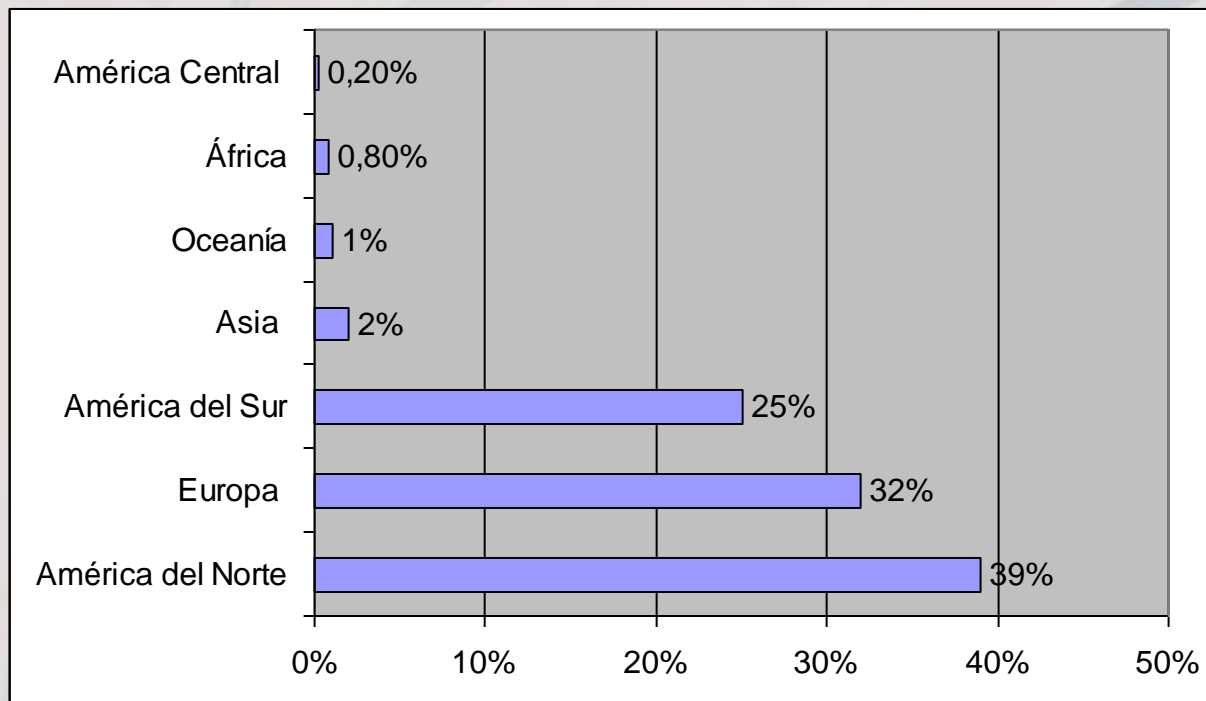
Aims:

- To strengthen scientific and technological capacities
- To strengthen the scientific and technological abilities of our country by linking Argentinean researchers that live abroad.
- To promote the stay of researchers in our country and the return of those who are interested in developing their activities in Argentina

Law 26.421/08 – RAICES Program as State Policy

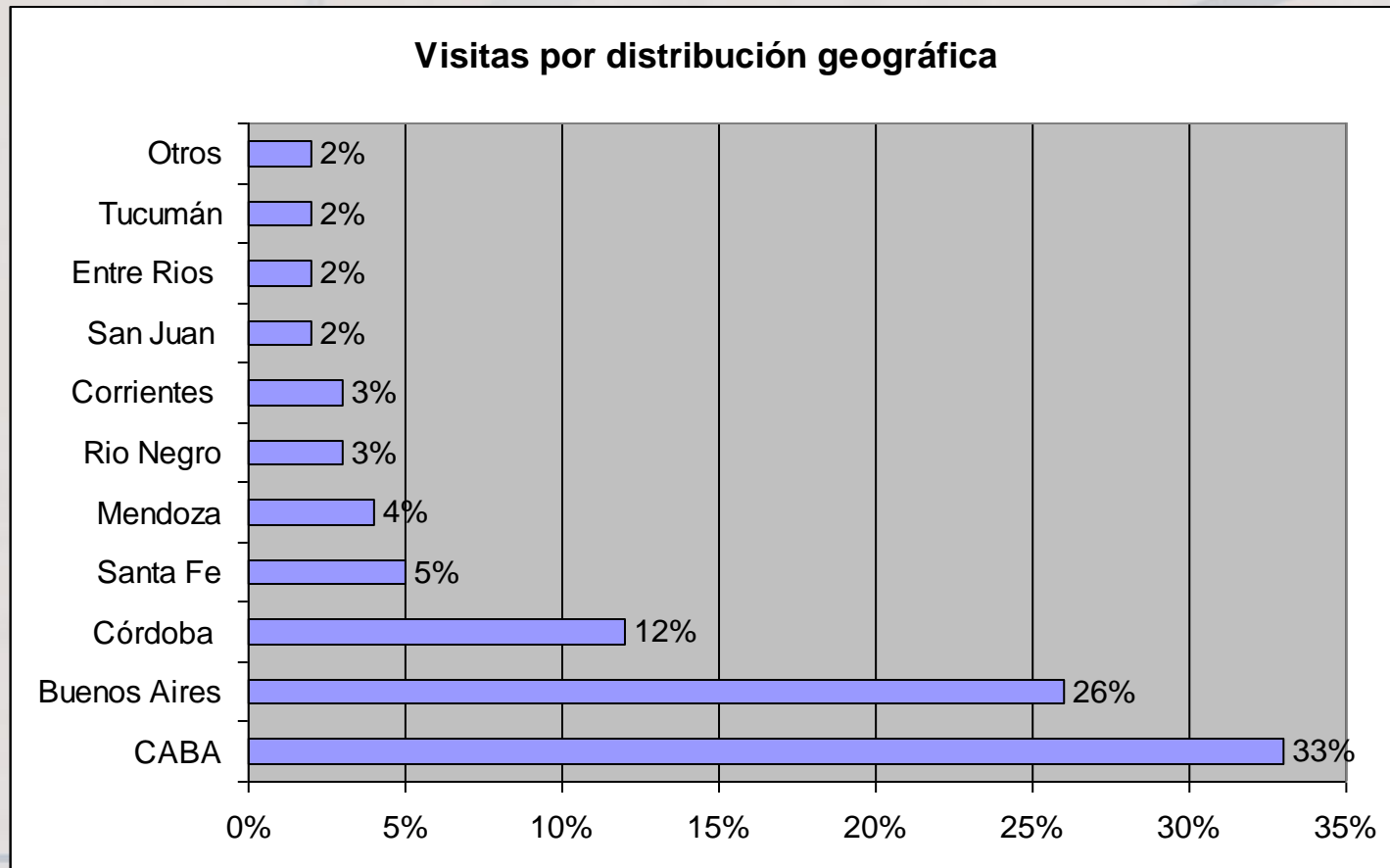
ACTION LINES

- **Scientific Database: 4526 contacts**



ACTION LINES

- **Dr. César Milstein Grant: 162 visits**



ACTION LINES

- **Scientific and Technological Research Projects (PICT RAICES):** 64 projects have been approved since 2006
- **Virtual Networking:** of Exact and Natural Sciences, Social Sciences, Engineering and Biology and Health Sciences. 32 Networks have been financed since 2004.
- **“Volver a Trabajar” Subprogram:** Agreements were signed between RAICES and private companies for the dissemination of job offers: TECHINT, TECPETROL, SIDERAR, SIDERCA, IBM Argentina, CORE, ARCOR, Aceitera General Deheza (AGD), Volkswagen, CIPIBIQ, DU PONT, INTEL, CAMARCO and ADIMRA

ACTION LINES

- **Seed Funds- MyPES:** directed to projects of micro and small technology- based companies in nanotechnology, biotechnology, ICTs and Engineering.
3 projects have been approved in **Biotechnology** and ICTs
- **Advisory Committee on International Programmes of Scientific and Technological Cooperation abroad (CAPICCyTE)**

ACTION LINES

- **Diffusion:** Monthly newsletter and Argentinean scientific's resumes interested in returning to Argentina
- **Seminars**
July 2011, Visions of Science, Technology and Innovation policies
- **Productive RAICES**
- **Incorporation of foreign scientists (spouses)**
- **RAICES awards**
2010 granted to: Dr. Julia Polak, Dr. Marcelino Cereijido, Dr. Nora Sabelli, Dr. Francisco Baralle, Dr. David Sabatini

2011: Dr. Amzel, Dra. Braslavski, **Dr. Burrone**, Dr Caffarelli, Dr. Frangione, Dr. Gutkind, Dr. Izquierdo, Dr. Kacelnik, Dra. Kalnay, Dr. Kaski, Dr. Kazanietz, Dr. Orlanski, Dr. Roitberg, Dr. Wesfreid

ACTION LINES

- **Repatriation:** MINCyT currently has three ways to fund the repatriation of Argentinean scientists and technologists that live abroad
 - CONICET's reinsertion scholarships
 - Return grants
 - Research and development projects for the researcher's relocation (PIDRI) of the ANPCyT

Total repatriations since 2004: 850 scientists

Thank you for your attention

National Directorate of International Relations

Tel: 4891-8470/73

Fax: 4891-8460

dirinfo@mincyt.gov.ar



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