

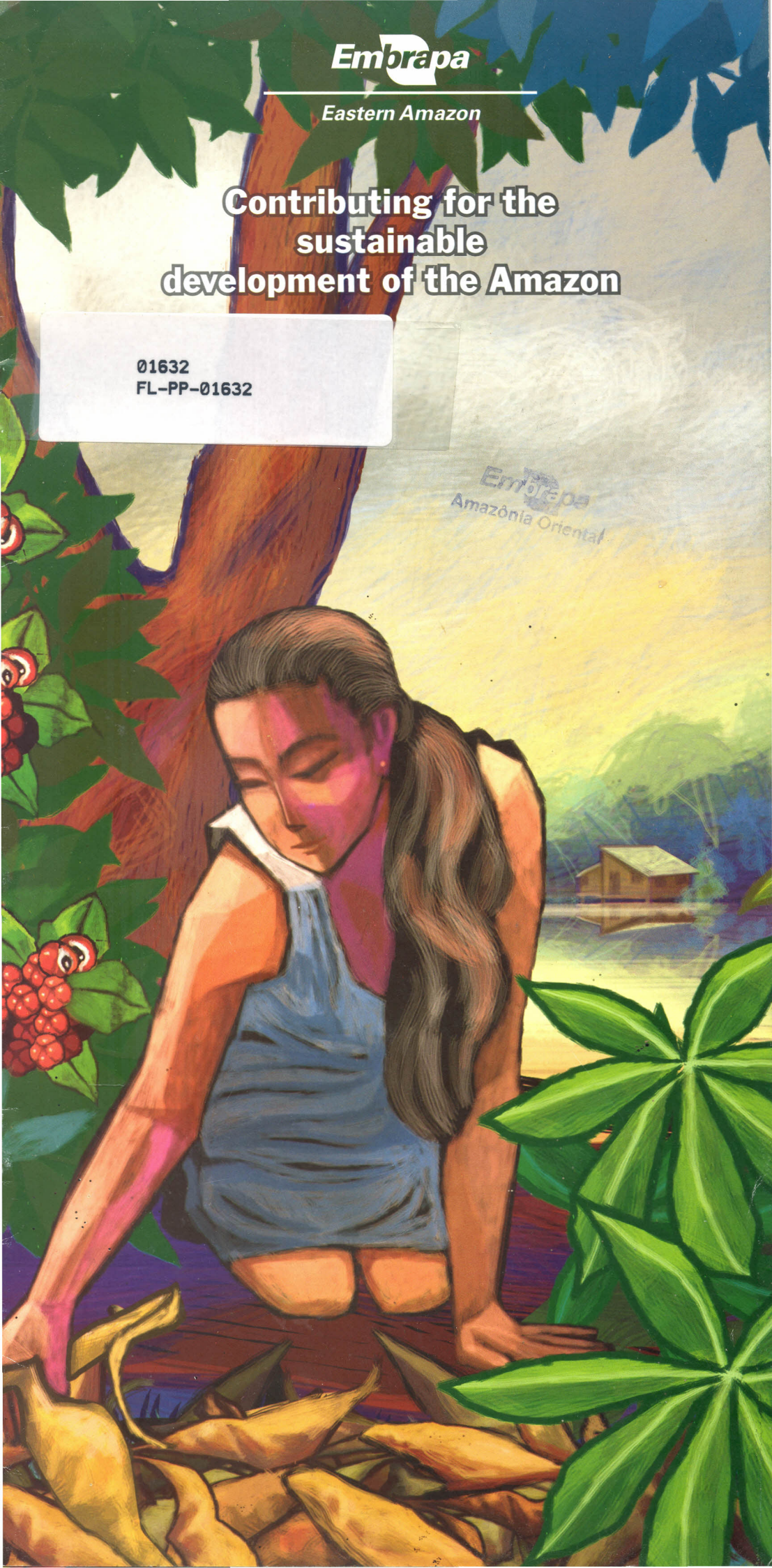
**Embrapa**

Eastern Amazon

**Contributing for the  
sustainable  
development of the Amazon**

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Embrapa  
Amazônia Oriental







## Embrapa Eastern Amazon and its Mission

Founded as the Northern Agronomical Institute - IAN (1939-1962), this Center passed through several changes and names as follows; Northern Institute of Research and Agricultural Experimentation - IPEAN (1962-1976), Center of Agricultural Research for the Humid Tropics - CPATU (1976-1994), and then Embrapa Eastern Amazon (since 1994). This Center is one of the 41 units of the Brazilian Agricultural Research Corporation, - Embrapa, linked to the Ministry of Agriculture, Livestock and Food Supply with its main geographical focus being the Eastern Amazon and in particular, the State of Pará.

As an important Eco-regional Center, the Embrapa Eastern Amazon has the following mission

“ To make possible solutions for the sustainable development of the rural environment of the Eastern Amazon, with a focus on agribusiness, through the generation, adaptation and transfer of knowledge and technology to the benefit of the diverse segments of society. ”



## Institutional Focus

The main focus is on Research & Development and Innovation (R & D, I) for the sustainable development of the rural environment of the Eastern Amazon. It acts in knowledge and technology marketing, with products and services of quality, in order to promote the sustainability and competitiveness of agribusiness, for the agricultural, agro-industrial and forestry sectors, social inclusion and well-being.

The Center offers its customers a variety of products and technical and scientific publications in the different fields of agrarian sciences, as well as a diversified portfolio of services.





# Research Areas

## **Natural resources and environment**

Knowledge and information mainly on the potential and the limitations of vegetation, climate and soil, as well as zoning and monitoring tools for agricultural, forestry and agro-industrial development.

## **Genetic resources**

Knowledge and technology on genetic resources and regional biodiversity of flora and fauna through the identification, characterization and domestication of species of economic interest.

## **Forest and Agro-forestry**

Knowledge and technology on natural forests, forest management, silviculture and forestry and agro-forestry production systems.

## **Agriculture**

Knowledge and technology for the planning and development of production systems and practices for annual and perennial crops for food and industrial uses.

## **Animal Husbandry**

Knowledge and technology to the development of sustainable animal production systems for meat and milk products.

## **Agroindustry**

Alternative post-harvesting processes for agricultural and forestry products, to aggregate market value to the product mainly for small and medium size regional agro-industry.

## **Human capital, organizational and infra-structure facilities**

In order to carry out the project activities for the generation and transfer of knowledge, technologies, services and products, the Embrapa Eastern Amazon counts on a staff of 500 employees, distributed among the categories of researchers, analysts and assistants.

The majority of researchers, and analysts have a master or doctorate degree gained through a planned post-graduation training program in the different fields of knowledge important for forestry and agro-industrial development in the region.



The search for technological solutions demanded by society is reflected in the research projects. The organization of the researchers in Thematic Nuclei for similar areas of knowledge is a strategy to put them together and gain the maximum benefit from their combined intellectual capital. The nuclei, are organized as follows; Management and Use of Natural Resources, Applied Biology, Natural Forest Management, Biotic Agents Management, Sustainability of Land Use Systems and Information Management for Agribusiness. They are inter- and multi-disciplinary groups focused on solutions to regional problems.

The infra-structure facilities to give support to the R & D, I activities, at Embrapa Eastern Amazon, are based on 12 specialized laboratories, namely: Agro-industry, Animal nutrition, Biotechnology, Botany, Climatology, Eco-physiology, Entomology, Forest seeds, Plant propagation, Plant pathology, Soil and plant nutrition, and Remote Sensing. There is also a decentralized office network (Nuclei of Support to Research and Technology Transfer - NAPT) and Experimental Stations located in strategic regions in the State of Pará, such as: the Transamazônica highway, the Médio Amazonas region, Belém-Brasília highway, Bragantina region, the Baixo Tocantins and the Marajó office.

The Center has a library specialized in agricultural sciences, since 1942, with almost all titles now available through an electronic consultation service.





## Partnership networking

National and international partnerships have increased and strengthened the efforts in research collaboration. Bilateral and multilateral cooperation strengthen the techno-scientific program and increase the financial resources making possible projects and outreach actions and institutional strengthening.

Throughout its institutional history, the Unit has produced a significant quantity of knowledge, technologies, products and services for the use of its customers. The quality standard of the services has given the Center a recognized position as a leading R & D, I, institution in the Humid Tropics.

## Communication and technological business

The use of appropriate methodologies to disseminate the technologies generated, is of great importance to reach the targeted stakeholders. Several mechanisms are used by Embrapa Eastern Amazon to reach this goal.

The Nuclei of Support to Research and Technology Transfer (NAPTs), with offices located in different regions of the State of Pará, also have the objective to support research activities and help in the dissemination of results in closer proximity with local farmers.

Field days are an efficient means of technology transfer, since they provide opportunities to show results of the research carried out at local and regional level, with potential of their immediate use for the improvement of crop production and productivity.

## Services

The institution offers services in diverse areas of knowledge of interest to agribusiness, such as zoning and monitoring procedures, and several laboratorial analyses.

These services are provided to a high standard by the Agro-industry, Botany, Entomology, Plant pathology, Biotechnology, Soil and plant nutrition, Climatology, Eco-physiology, Remote sensing, Animal Nutrition, Plant propagation and Forest seed laboratories.

Embrapa Eastern Amazon offers its different clientele; extensionists, private sector, teachers, students and farmers, training courses in areas such as agriculture, animal husbandry, forestry and agro-industry, conducted by Embrapa's staff and partners. It is the technology reaching out to society.



# Farming, forestry and agro-industry development of the Amazon: a vision for the future.

To unmask the mysteries and to contribute to the knowledge and responsible use of the planet's greatest biodiversity is a challenge that Embrapa Eastern Amazon has faced throughout its existence as an institution of R & D, I. The quantity of information gathered from research and development projects has generated new technologies, scientific methodologies, technical recommendations, agricultural and agro-industrial practices and processes, which have contributed considerably for the development of the region.

The investment in training of professionals in areas such as the genetic manipulation of plants and animals and agro-industrial processing of buffalo milk, regional fruits, forest management and cattle production systems has been very impressive, generating important knowledge on Amazon native plants and animals never before studied.

The renewal of its staff, with the arrival of new professionals qualified for research and development in innovative areas, such as biotechnology, nanotechnology, bio-energy, water quality, climatic changes and aquaculture, gives evidence of the future goal of the Center and its concern with the subjects that are currently the main challenges not only in the Amazon region, but world-wide.





CONTRIBUTING for the ...

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**Embrapa**

**Eastern Amazon**

**Ministry of Agriculture,  
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Food Supply**



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