



SIBRATEC

Brazilian System of Technology

**Science and Technology for
Brazilian Enterprises**

10/12/2010

Strategic Priorities

- I. Expand and Consolidate the National Sci, Tech & Innov System:**
Expand, integrate, modernize and consolidate the National Science, Technology and Innovation System
- II. Promote Technological Innovation in Enterprises:**
Boost promotion actions to create a favorable environment for innovation in enterprises and strengthen Brazil's Industrial, Technological and Trade Policy
- III. R,D&I in Strategic Areas:**
Strengthen research and innovation in areas of strategic importance to Brazil's sovereignty
- IV. S,T&I for Social Development:**
Promote and strengthen science in schools, including the dissemination of technologies aimed at social inclusion and development

II – Promoting Technological Innovation in Enterprises

4. Support to Technological Innovation in Enterprises

- 4.1. Financial support to R,D&I and the placement of researchers in enterprises
- 4.2. Support for cooperation between enterprises and Science and Technology Institutions
- 4.3. National innovation initiative
- 4.4. Capacity-building in innovation for HR
- 4.5. Implementation of industrial R,D&I centers

5. Innovation Technology in Enterprises

5.1. Brazilian System of Technology– SIBRATEC

6. Incentives for the Establishment and Consolidation of Technology Intensive Enterprises

- 6.1. National Incubator and Technological Park Support Program (PNI)
- 6.2. Inovar – Promote the creation and expansion of the venture capital industry in Brazil
- 6.3. Use the government's purchasing power to stimulate development in domestic technology enterprises



SIBRATEC - Brazilian System of Technology

WHAT SIBRATEC IS

SIBRATEC is one of the main instruments used by Brazilian Government to integrate the scientific and technological community and innovative enterprises.

Instituted by Decree nº 6,259, of November 20th 2007, SIBRATEC integrates the Action Plan on Science, Technology and Innovation for National Development (PACTI 2007-2010).

Sets financing actions to create a favorable environment to technological innovation in enterprises.

HOW IT WORKS

OBJECTIVE

To provide conditions to enterprises to increase their current levels of innovation. It means higher aggregated value to enterprises results, more productivity, more competitiveness and a greater insertion of Brazil in the global market.

ORGANIZATION

Organized in three types of networks, named components:

- *Innovation Centers*
- *Technological Services*
- *Tecnology Extension*

GOVERNANCE

Managed nationwide by :

- *Management Committee*
- *Three Technical Committees*
- *Executive Secretariat*
- *Executive Agency*

Each SIBRATEC network is managed by a Coordination Committee, integrated by networks integrants.

Legal Framework

Decree 6259 of 11/20/2007

Established the Brazilian System of Technology - SIBRATEC to support the technological development of domestic industry through the following activities:

- I - research and development in innovation processes and products; and
- II - provision of metrology, extension, assistance, and technology transfer services.

MCT Administrative Rule 36 of 1/25/2008

Designated the Member Bodies of the **SIBRATEC Management Committee – MC**

MCT / MDIC / MAPA / MEC / MS / MME / MC / NAE-PR / FINEP / CNPQ / BNDES / CAPES / INMETRO / INPI ABDI / CNI / SEBRAE / ANPEI

LEGAL FRAMEWORK

CG-SIBRATEC Resolution 01 of 3/17/2008

Approved the General Guidelines governing the Brazilian System of Technology–
SIBRATEC

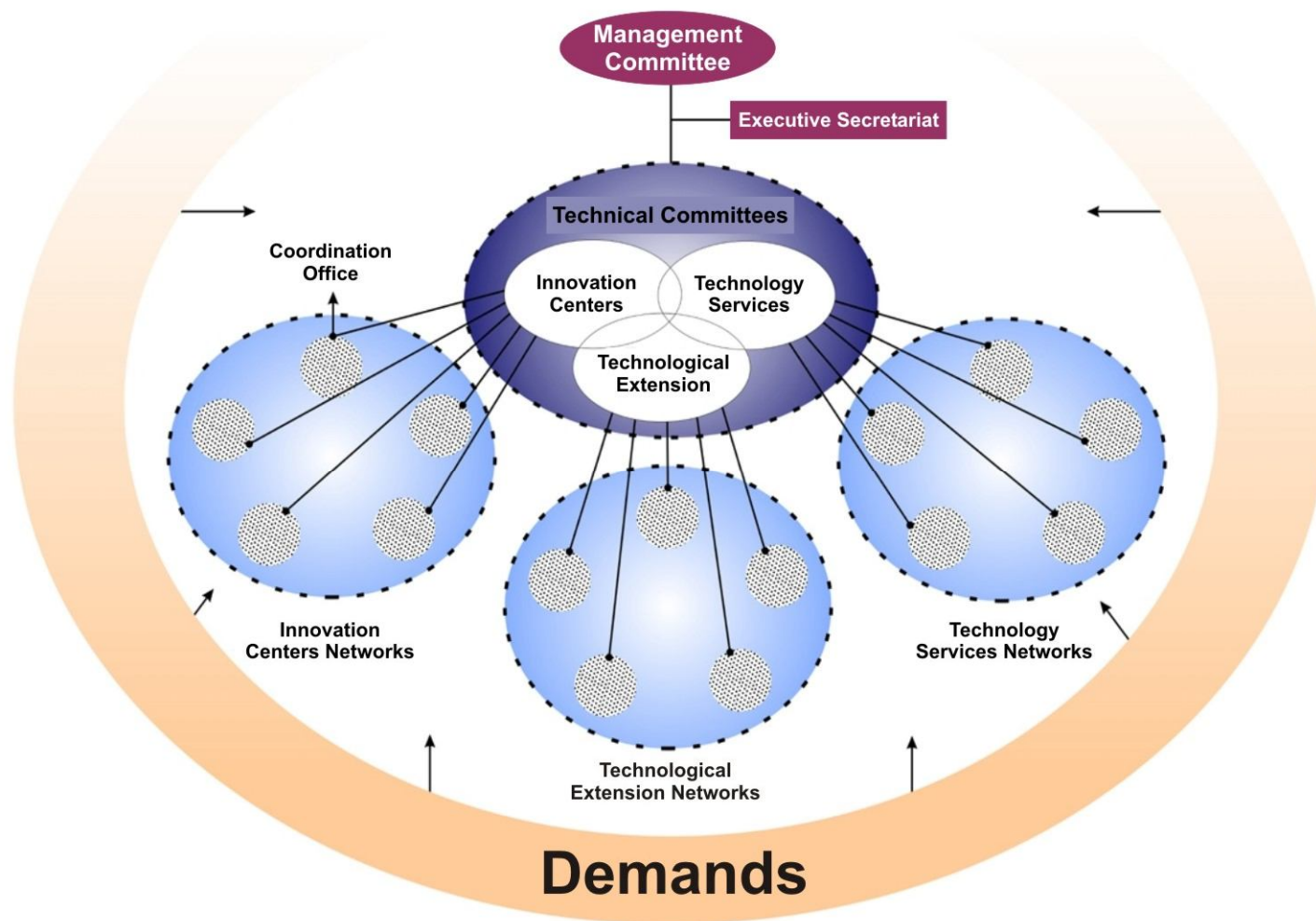
CG-SIBRATEC Resolution 02 of 4/8/2008

Approved the Statute of the Management Committee of the Brazilian System of
Technology – SIBRATEC

CG-SIBRATEC Resolution 03 of 4/8/2008

Approved the Regulation of the Brazilian System of Technology - SIBRATEC

MANAGEMENT FRAMEWORK

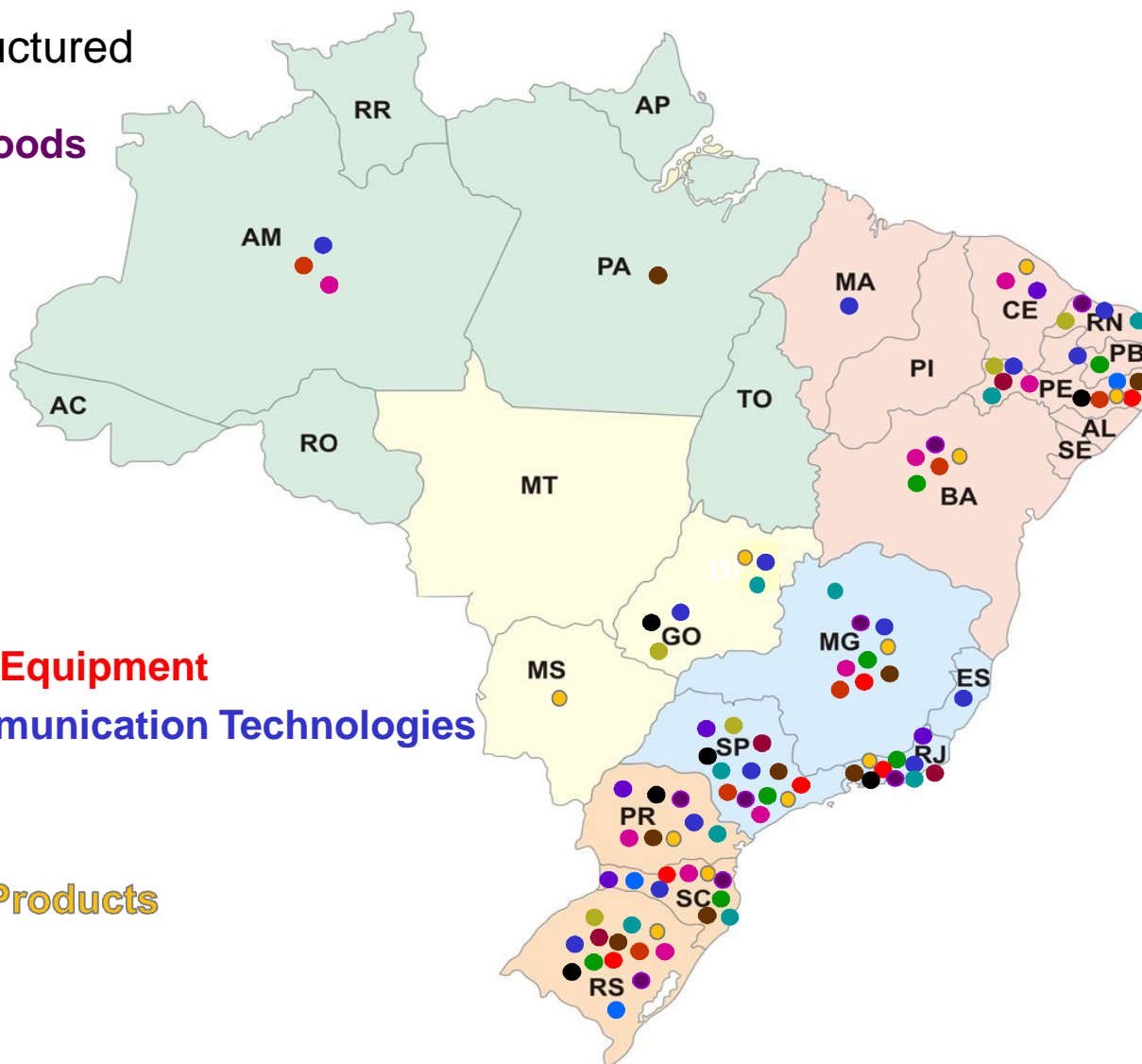


- This component aims at generating and transforming scientific and technological knowledge into products, processes and prototypes with commercial viability (radical or incremental innovation)
- Innovation Centers are composed by development units or groups that belong to technological research institutes, research centers or universities, with experience in interacting with companies.
- It is desirable that the participants institutions should have a Intellectual Property Policy.

Innovation Centers

14 SIBRATEC's Networks structured

- Manufacturing and Capital Goods
- Microelectronics
- Electronics for Products
- Wine Making and Viticulture
- Photovoltaic Solar Energy
- Plastic and Rubber
- Advanced Visualization
- Bioethanol
- Human Health Products
- Medical, Hospital and Dental Equipment
- Digital, Information and Communication Technologies
- Nanocosmetics
- Electric Vehicles
- Animal Health and Nutrition Products

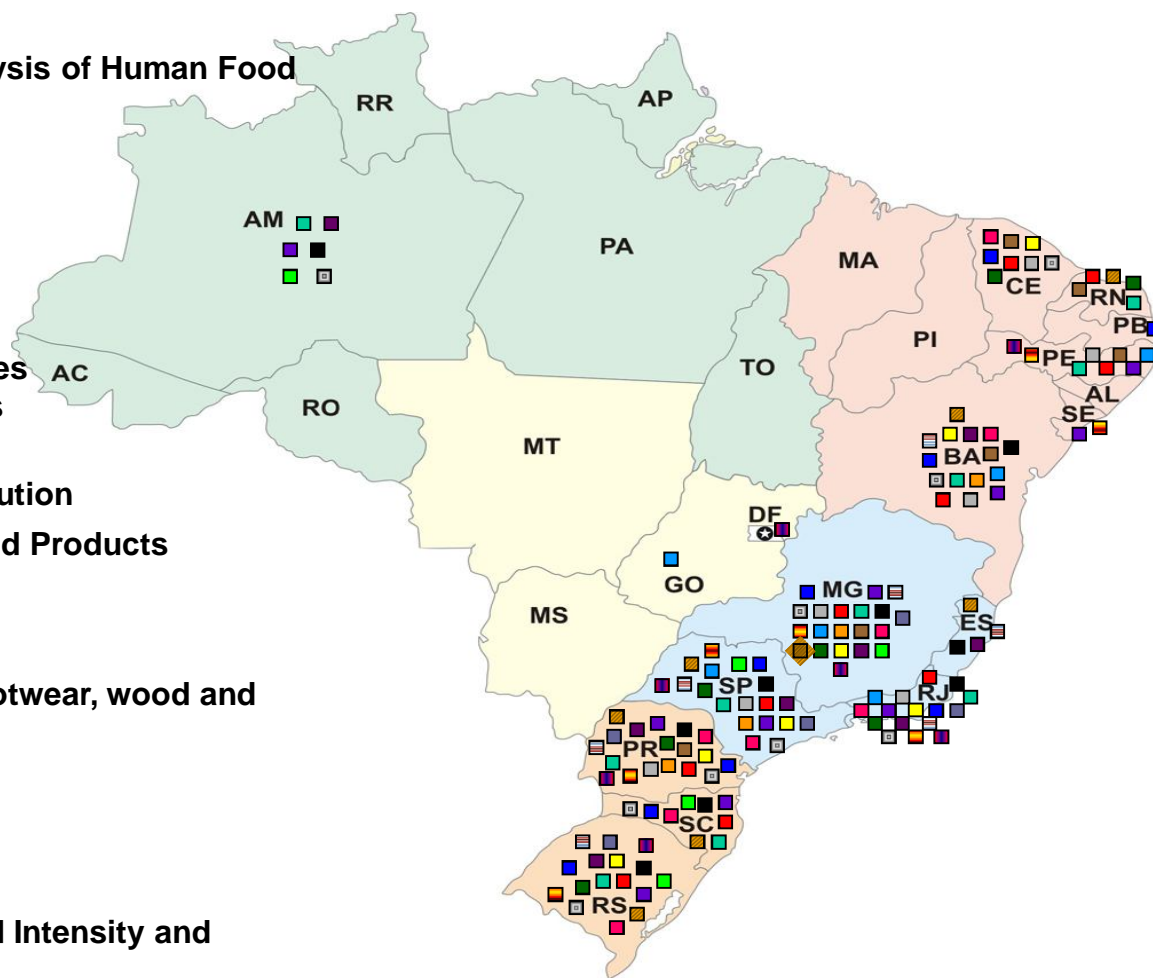


- This component intends to support the infrastructure for calibration, tests, analyses and conformity assessment services, as well as standardization and technical regulation activities, to meet enterprises needs, associated to complying to technical requirements for market access.
- Networks are formed by laboratories and organizations that are accredited or have a laboratory quality management system implemented.

Technological Services

20 thematic networks

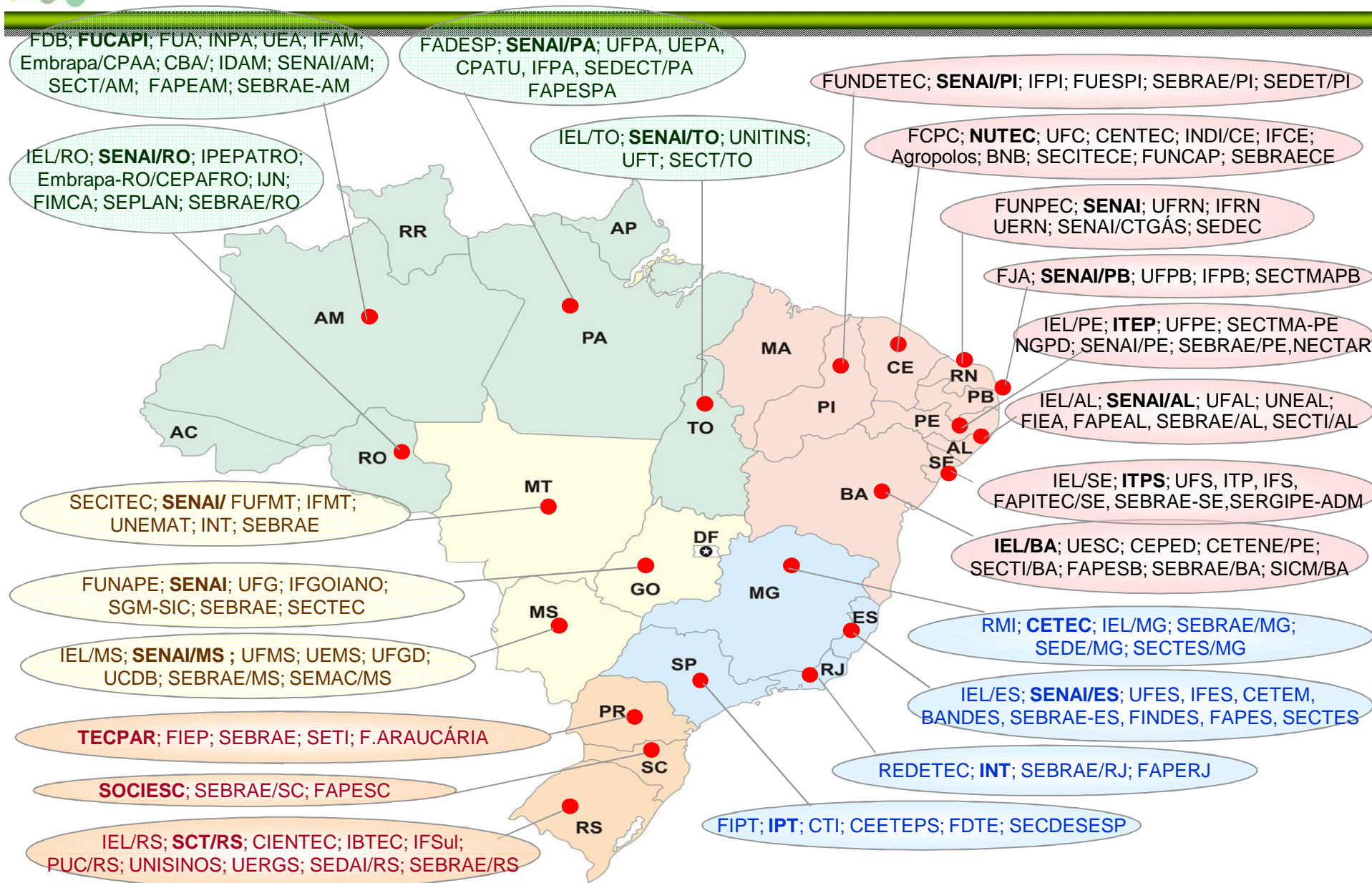
- Health Products
- Pharmaceutical Ingredients, Drugs and Cosmetics
- Blood and Blood Products
- Physical-Chemical and Microbiological Analysis of Human Food
- Biotechnology
- Sanitation and Water Supply
- Radiation Protection and Dosimetry
- Personal Protective Equipment
- Electronic products and devices
- Information and Communication Technologies as applied to new media: Digital TV, Wireless Communication, Internet
- Power Generation, Transmission and Distribution
- Defense and Public Security Components and Products
- Biofuels
- Mechanical Manufacturing Products
- Traditional Products: textiles, leather and footwear, wood and furniture
- Building Installations and Public Lighting
- Environmental Monitoring
- Processed Plastics
- Gravity, Magnetic Orientation, Magnetic Field Intensity and Electromagnetic Compatibility
- Chemical Residues and Contaminants in Food



- This component provides access of small and medium enterprises to the State Networks of Technology Extension aiming at **solving gaps** in technology management, projects, development, production and commercialization of goods and services.
- This Arrangement is constituted by **institutions specialized in technology extension**.
- **The sectors serviced** by the Networks are chosen by the State, aiming at the reinforcement of local productive systems.

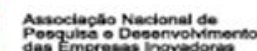
Technology Extension

22 State Networks of Technology Extension





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