

Sociedade Brasileira para o Progresso da Ciência

(SBPC)

March 2018

CNPq

Marcelo Morales
Director - CNPq

Context

Science, Technology and Innovation

Institutional Role

Ministry of Science, Technology Innovation and Communication (MCTIC)

Formulation and conduction of science, technology and innovation policies

National Council for Scientific and Technological Development (CNPq) Foster scientific and technological research and encourage the training of Brazilian researchers

Admiral Álvaro Alberto da Motta e Silva



In May 1946, Admiral Álvaro Alberto da Motta e Silva (engineer), a Brazilian representative to the Atomic Energy Commission of the Security Council of the recently created United Nations Organization (UN), proposed to the government, through the BRAZILIAN ACADEMY OF SCIENCE, the creation of a national research council

Context

National Strategy on C,T&I Challenges

- Reduction of the scientific and technological gap that still separates Brazil from the more developed nations
- Expansion and consolidation of the Brazilian leadership in the natural knowledge economy
- Broadening the bases for environmental sustainability and the development of a low carbon economy
- Consolidation of Brazil's new international insertion standard
- Overcoming poverty and reducing social and regional inequalities

Science and Innovation: structuring axes of national development



Mission

To promote Brazilian Science, Technology and Innovation by:

- a) acting on the formulation of policies,**
- b) contributing to the advancement of the frontiers of knowledge towards sustainable development and;**
- c) to maintain Brazilian national sovereignty.**

Vision

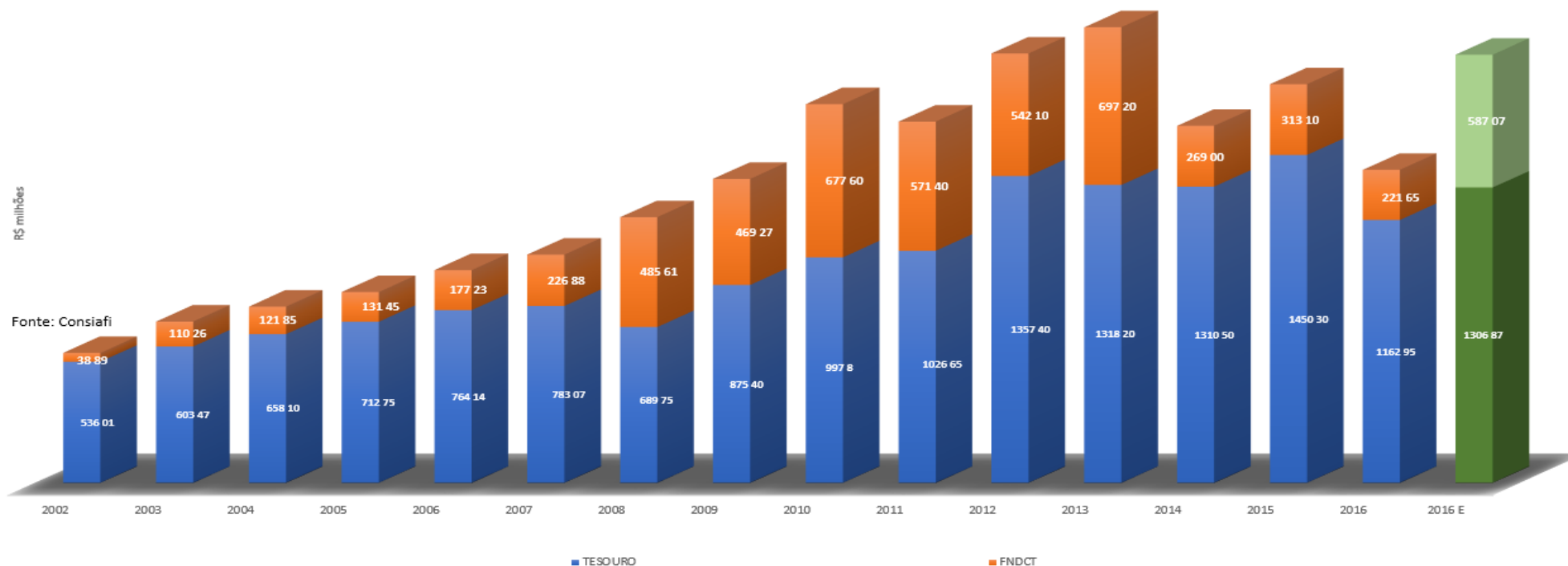
To be a renowned institution as regards the promotion of Science, Technology and Innovation as central elements to Brazilian development.

National Development Strategy

- **Invest in people: development of skills and competences needed to the full insertion in the knowledge-based economy**
- **Focus on the national strategic challenges**
 - Engineering and other technological areas
 - Strategic areas
- **Promotion of industrial R,D&I**

CNPq Own Budget - Treasury Source

SÉRIE HISTÓRICA - ORÇAMENTO CNPq



Main Programs & Funding Opportunities

Actions in Partnerships with States

PPP

PRONEM

PRONEX

PPSUS

DCR

Scholarships Scientific
Initiation, Master's and
Doctorate

Universal
Call

Productivity
Pesq./DT

INCT

International
Cooperation

Calls with
other
Ministries

Casadinho

Calls Fundos
Setoriais

Promotion of Innovation

RHAE
Research in
the Industries

Scholarships
In Technology

PNPD

PGAEST

CNPq

Network research actions

Science, Technology and Innovation development - funding opportunities

National Institutes - INCT

- **Best research groups on science boundaries with technological outputs**
- **Academia + government + private companies**
- **Cooperation, convergence, interdisciplinarity**



inct
institutos nacionais
de ciência e tecnologia

PARTNERS IN THE PUBLIC CALL INCT - 2014



Ministério da
Ciência, Tecnologia
e Inovação



FAPEAM



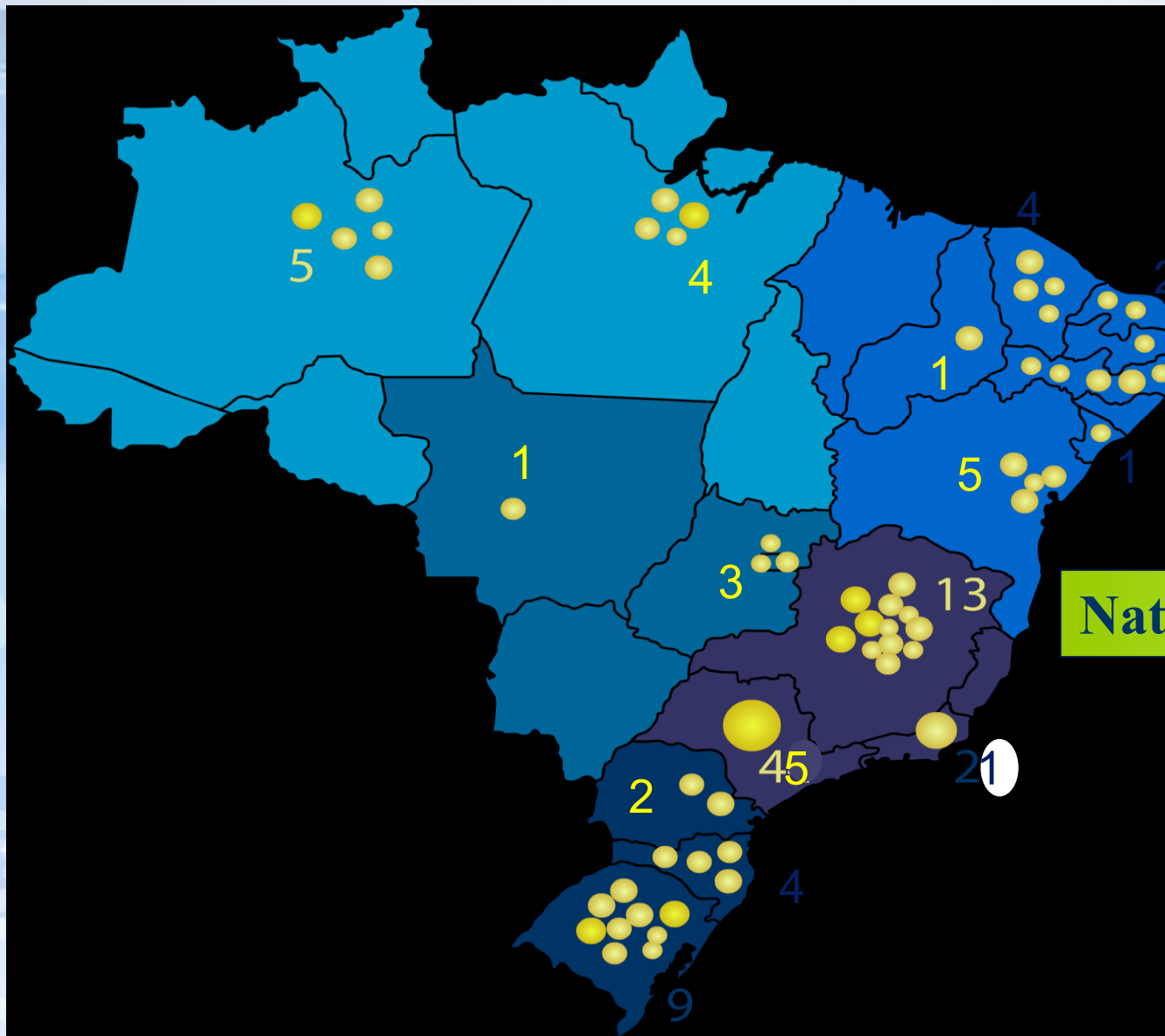
FAPEG
FUNDÇÃO DE AMPARO
À PESQUISA
DO ESTADO DE GO



National Institute of Science and Technology - INCT



INSTITUTO NACIONAL DE CIÊNCIAS E TECNOLOGIA



National Distribution

INCT 2014

■ Funding:

- **MCTI/CNPQ/FNDCT:** R\$ 200 million (100+100 : 2015/17)
 - CNPq : R\$ 100 million (50+50)
 - FNDCT: R\$ 100 million (50+50)
- **CAPES:** R\$ 100 million (50+50)
- **FAPs (state agencies):** R\$ 341
- **Other partners:** MS, PETROBRAS, BNDES

National Institutes of Science and Technology - Health

- National Institute of Science and Technology in Medicine Assisted by Scientific Computing (INCT-MACC)
- INCT in Dengue and host-microbial interactions
- National Institute of Science and Technology for Vaccines
- Translational Science for Neglected Diseases Drug Discovery.
- National Institute For Translational Neuroscience
- National Institute of Science and Technology of Innovation on Diseases of Neglected Populations (INCT-IDPN)
- National Institute of Science and Technology in Stem Cell and Cell Therapy
- National Institute Of Science And Technology In Regenerative Medicine
- Pharmaceutical Nanotechnology: a transdisciplinary approach

National Institutes of Science and Technology (awarded)

NIST of Comparative and Functional Genomics and Assisted Citrus
Breeding.

Biotechnological Assets Applied to Drought and Pests of Crops relevant to
Agrobusiness

PLANT-GROWTH PROMOTING MICROORGANISMS FOR AGRICULTURAL
SUSTAINABILITY AND ENVIRONMENTAL RESPONSIBILITY

National Institute for Coffee Science and Technology

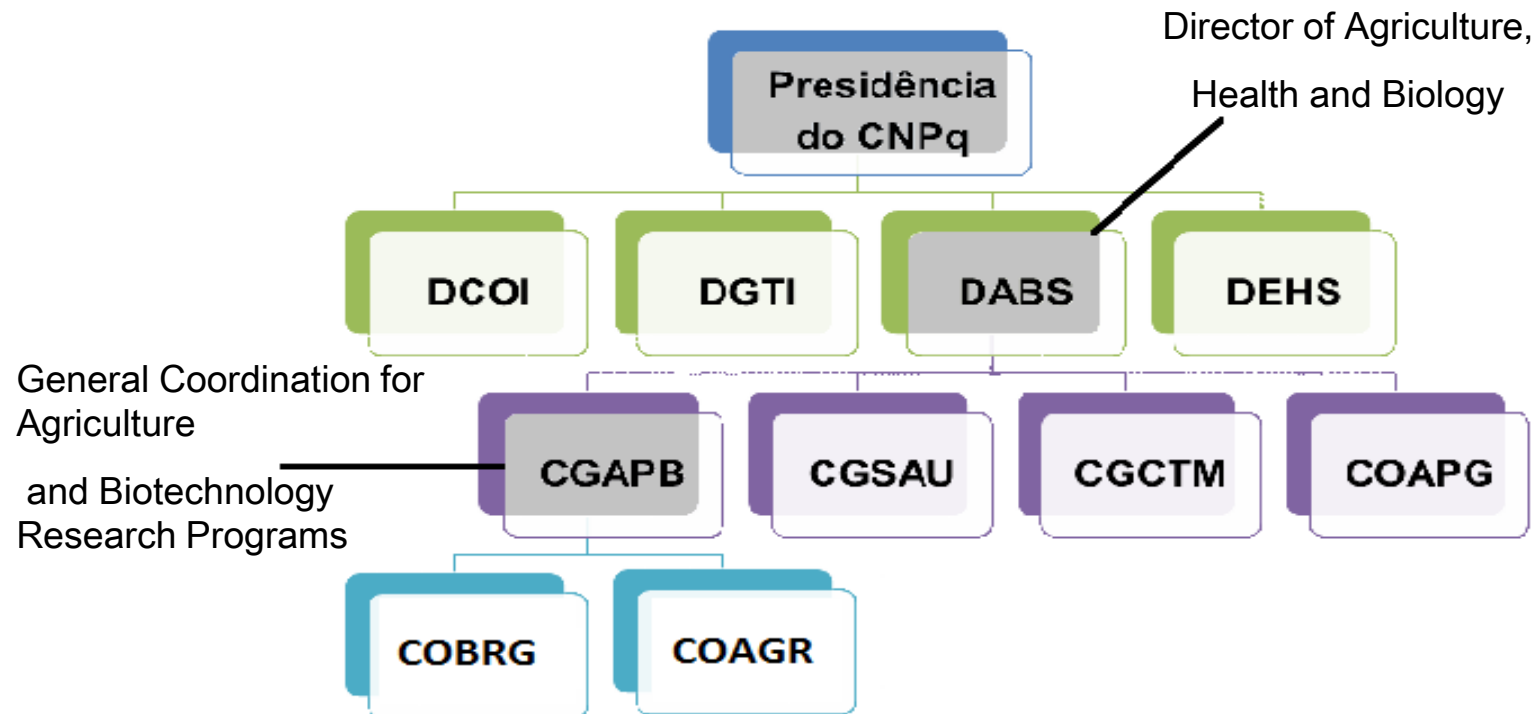
INCT of Tropical Fruits

INCT Synthetic Biology

Agrarian, Biological and Health Sciences Actions



CNPq's Succinct Organogram



Complete Organogram available at:
<http://www.cnpq.br/web/guest/organograma>

About the Zika Joint Call

1. Extraordinary credit in favor of MCTIC, in the amount of R\$ 50.00 million (CT-Health) - R \$ 30 million for FINEP, R\$ 20 million for CNPq (R\$ 15 million, R\$ 5)
2. Total budget Call: **R\$ 65 million**, R\$ 15 million from FNDCT / MCTI, R\$ 30 million from CAPES and R\$ 20 million from the Ministry of Health.

**Brazilian science was able to contain
the ZIKA crisis**



Login

Assine a Folha

Atendimento

Acervo Folha

FOLHA DE S. PAULO

★ ★ ★ UM JORNAL A SERVIÇO DO BRASIL

FOLHA DIGITAL POR
APENAS R\$ 1,90
NO PRIMEIRO MÊS.
ASSINE JÁ.

PUBLICIDADE



ambiente

[conferência do clima](#) | [crise da água](#) | [praias](#) | [ciência](#)

CNPq destinará R\$ 25,7 mi para sustentabilidade e incentivo à ciência

Lalo de Almeida/ Folhapress



Vitória-régia em um corixo do rio Paraguai, no Pantanal Mato-Grossense

leia também

Chefe de fiscalização do Ibama é ameaçada no Pará

Em 90% do Brasil, mudanças no clima reduzirão abelhas e afetarão alimentos

Falta de dinheiro agravou desmate, afirma Sarney Filho

ECOPONTOS

Veja mapa de onde descartar lixo reciclável em São Paulo



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R\$ 6 milhões - caatinga e o cerrado,

R\$ 6 milhões para mata atlântica, Pantanal e pampa

R\$ 2 milhões estão programados para pesquisa de biodiversidade na Amazônia

R\$ 4 milhões, é direcionado às baías brasileiras

R\$ 7,7 milhões serão destinados à popularização da ciência, com foco em olimpíadas, feiras e mostras científicas

New Projects 2018

Use of Animals for Scientific and Didactic Purposes: Role of CNPq



Public Call for Association of Facilities of Scientific Animal Production to the Network



REBIOTERIO

Call MCTIC / CNPq - Distance Education Course for Training in the Use and Management of Laboratory Animals

OBJECTIVE

- Support the development and implementation of a distance learning course (EAD) to **train technicians and users involved in the production and maintenance of experimental animals.**
- The course should meet the immediate need for professional training and training of users throughout the country,
- aiming at the search for excellence and strengthening the production and use of animals used for scientific, educational and technological purposes

Public Call Clinical Research



- Public Call: Clinical and Pre-Clinical Trial Projects - CLOSED
- Future Investment Portfolio by the Ministry of Health

Agro-Biotechnology - 20 Mi

- Sustainable Agriculture Program
- Advanced Program on Technological Innovation in Genetics and Biotechnology

Environmental – 24 Mi

- Repatriation of Brazilian fauna information from foreign museums - REFAUNA
- New Technologies in Water Resources Program

Health – 60 Mi

- *Noncommunicable diseases* (NCDs) - non-transmissible Chronic
- Underage: Addressing Reproductive Health
- Innovation in health Sciences
- Antimicrobial resistance

General priorities – 2 Mi

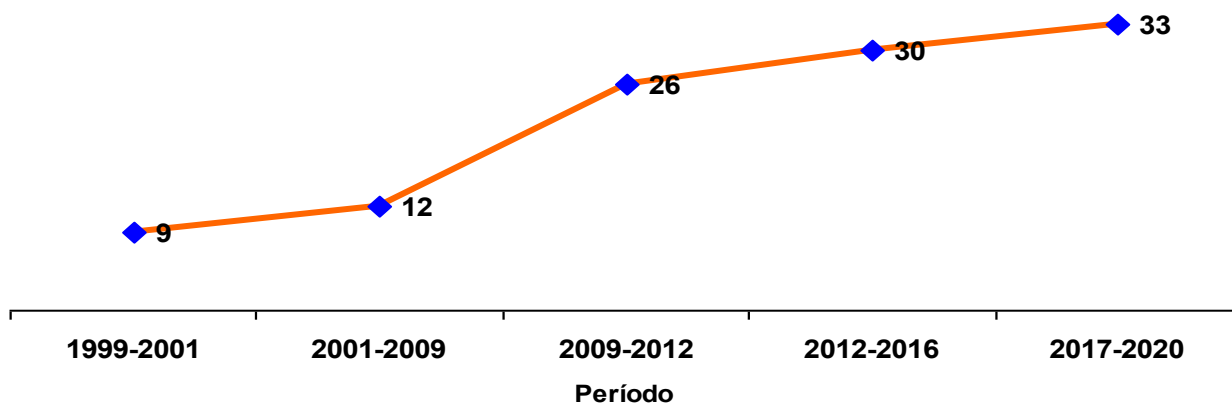
- Project Impact
- Scientific Societies internationalization

FOCUS ON ECOSYSTEM ECOLOGY

Investiment untill 2015 - R\$ 31 Mi

Projection 2020 - R\$ 54 Mi

Evolução do número de sítios PELD



Call	Partnership
1997	CNPq
2001	CNPq
2009	CNPq/MCTI
2012	CNPq/MCTI/FAPs
2016	CNPq/ Capes FAPs/Fundo Newton-BC

Humanidades, Sociais, Exatas, Engenharias

Projetos Tradicionais:

- Apoio ao Programa Editorial
- Olimpíadas Científicas

Humanidades, Sociais, Exatas, Engenharias

Novos Projetos

- 1) **Programa de Pesquisa em Educação Básica (PPEB):** Apoiar financeiramente projetos de pesquisa e de inovação que permitam criar estratégias diferenciadas de ensino e aprendizagem, bem como, desenvolver políticas de formação docente para a elaboração de estratégias e orientações sobre o uso de tecnologias na prática pedagógica, nos diversos campos do conhecimento em questões relacionadas à educação básica das redes públicas de ensino.

- 2) **Investimento Estratégico em Engenharia** - apoio a 4 linhas temáticas:
 - * Formação de Mais e Melhores Engenheiros.
 - * Tecnologias em Smart Grids.
 - * Inovação em Engenharia Biomédica.
 - * Desenvolvimento de Carros Elétricos e Autônomos

Humanidades, Sociais, Exatas, Engenharias

Novos Projetos

4) Cidades Sustentáveis - apoiar projetos que visem promover o desenvolvimento de soluções tecnológicas que contribuam para a sustentabilidade das cidades, em especial nas áreas com impacto relevante para a redução das desigualdades sociais e dos efeitos negativos do desenvolvimento urbano no meio ambiente;

5) Meninas nas ciências exatas, engenharias e computação - Apoiar projetos que visem estimular a formação de mulheres para as carreiras de ciências exatas, engenharias e computação no Brasil, despertando o interesse vocacional de estudantes do sexo feminino da Educação Básica (Ensino Fundamental a partir do 6º ano e do Ensino Médio) e da Graduação por estas profissões e para a pesquisa científica e tecnológica.

6) Tecnologia Social - Apoiar projetos de desenvolvimento e avaliação de Tecnologias Sociais que visem à solução de demandas sociais e que atendam aos requisitos de simplicidade, fácil aplicabilidade, reaplicabilidade, efetivo impacto e repercussão social

7) Programa de Ação Afirmativa do Instituto Rio Branco – IRBr. Bolsas-Prêmio de Vocação para a Diplomacia 2017/2018

Future Projects

- Effective Participation of Scientific Societies

CNPq created the first Synthesis Center of the Southern Hemisphere

(Project being discussed in Seminars with National and International Scientific Society)

- As originally conceived, synthesis centers were meant to focus on the re-use of existing data to address “big picture” questions

CNPq articula criação de Centro de Sínteses em Biodiversidade e Ecossistemas

Coordenação de Comunicação Social do CNPq

Sex, 07 Jul 2017

 Imprimir  Comunicar erro

 Compartilhar 0

 Tweetar

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O diretor de Ciências Agrárias, Biológicas e da Saúde do CNPq, Marcelo Morales, participou, nesta quinta-feira, 6, em Petrópolis (RJ), das discussões que levarão à implementação do Centro Nacional de Sínteses em Biodiversidade e Ecossistemas em parceria com outras agências de fomento à pesquisa do Brasil, com o apoio de pesquisadores internacionais.







**2% em
2020**

GDP - Gross domestic product

Thank you!

