

Res|ST|Researching Inequality through Science and Technology

Stakeholders' Board Meeting, Rio de Janeiro, Brazil

- Nanoscience, Nanotechnology and Inequality: The Brazilian Case
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RENANOSOMA



2001

- CALL CNPQ 01/2001
- 4 NETWORKS 2001/2005 - R\$10 MILL
- MATERIALS NANOSTRUCTURATED
- NANOBIO TECHNOLOGY
- MOLECULAR NANOTECHNOLOGY AND INTERFACES
- SEMICONDUCTORS AND NANODEVICES

2003

- Regulation MCT n° 252, from 16.05.2003
- Working Group to produce the report
- “Development in Nanoscience and Nanotechnology”
- Development Programme of Nanoscience and Nanotechnology for the Brazilian Federal Govern Plan 2004-2007
- R\$ 8.4 MILLION
- Public Consultation

2004

- Regulation MCT n° 614, 12/01/2004
- BRAZILNANO NETWORK
- Development Programme in Nanoscience and Nanotechnology
- Industrial, Technological and Trade Policy

2004

- CALL CNPQ 12/04 13 PROJECT
- BIOTECHNOLOGY R\$3.5 MILLION
- CALL CNPQ 13/04 5 PROJECT
- SOCIAL, ENVIRONMENTAL AND ETHICAL IMPACTS R\$125.000,00

2005

- CALL MCT/CNPQ 29/2005
- 10 NETWORKS 2005/2009
- R\$12 MILLION
- Simulation and Modelling of Nanostructure
- NanoPhotonic
- Nanobiostructure
- Nanostructured coating
- Microscopy /Probe (Varredura de Sondas)

2005

- Carbon Nanotubes
- Nanoglucobiotechnology
- Molecular Nanotechnology and Interfaces
- Nanobiomagnetism
- Nanocosmetic

2005

- CALL MCT/CNPQ 28/2005
YOUNG DOCTORS
- 19 PROJECTS R\$ 3 MILLION
- CALL MCT/CNPQ 58/2005
- INCUBATOR FOR NEW COMPANIES
- 11 PROJECTS R\$1 MILLION

MCT/CNPq calls for research for these purposes

- 1) To increase the scientific and technological development;
- 2) To increase international competitiveness of Brazilian science, technology and innovation;
- 3) Equally regional development;
- 4) Integration between public and private research centers and companies

MCT/CNPq calls for research for these purposes

- 5) Qualified job creation;
- 6) To increase the Brazilian industry technological level;
- 7) To increase the Brazilian economic development.

PRESIDENT LULA'S SPEECH
CAMPINAS , AUGUST 19 2005
OPENNING THE NANOSCIENCE AND
NANOTECHNOLOGY BRAZILIAN PROGRAMME

- 1) Brazil needs to export knowledge;
- 2) Technological innovation is the base for the new Brazil that we want for the future;
- 3) Brazil is an unequal country. At the same time, Brazil has places in the first industrial revolution and others in the third industrial revolution;
- 4) Scientific community should be responsible for the research decisions;
- 5) Science and Technology are essential tools to the economic and social development, and are a priority of federal government;

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- 6) The best investment is to put money in Science, Technology, and Education;
- 7) Needs to increase the connection between university and companies;
- 8) National Programme of Nanotechnology is part of Industrial, Technological, and Trade Policy;
- 9) Power = Scientific and Technical knowledge;
- 10) The best form to look for social justice.

Preliminary Conclusion of Nanoscience and Nanotechnology in Brazil

- The role of priority to develop nanotechnology in Brazil is a mirror from USA and EU, so this is not against inequality.
- There are no connections between nanotechnology development, Brazilian biodiversity and fight against inequality.
- Scientific and Technological Development will “naturally” correct Brazilian inequalities.
- Brazil can not loose this “historic opportunity” to develop the country through nanotechnology

Preliminary Conclusion of Nanoscience and Nanotechnology in Brazil

- Only Scientific Community and the State decide about nanotechnology. There is no social control or public participation in this kind of decisions;
- Inequality is not subject for the Brazilian Nanoscience and Nanotechnology development, and to contribute for the change of Brazilian Society