

CCT
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July 29, 2024

AI for the Good of All

Proposed Brazilian Artificial Intelligence Plan 2024-2028

Introduction

The AI for the Good of All Plan seeks to:

Transform the lives of Brazilians through sustainable and inclusive innovations based on Artificial Intelligence.

Equip Brazil with advanced technological infrastructure with high processing capacity, including one of the five most powerful supercomputers in the world, powered by renewable energy.

Develop advanced language models in Portuguese, using national data that encompass our cultural, social, and linguistic diversity, to strengthen AI sovereignty.

Educate, train, and retrain people in AI at scale to value workers and meet the high demand for qualified professionals.

Promote Brazil's global leadership in AI through national technological development and strategic actions for international collaboration.

Process for developing the proposed AI plan

The PBIA was developed through a highly participatory and inclusive process:

- Two CCT working meetings
- 38 documents received from the CCT with more than 300 proposals
- 300 participants in 6 workshops held with CCT members, experts, public IT institutions, the private sector, civil society, the federal government, and regulatory and oversight bodies
- 6 summary documents from the workshops
- 117 public, private, and civil society institutions represented
- More than 30 bilateral meetings with public and private institutions

Structure

I. Introduction

II. The context of artificial intelligence in the world and in Brazil

III. What is AI for the Good of All?

IV. Immediate-impact actions

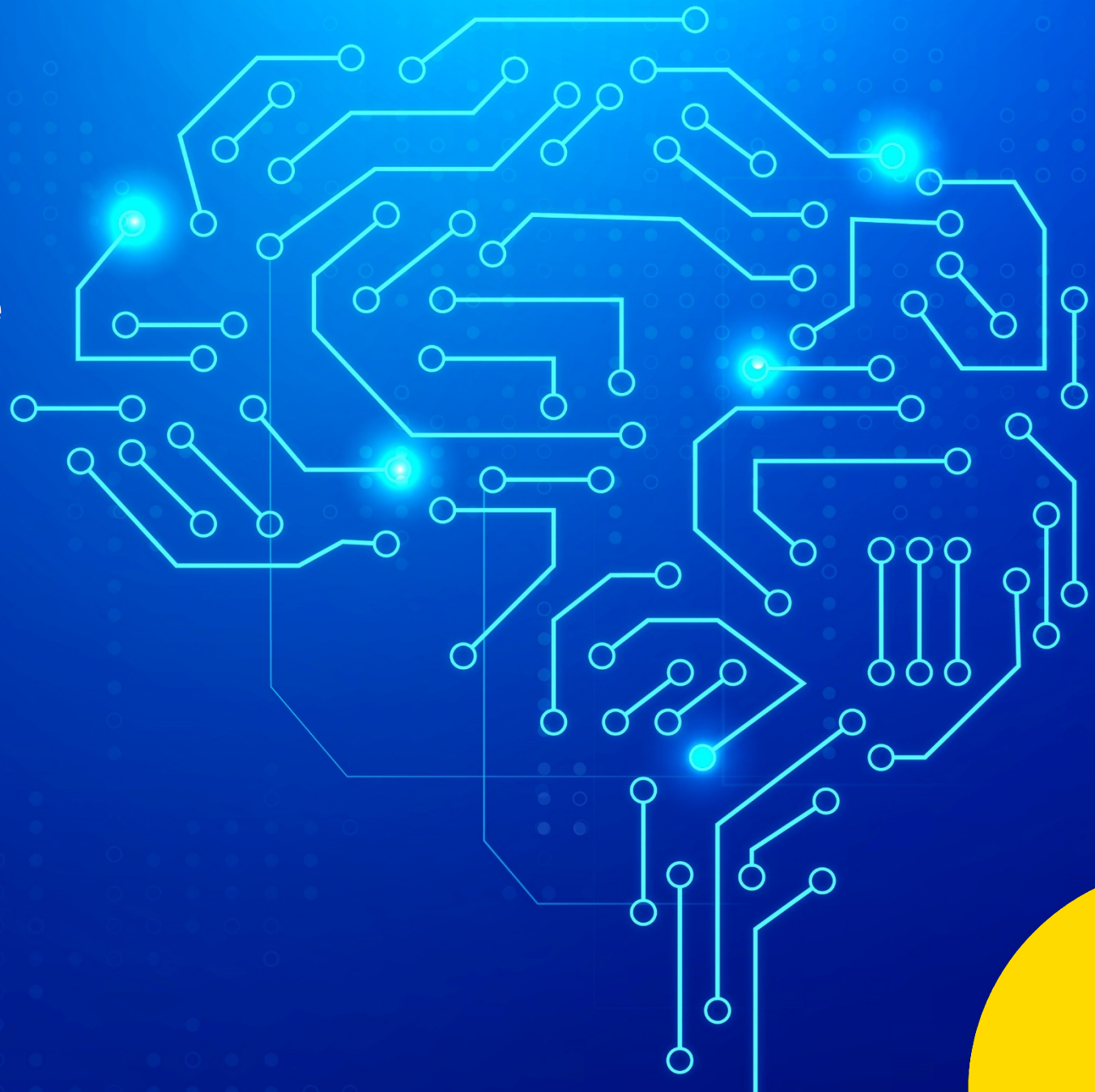
V. Structuring actions

- Axis 1: AI Infrastructure and Development
- Axis 2: AI Dissemination, Education, and Training
- Axis 3: AI for Improving Public Services
- Axis 4: AI for Business Innovation
- Axis 5: Support for the AI Regulatory and Governance Process

VI. Proposal for managing and monitoring the AI for the Good of All Plan

Definition

For the purposes of this Plan, Artificial Intelligence (AI) is defined as systems that produce results from a large volume of data, enabling a learning process, that make predictions, classifications, recommendations, or generate decisions that may influence physical and virtual environments.



The context of artificial intelligence in the world and in Brazil

AI as a disruptive technology



AI is a transformative technological force

3rd wave of the ICT revolution: microprocessors and data

Potential to reshape all sectors

Race for leadership with geopolitical impacts



Effects on critical spheres

Education and work

Environment and sustainability

Information integrity

National sovereignty

Public investment in AI worldwide



USA

R$ 63 billion in public investment in AI R&D (2021-2024). Private investment estimated at R$ 380 billion in 2023.



China

R$ 306 billion in investments in data centers in 2024. Private investment was estimated at R$ 39 billion in 2023.

Public investment in AI worldwide



Germany

R$ 29 billion over 7 years to invest in 12 fields of action in the strategy for AI.



France

R$ 14 billion through 2030 to develop infrastructure, establish an ecosystem for research, and expand industrial competitiveness in AI.



Italy

R$ 6 billion over 5 years to support startups and provide access to supercomputing infrastructure for AI.



United Kingdom

R$ 18 billion over 10 years for research infrastructure, skills development, and creation of the AI Safety Institute.



European Union

R$ 16 billion (2024-2027) to establish “AI Factories” and foster the application of AI in industrial and social sectors.

AI for the Good of All Plan

AI is a tool capable of leveraging Brazil's social and economic development

Opportunities:

› Young population, agile in adopting technologies

› Diversity of national databases

› Clean energy mix

› Installed research and development capacity

› Multiple initiatives to apply and develop AI tools by companies of different sizes

Challenges:

› Expand investment in infrastructure, R&D, and innovation

› Ensure data interoperability and robustness

› Strengthen talent training and retention

› Support the regulatory and governance process to guarantee rights and promote innovation

Examples of initiatives to apply and develop AI tools by companies (1)

Initiative	Company/ Institution	Area	Description
ApoIA Startups - Education	OpenAI and Fundação Lemann	Education	Support for education startups in Brazil, with incentive for the creation of educational AI solutions
Libras Project	Lenovo	Social Development	AI tool for digital inclusion for people with hearing impairments
ChatGPT4 in the Naves do Conhecimento	OpenAI and Rio City Hall	Social Development	Accessible AI in low-income communities in Rio
Combating Disinformation	OpenAI, UFBA, and FGV-RJ	Social Development	Combating online disinformation in Brazil with the help of AI
Acolhimento Platform	WideLabs	Social Development	AI to facilitate the child adoption process
Amazon Monitoring	OpenAI and UFAM	Environment, Climate and Sustainability	AI system to combat deforestation and boost sustainability
Heartbeats of the Amazon Rainforest – AI	Stefanini	Environment, Climate and Sustainability	AI solution to monitor air and water quality and detect forest fires in the Amazon

Examples of initiatives to apply and develop AI tools by companies (1)

Initiative	Company/ Institution	Area	Description
Less Fraud in Transactions	Banco do Brasil	Industry, Commerce, and Services	AI models for behavior analysis of customers
Proof of Life	Banco do Brasil	Industry, Commerce, and Services	Automated annual verification of activity of beneficiaries via AI
Small Business + AI	Banco do Brasil	Industry, Commerce, and Services	AI solution for personalized service to micro and small enterprises (MPES)
Customer Feedback Analysis	Caixa Econômica Federal	Industry, Commerce, and Services	AI for managing and responding to feedback from customers
Maritalk AI	Maritaca AI	Industry, Commerce, and Services	Chatbot in Portuguese and Spanish for Latin America
BERTimbau	NeuralMind	Industry, Commerce, and Services	Portuguese-language model leading on HuggingFace
Combating Financial Fraud	Stefanini	Industry, Commerce, and Services	AI for real-time fraud detection
AI in the Steel Industry	Stefanini	Industry, Commerce, and Services	AI for efficiency and safety in the steel industry
Wide Legal	WideLabs	Industry, Commerce, and Services	AI for automating legal tasks

What is AI for the Good of All?

What is AI for the Good of All?

Brazil's Vision



Human-centered and accessible to all,

grounded in respect for dignity and social rights, for cultural, regional, and peoples' diversity, and for valuing work and workers, preventing inequality and discriminatory biases.



Oriented toward overcoming social, environmental, and economic challenges,

increasing well-being and contributing to the achievement of the Sustainable Development Goals (SDGs).



Grounded in the right to development and in national sovereignty,

promoting technological autonomy and economic competitiveness.



Transparent, traceable, and accountable, ensuring

inherently the privacy and sovereignty of data, cybersecurity, the protection of consumers, intellectual property, copyrights, and the rights related thereto.



Globally cooperative on fair and mutually beneficial terms,

driving the progress of humanity, the protection of information integrity and the defense of democracy.

AI for the Good of All Plan

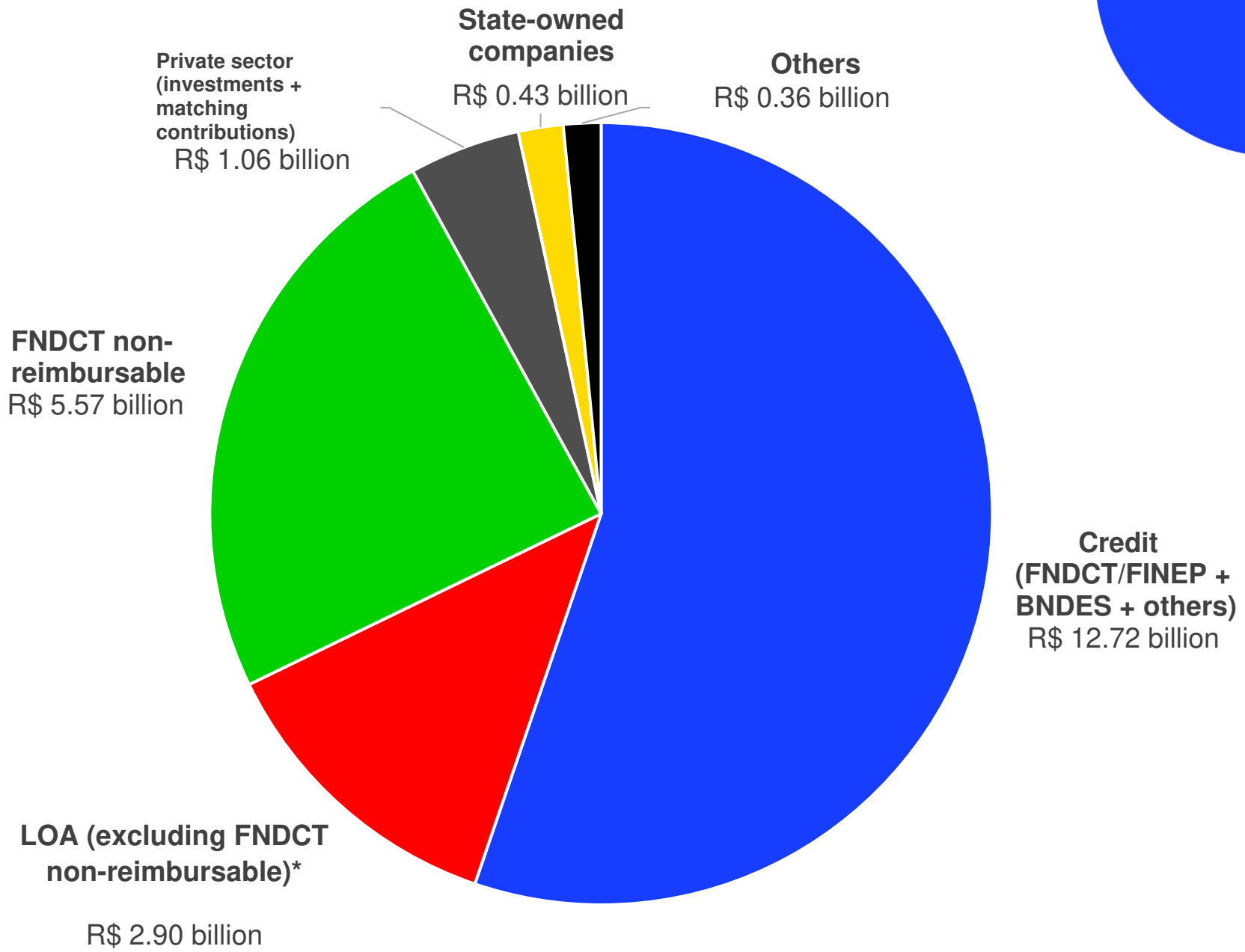
Proposed Action Plan

Planned investments

Description	2024-28
Immediate-Impact Actions	R$ 435.04 million
AI Infrastructure and Development	R$ 5.79 billion
AI Dissemination, Education, and Training	R$ 1.15 billion
AI for Improving Public Services	R$ 1.76 billion
AI for Business Innovation	R$ 13.79 billion
Support for the AI Regulatory and Governance Process	R$ 103.25 million
Total	R$ 23.03 billion

Sources of investment

PBIA Investments 2024-2028
Total: R$ 23.03 billion



*Projected overall amount, pending confirmation in the budget and financial programming of each year.

Premises of the AI for the Good of All Plan

The Brazilian Artificial Intelligence Plan is based on ten fundamental premises that guide its structuring and implementation:

1. Focus on social well-being: How can AI improve people's lives?
2. Building national capacities and training
3. Technological and data sovereignty
4. Strategic alignment with government policies, especially the New Industry Brazil (NIB)
5. Environmental sustainability (Ecological Transition)
6. Valuing diversity
7. International cooperation
8. Ethics and responsibility in the use of AI
9. Participatory governance
10. Flexibility and adaptability

Objective

Promote the development, availability, and use of artificial intelligence in Brazil, oriented toward solving the major national, social, economic, environmental, and cultural challenges, so as to guarantee security and individual and collective rights, social inclusion, the defense of democracy, information integrity, the protection of labor and workers, national sovereignty, and the sustainable economic development of the nation.



Immediate-impact actions

Immediate-impact actions

Initiatives under way or to be launched in the very short term to solve specific problems in areas that are priorities for the population.

Characteristics:

› Focus on specific problems.

› Predominance of already-developed technologies and existing databases.

› Fast, measurable, and significant results.

› Clear impacts.

› Potential for expansion, replication, and sustainability.

› Engagement and direct benefit for the target population.

Immediate-impact actions

Initiatives under way or to be launched in the very short term to solve specific problems in areas that are priorities for the population.

There are 31 actions in the following areas:

- Health
- Agriculture
- Environment
- Industry, Commerce, and Services
- Education
- Social Development
- Public Service Management

HEALTH IN THE UNIFIED HEALTH SYSTEM (SUS)

Spoken Medical Record in the SUS

AI system to automate the transcription of telehealth consultations.

› Challenge: Improve efficiency in clinical documentation during telehealth care and the need to improve the quality of care

› Scope: Development and validation of predictive models within 6 months; Implementation in telehealth consultation systems within 1 year

› Resources: R$ 2.534 million
(Budget resources)

› Institution: MS

AI for the Good of All Plan

AI to Support Medication Purchasing Decisions in the SUS

AI system to support decision-making in the purchase of medications.

› Challenge: Improve the planning and execution of government purchases of medications under the specialized component, to address challenges that affect forecast demand

› Scope: Implementation of the systems in 10 health facilities in the first year and in 50 facilities in the second year

› Resources: R$ 2.496 million
(Budget resources)

› Institution: MS

Optimization of Diagnoses in the SUS

System to improve the accuracy and speed of medical diagnoses, particularly in critical conditions such as strokes, pneumonia, breast cancer, tuberculosis, melanoma, among others.

› Challenge: Improve medical diagnosis processes, reducing the time required, for greater effectiveness and responsiveness of the SUS

› Scope: Implementation in 5 pilot hospitals in the first year and in 20 hospitals in the second year

› Resources: R$ 60 million (Budget resources)

› Institution: MS

HEALTH IN THE SUS

AI in Oral Health in the SUS

Development of technologies to improve the quality of oral health services and the prognosis of oral cancer

› Challenge: Increase the efficiency and quality of oral health services offered by the SUS and improve the National Oral Health Policy

› Scope: Development of a dashboard to monitor oral health services in primary health care (APS) and its implementation by managers in up to 5 federative units (UFs) (year 1) and up to 27 UFs (year 2); Development of biosensors for oral cancer prognosis.

› Resources: R$ 5.287 million (Budget resources)

› Institutions: MS, CNPEM, and UFMG

AI for Detecting Anomalies in Hospital and Outpatient Procedures in the SUS

System to identify abnormal patterns in billing and procedures, helping to detect and prevent possible irregularities and errors.

› Challenge: Identify anomalies in hospital and outpatient procedures to improve health system management

› Scope: Development and validation of detection algorithms within 6 months; Implementation of detection systems in the first year; Expansion to 27 UFs in the second year

› Resources: R$ 2.496 million (Budget resources)

› Institution: MS

HEALTH IN THE SUS

AI to Support the Management of Judicialization Processes in the SUS

System to improve the management of judicialization processes, prevent health-related litigation, and identify treatment alternatives

› Challenge: Optimize health litigation management, reducing costs and improving planning and management

› Scope: Development and validation of support algorithms within 3 months; Implementation of support systems within 8 months

› Resources: R$ 3.328 million (Budget resources)

› Institution: MS

Well-Cared-for Older Adults in the SUS

Artificial Intelligence platform for promoting and caring for the health of older adults

› Challenge: Improve early diagnosis of neurodegenerative diseases, specifically Alzheimer's disease, Parkinson's disease, and other dementias

› Scope: Development of a software-as-a-service AI platform for health promotion within 36 months

› Resources: R$ 9.623 million (Budget resources)

› Institutions: MS and UFPE

HEALTH – OTHER INSTITUTIONS

Autonomous Disinfection of Environments

Autonomous environmental disinfection robot using UV-C technology and ozonated mist to eliminate viruses and bacteria present in the air and on surfaces.

› Challenge: Improve the capacity to disinfect environments

› Scope: Efficiency in disinfecting environments, especially in the context of pandemics and the spread of contagious diseases.

› Resources: R$ 1.7 million (FNDCT non-reimbursable)

› Institutions: Finep and Instor

AI and Big Data for Cancer Treatment

AI platform for treating cancer of the peritoneum using ultrasound technology to aerosolize chemotherapy in the peritoneal cavity

› Challenge: Increase treatment responsiveness and survival of patients with cancer of the peritoneum

› Scope: Greater response in treating the peritoneal space.

› Resources: R$ 1.8 million (FNDCT non-reimbursable)

› Institutions: Finep, Pipac, and BhioSupply

Generative AI for Personalization in Health Care

AI assistant to optimize the personalization of health care, in the context of Digital Primary Health Care

› Challenge: Offer mass personalized medicine

› Scope: Improvement in quality-of-life indicators; Reduction in cases of diseases and illnesses.

› Resources: R$ 3.7 million (FNCDT non-reimbursable)

› Institutions: Finep, Ah, and UFMG

HEALTH – OTHER INSTITUTIONS

Prevention of Stroke and Heart Disease in Supplementary Health Insurance Customers

Application of AI to predict cardiovascular system pathologies such as ischemic heart diseases and strokes

› Challenge: Prevent pathologies related to the cardiovascular system

› Scope: Reduction in the number of complications and hospitalizations caused by heart disease and strokes

› Resources: R$ 1.2 million (FNDCT-non-reimbursable)

› Institutions: Finep, AKST, Unimed, and PUCPR

Retina Without AnomalAIes

AI system for a retinograph for high-accuracy detection of abnormalities in the human retina using a portable device connected to a smartphone

› Challenge: Help combat severe visual impairment and blindness worldwide, with more than 75% of cases due to lack of prevention and correct treatment

› Scope: System tested in a real-use environment in three pilot actions

› Resources: R$ 500 thousand (FNDCT-reimbursable)

› Institutions: Finep and Phelcom

AI for Optimizing Health Reimbursement

Development of AI-based technology to automate the reimbursement processes of health plans

› Challenge: Ensure reimbursement to health plans

› Scope: Faster reimbursement of medical procedures performed

› Resources: R$ 2.8 million (FNDCT-non-reimbursable)

› Institutions: Finep, ANS, and Paipe

AI for the Good of All Plan

AGRICULTURE AND LIVESTOCK

Digital ATER - AI

Digital technical guidance service with AI. Provision of climate, territorial, and weather data to rural producers through a chatbot service to answer questions.

- Challenge: Provide technical assistance with the potential for positive impacts on productivity and sustainability, and cost reduction
- Scope: 1.5 million producers
- Resources: R$ 85 million (budget resources)
- Institutions: MAPA

Cattle weight calculation by 3D camera

AI tool, using computer vision, for monitoring herd weight, with the advantage of easing stress on the animals by reducing cattle handling.

- Challenge: Reduce animal stress through less handling, improving the quality of the meat produced and speeding up business management for the rural producer
- Scope: Initial test on 20 farms, being expanded
- Resources: R$ 700 thousand (FNDCT-non-reimbursable)
- Institutions: Finep and Olho do Dono

ENVIRONMENT, CLIMATE, AND SUSTAINABILITY

AI for quantifying the forest stock of the Amazon biome

Mapping with AI to locate plant species of interest in the Amazon biome.

› Challenge: Catalog species efficiently and effectively

› Scope: Plant species of the Amazon biome

› Resources: R$ 1 million (FNDCT-non-reimbursable)

› Institutions: Finep, Bioverse Labs, and Natura

INDUSTRY, COMMERCE, AND SERVICES

AI for legal management

AI-powered robot assistant to perform jurimetrics. The system was created to process and analyze millions of cases published on court portals in order to generate an AI model

› Challenge: Increase the accuracy of legal services, with improvements in the drafting of legal filings

› Scope: In commercialization phase

› Resources: R$ 1 million (FNDCT-reimbursable)

› Institutions: Finep and Intelivix

Chat Caixa

Generative AI-based solution to provide efficient support to employees of Caixa Econômica Federal

› Challenge: Speed up the transfer of knowledge to Caixa employees who serve customers at branches, reducing the time spent searching for or reading regulations

› Scope: Internal use at Caixa

› Resources: R$ 417 thousand (Caixa Econômica Federal)

› Institutions: Caixa Econômica Federal

GitHub Copilot for developers

Assisted-coding assistant to optimize the experience of developers at Caixa Econômica Federal

› Challenge: Allow developers to devote more effort to problem solving and collaboration, reducing the time spent on standardized, repetitive processes

› Scope: Internal use at Caixa

› Resources: R$ 1.756 million (Caixa Econômica Federal)

› Institutions: Caixa Econômica Federal

INDUSTRY, COMMERCE, AND SERVICES

Optimization of the Housing Finance System (SFH) with AI

Adoption of AI accelerators to optimize processes related to the Salary Variation Compensation Fund (FCVS) to ensure the settlement of balances on SFH contracts

› Challenge: Ensure the settlement of remaining balances on contracts signed under the SFH

› Scope: Currently internal use, with potential to offer AI services to the other financial agents involved in the FCVS

› Resources: R$ 40 million per year (through 2026) (Caixa Econômica Federal)

› Institutions: Caixa Econômica Federal

Use of AI to generate knowledge about Caixa's housing solution

Use of AI to improve Caixa Econômica Federal employees' understanding of the Real Estate Credit solution, enabling better services to be offered to the Brazilian population

› Challenge: Increase Caixa Econômica Federal employees' understanding of the Real Estate Credit solutions

› Scope: Use by all CEF employees who work with Real Estate Credit

› Resources: R$ 1.2 million per year (Caixa Econômica Federal)

› Institutions: Caixa Econômica Federal

INDUSTRY, COMMERCE, AND SERVICES

Artificial intelligence for corporate communication

Development of customized chatbots based on advanced AI technology.

› Challenge: Promote greater and better interaction between customer and company, allowing an increase in the number of service interactions and a reduction in wait time.

› Scope: In commercial use

› Resources: R$ 92.5 million (FNDCT-reimbursable)

› Institutions: Finep and Take Blip

EDUCATION

Gestão Presente system

Intelligent management solution for monitoring attendance of basic education students, aimed at tackling school dropout and attrition.

› Challenge: Reduce school dropout and attrition

› Scope: Development of an intelligent management solution, with high potential for adoption by schools

› Resources: R$ 20 million (budget resources)

› Institutions: MEC

Quality control of food procurement for the PNAE

Implementation of AI solutions for processing and analyzing invoices for purchases of foodstuffs, with the goal of ensuring the quality of the food acquired

› Challenge: Improve the monitoring of procurement under the National School Feeding Program (PNAE)

› Scope: Being implemented

› Resources: R$ 7.5 million (budget resources)

› Institutions: MEC and FNDE

EDUCATION

Student trajectory prediction and protection system

System to reduce the number of students who drop out of Brazilian schools and universities by identifying risk and/or protective factors in trajectories, by stage.

› Challenge: Reduce school dropout and attrition

› Scope: Training of 10 thousand public managers

› Resources: R$ 500 thousand (budget resources)

› Institutions: UFAL, MEC, MCTI, State and Municipal Secretariats, Universities, Third Sector Organizations, and Multilaterals.

Adaptive solutions with generative AI for formative and diagnostic assessment in literacy acquisition and development

Support for teachers and school administrators in assessing student activities for better intervention in literacy acquisition

› Challenge: Increase the time teachers have available for analytical and pedagogical tasks

› Scope: Training of 30 thousand teachers from school systems and schools

› Resources: R$ 750 thousand (budget resources)

› Institutions: UFAL, MEC, MCTI, State and Municipal Secretariats, Universities, Third Sector Organizations, and Multilaterals.

EDUCATION

Intelligent tutoring systems for unplugged mathematics with generative AI

Systems for developing mathematical skills (unplugged mode), from the first to the fifth year of elementary school.

› Challenge: Better results for Brazilian students in mathematics

› Scope: Training of 30 thousand teachers from school systems and schools (note: same reach as the previous action)

› Resources: R$ 850 thousand (budget resources)

› Institutions: UFAL, MEC, MCTI, State and Municipal Secretariats, Universities, Third Sector Organizations, and Multilaterals.

MelhorIA for student learning and well-being

Student support systems using positive psychology, generative AI, and intelligent tutoring systems to promote learning and well-being.

› Challenge: Increase students' learning levels and well-being in the teaching process

› Scope: Training of 5 thousand teachers from school systems

› Resources: R$ 350 thousand (budget resources)

› Institutions: UFAL, MEC, MCTI, State and Municipal Secretariats, Universities, Third Sector Organizations, and Multilaterals.

SOCIAL DEVELOPMENT

Acredita no Primeiro Passo - IA

Platform to map the needs of the population registered in CadÚnico, offering qualification courses, job opportunities, and entrepreneurship support actions, directing people toward (re)entry into the labor market and sustainable entrepreneurship.

› Challenge: Reduce social vulnerability by increasing household income and improving the population's professional qualifications.

› Scope: Potential to serve 97 million people in the CAD-Único

› Resources: R$ 950 thousand (budget resources)

› Institution: MDS

PUBLIC SERVICE MANAGEMENT

Fiscaliza IA - RFB

Application of large language models to assist in the classification and adjudication of administrative tax proceedings, including searches for case law and divergent theses.

› Challenge: Reduce the time to adjudicate administrative tax proceedings at the RFB, with increased legal certainty

› Scope: In pilot phase

› Resources: R$ 500 thousand (budget resources)

› Institutions: RFB

Atende IA - Abroad

Implementation of an AI-based chatbot on consulate web pages for fast, reliable service in any language.

› Challenge: Ensure efficient service to Brazilian citizens abroad

› Scope: Implementation of the service in 20 consulates by Dec/2024

› Resources: R$ 200 thousand (budget resources)

› Institutions: MRE

Impact actions awaiting definition of budget source

Action	Institutions	Area	Description
Embrapa - Rural Chat	Embrapa	Agriculture and Livestock	Embrapa information portal for farmers with chatbot
Observatory of Graduates of the EPT	MEC	Education	AI for monitoring graduates of the federal network of technical education
SISSA - (RFEPCT)	MEC	Education	AI against school dropout in technical education
Emprega + com IA	MTE	Employment and Labor	Platform that connects job openings to candidates registered in SINE
ProtegIA for the Security of the Population	MJSP, PRF	Defense, Public Security and Cybersecurity	AI for management of media (images and videos) from police body cameras
Malha Fina IA	CGU	Public Service Management	AI for auditing public accountability
Green Cities Project Resilientes + IA	MMA	Environment, Climate, and Sustainability	System with artificial intelligence for CAU map green areas and heat islands
Project for the Control of Deforestation	MMA	Environment, Climate, and Sustainability	System that uses AI to track forest products and monitor environmental compliance
Combating Biopiracy	MMA	Environment, Climate, and Sustainability	AI applied to wildlife enforcement and control of environmental licenses
AI in the Hospitals of the EBSERH/MEC	EBSERH, MEC	Health	AI for diagnostic imaging in federal hospitals

Structuring actions

Structuring actions

Structuring actions aim to ensure technological sovereignty, the competitiveness of the Brazilian economy, and the responsible use of AI in Brazil and worldwide.

Characteristics:

- Building national capabilities and skills
- Ambitious vision
- Alignment and integration with the NIB
- Sustainability and energy efficiency
- Varied technological maturity
- Medium- to long-term impact
- Mobilization of multiple actors and disciplines
- Systemic innovation

Structuring actions

Each structuring action is described following a standard format.

Descriptive elements:

- Challenge addressed
- Definition of the action
- Specific goals and deadlines
- Estimated budget
- Funding sources

AXIS 1

AI Infrastructure and Development

Objective: Position Brazil as a world leader in Artificial Intelligence, driving projects and research that substantially improve the lives of Brazilians, with innovative and accessible solutions to the country's challenges.

R$ 5.79 billion for 13 actions divided into:

1. National AI Infrastructure Program – R$ 3.0 billion
2. Sustainability and Renewable Energy Program for AI – R$ 500 million
3. Program for Structuring the Data and Software Ecosystem for AI – R$ 1.4 billion
4. AI Research and Development Program – R$ 873 million

AXIS 1

AI Infrastructure and Development

Highlights:

› Top 5 supercomputer to drive cutting-edge research in Brazil.

› National development of high-performance AI processors in international cooperation projects.

› Sustainable AI infrastructure, based on renewable energy.

› World-class Portuguese-language models, ensuring bias reduction and data sovereignty for the country.

› National network of AI centers of excellence, fostering research in all regions of the country.

Axis 1 AI Infrastructure and Development

1.1. National AI Infrastructure Program

1. AI supercomputer

Acquisition of a specialized supercomputer – World Top 5

Challenge: Significantly expand Brazil's high-performance processing capacity

Goal: Upgrade of the Santos Dummont supercomputer at LNCC so that it ranks among the five with the highest processing capacity on the TOP500 list, within 5 years

Resources (2024-28): R$ 1.8 billion
(FNDCT-non-reimbursable, Petrobras, and FAPESP)

2. Expansion of the processing capacity of the CENAPADs

Purchase of supercomputers for the regional supercomputing centers

Challenge: Expand and improve the regional distribution of Brazil's high-performance processing capacity

Goal: Expansion of the capacity of the 5 CENAPADs, distributed across 5 regions of the country, in 2 years

Resources (2024-28): R$ 125 million
(FNDCT-non-reimbursable)

3. High-speed connection networks for supercomputing

Expanded access to supercomputers, with investments in entry-level equipment and connections

Challenge: Network Brazilian supercomputers and ensure access to them

Goal: Interconnection of all supercomputing centers with high-speed networks by 2028

Resources (2024-28): R$ 52.4 million
(FNDCT-non-reimbursable and Petrobras)

Axis 1 AI Infrastructure and Development

1.1. National AI Infrastructure Program

4. Pró-Infra IA

Support for the acquisition, installation, and modernization of AI infrastructure at Brazilian ICTs.

Challenge: Expand and modernize computing capacity for AI at ICTs, including data centers and specialized processors

Goal: Support for 25 projects in 5 years

Resources (2024-28): R$ 250 million
(FNDCT-non-reimbursable)

5. International partnerships for the development of supercomputer nodes and accelerator chips

Establishment of partnerships for the national development of supercomputer nodes and accelerator chips.

Challenge: Overcome external technological dependence on components critical to AI

Goal: Establishment of at least two partnerships within 12 months; Development of accelerators within 24 months; Development of two complete racks within 36 months

Resources (2024-28): R$ 765 million
(FNDCT-reimbursable and non-reimbursable, private sector, and international organizations)

6. International partnerships for sharing AI R&D infrastructure

Sharing of Brazilian AI infrastructure with other developing countries

Challenge: Promote access to cutting-edge infrastructure for developing countries, especially in Latin America, the Caribbean, and Africa

Goal: Significant expansion of the connection capacity of Rede Clara and Rede Scalac within 24 months; Support for 30 collaborative projects that use Brazilian AI infrastructure by 2028

Resources (2024-28): R$ 50 million
(FNDCT-non-reimbursable)

Axis 1 AI Infrastructure and Development

1.2. Sustainability and Renewable Energy Program for AI

7. Sustainable Pró-Infra IA

Support for the implementation of sustainable and efficient energy infrastructure for data centers and AI facilities (renewable sources; cooling technologies; lower-consumption equipment)

Challenge: Implement renewable energy infrastructure and sustainable use of resources to support the growth of AI in Brazil, taking advantage of the country's clean energy mix

Goal: Support for 42 projects in 5 years

Resources (2024-28): R$ 500 million (FNDCT-non-reimbursable)

Axis 1 AI Infrastructure and Development

1.3. Program for Structuring the Data and Software Ecosystem for AI

8. Development of an AI software stack

Support for the development of all software layers needed for AI applications

Challenge: Develop a national software stack for AI, aiming to optimize performance and promote technological independence

Goal: Development of a complete national software stack for AI within 12 months

Resources (2024-28): R$ 292.5 million (FNDCT non-reimbursable and private sector)

9. AI based on national data (LLM in Portuguese)

Support for the curation of national datasets and for the development of foundation models specialized in Portuguese

Challenge: Create and improve national databases for AI training, reducing external dependence and reflecting Brazil's diversity and specific characteristics

Goal: Expansion of the supply of curated national datasets for training; Construction of a robust LLM for Portuguese within 12 months

Resources (2024-28): R$ 1.1 billion (FNDCT reimbursable and non-reimbursable and private sector)

Axis 1 AI Infrastructure and Development

1.4. AI Research and Development Program

10. Funding for AI R&D activities

Launch of calls for proposals and funding initiatives for AI R&D projects, including thematic ones (education, health, environment, creative economy, among others)

Challenge: Boost multidisciplinary AI R&D in Brazil, integrating different areas of knowledge

Goal: Specific goals for each initiative (CAPES, CNPq)

Resources (2024-28): R$ 553 million (FNDCT/CNPq and CAPES)

11. INCTs - AI

Funding for AI research and development through National Institutes of Science and Technology (INCTs), integrating computing and the exact sciences with fields such as the social, human, cultural, economic, and legal sciences

Challenge: Consolidate a multidisciplinary network of excellence, capable of developing AI solutions geared toward addressing national challenges in areas such as education, the environment, the creative economy, and industry.

Goal: Establishment of 4 interdisciplinary thematic centers for advanced studies in AI by 2028

Resources (2024-28): R$ 100 million (FNDCT/CNPq)

Axis 1 AI Infrastructure and Development

1.4. AI Research and Development Program

12. National Informatics Institute focused on AI

Creation of the National Informatics Institute to foster advanced AI research

Challenge: Strengthen AI R&D in Brazil and increase the impact of STI on companies with potential for global competitiveness

Goal: Multiple goals, including the establishment of 5 research groups within 6 months; Launch of the Institute within 9 months; Start of startup support operations within 12 months

Resources (2024-28): R$ 120 million (FNDCT non-reimbursable)

13. Funding for R&D in cooperation with Latin America, the Caribbean, and Africa

Funding for international collaborative AI R&D with research institutions and universities in Latin America, the Caribbean, and Africa

Challenge: Strengthen scientific and technological cooperation in AI among countries, promoting the joint development of solutions to common challenges

Goal: Support for 100 collaborative AI projects with countries in Latin America, the Caribbean, and Africa by 2028

Resources (2024-28): R$ 100 million (FNDCT non-reimbursable)

Axis 1 AI Infrastructure and Development

Structuring actions awaiting definition of a budget source

Action	Program	Description
Center for Monitoring and Promoting Sustainable AI (CMPIAS)	1.2. Sustainability and Renewable Energy Program for AI	Establishment of a center dedicated to monitoring, evaluating, and promoting sustainable practices in the implementation and use of AI.
Data Science Center for Amazon Biodiversity	1.4. AI Research and Development Program	Creation of a research center applying AI and data science to the monitoring, conservation, and sustainable use of Amazon biodiversity and socio-bioeconomy, with the participation of traditional communities and local peoples
Creation of new AI research centers	1.4. AI Research and Development Program	Funding for new regional centers of excellence in AI R&D

AXIS 2

AI Dissemination, Education, and Training

Objective: Awaken, educate, train, and requalify AI talent at all levels, in order to meet the urgent need for qualified professionals and foster critical understanding of the technology in our society.

R$ 1.15 billion for 8 actions divided into:

1. AI Dissemination and Outreach Program – R$ 100.0 million
2. AI Education Program – 548.5 million
3. AI Training, Qualification, and Requalification Program – R$ 500.0 million

AXIS 2

AI Dissemination, Education, and Training

Highlights:

› AI training at all levels, developing talent and meeting the demand for qualified professionals.

› Qualification of workers in AI, with the possibility of internships at companies.

› Public-private partnerships for AI education projects, including Sistema S.

› Informational campaigns to promote awareness of the critical use of AI and the defense of information integrity.

Axis 2 AI Dissemination, Education, and Training

2.1. AI Dissemination and Outreach Program

14. AI dissemination, outreach, and digital literacy

Comprehensive action on digital literacy and outreach in AI, aimed at popularizing technological fundamentals, transparency, everyday applications, risks, and citizens' rights. It includes the Brazilian AI Olympiad, involving partnerships with universities and technology companies for workshops and mentoring, and informational and educational campaigns on AI for citizens

Challenge: Increase the Brazilian population's knowledge of, engagement with, and social inclusion in relation to AI

Goal: Creation of an AI Olympiad within 12 months (held annually), with the participation of public schools from all regions of the country; Raise the percentage of the Brazilian population who say they have a good understanding of AI to 85% (Ipsos/AI Index Report opinion survey) within two years

Resources (2024-28): R$ 100 million (CNPq/FNDCT non-reimbursable)

Axis 2 AI Dissemination, Education, and Training

2.2. AI Education Program

15. Interdisciplinary Laboratories for Educator Training (LIFE)

Creation and expansion of LIFEs for teacher training in digital literacy and the pedagogical use of AI
Challenge: Promote the training of teachers for the pedagogical use of AI

Goal: Creation of 27 new LIFEs and expansion of 20 existing LIFEs

Resources (2024-28): R$ 19 million (Budget resources)

16. AI in undergraduate education

Creation of undergraduate programs in AI and related fields; Encouragement of elective courses in programming, data science, and AI; Offer of AI-focused slots in FIES

Challenge: Expand education in AI and related subjects across all undergraduate programs

Goal: Creation of at least 5,000 slots in AI programs within 3 years; Automatic availability of 100% of the slots in data science and AI programs in FIES

Resources (2024-28): R$ 183.24 million (Budget resources)

Axis 2 AI Dissemination, Education, and Training

2.2. AI Education Program

17. AI scholarships for undergraduate and graduate studies

Scholarships for undergraduate research, master's, and doctoral studies in AI, with competitive amounts for the education, attraction, and retention of talent

Challenge: Increase the supply of highly qualified AI professionals in Brazil and narrow the gap between academia and industry

Goal: Specific goals for each initiative (CAPES, CNPq)

Resources (2024-28): R$ 194.2 million (CNPq and CAPES)

18. AI doctoral scholarships abroad

Doctoral scholarships abroad in the field of artificial intelligence to expand international partnerships in AI research

Challenge: Expand international partnerships in AI research

Goal: Specific goals for each initiative (CAPES, CNPq)

Resources (2024-28): R$ 152 million (CNPq and CAPES)

Axis 2 AI Dissemination, Education, and Training

2.3. AI Training, Qualification, and Requalification Program

19. Professional qualification in AI

National platform of online AI qualification courses, as well as in-person qualification courses through internships at companies

Challenge: Increase the supply of qualified professionals in specific areas of AI

Goal: Qualification of 20 thousand professionals in the 1st year, 30 thousand in the 2nd year, and 50 in the 3rd year; Implementation of 500 AI pilot projects at industrial companies within 3 years

Resources (2024-28): R$ 150 million
(FNDCT non-reimbursable, Sistema S, and private matching funds)

20. AI for education and work

Multi-institutional initiative for AI education and training, with intensive use of experimental environments

Challenge: Increase the supply of qualified AI professionals in Brazil

Goal: Training or requalification of 5 thousand AI professionals in the 1st year, 10 thousand in the 2nd year, and 15 thousand in the 3rd year from all regions of the country; Establishment of 20 institutional partnerships within 3 years

Resources (2024-28): R$ 100 million
(private sector)

21. ICT-AI residency program

Technological education and training in AI, in partnership with the private sector (internships at companies)

Challenge: Increase the supply of ICT professionals with a focus on AI

Goal: Education and training of 20 thousand professionals per year through 2028, of whom 5 thousand in AI development and 15 thousand in the use of AI tools; Training of 50 AI chip designers and 100 AI infrastructure technicians by 2028

Resources (2024-28): R$ 250 million
(private sector/ICT Law)

Axis 2 AI Dissemination, Education, and Training

Structuring actions awaiting definition of a budget source

Action	Program	Description
Social participation platform on AI	2.1. AI Dissemination and Outreach Program	Digital platform to facilitate public participation in discussions, consultations, and decisions related to AI in Brazil
AI in Technical-Vocational Education	2.2. AI Education Program	Vocational and technical education in AI, in partnership with federal institutes, technical schools, public high schools, and technology companies
Professional requalification in AI	2.3. AI Training, Qualification, and Requalification Program	In-person and online courses to requalify professionals, especially those affected by automation, to work in AI-related roles
Integrated extension action for AI training	2.3. AI Training, Qualification, and Requalification Program	AI training through the RFEPCT, aimed at specific audiences (women, public servants, and vulnerable populations)

AXIS 3

AI for Improving Public Services

Objective: Make Brazil a global model of efficiency and innovation in the use of AI in the public sector, developing solutions that significantly improve the delivery of services and people's satisfaction with them, with an impact on development and social inclusion.

R$ 1.76 billion for 19 actions divided into:

1. Federal Government AI Hub – R$ 59.0 million
2. National Data Infrastructure – R$ 1.4 billion
3. AI Solutions for Public Services Program – R$ 259.0 million

AXIS 3

AI for Improving Public Services

Highlights:

› Creation of a robust ecosystem of public data in a sovereign cloud, to ensure national technological autonomy, the integrity and security of information, and citizens' privacy.

› Development of AI solutions to increase the efficiency and effectiveness of public services.

› Training of federal public servants to harness the potential of AI in optimizing processes and making data-driven decisions.

Axis 3 AI for Improving Public Services

3.1. Government AI Hub

22. Government artificial intelligence platform

Government AI platform with an approach based on the context and business strategy of the federal public administration

Challenge: Develop, train, and run AI models for the government

Goal: Availability of the platform for the development and large-scale operation of AI projects and models for the government by 2026

Resources (2024-28): R$ 25 million
(MGI)

23. Scouting and structuring of AI projects

Establishment of a methodology for scouting and structuring strategic projects related to artificial intelligence within the government

Challenge: Identify and structure strategic AI projects in the government

Goal: Establishment and application of the methodology in 10 priority government areas and structuring of 25 high-impact projects by 2026

Resources (2024-28): R$ 7.5 million
(MGI)

24. Experimentation with AI projects in government

Development of AI pilot projects in the federal government to assess feasibility, risks, and benefits before large-scale implementation

Challenge: Assess the feasibility and impact of AI projects before large-scale application

Goal: Completion of 25 AI experimentation projects under the AI Hub by 2026

Resources (2024-28): R$ 15 million
(MGI)

Axis 3 AI for Improving Public Services

3.1. Government AI Hub

25. Monitoring of AI development and use

System for collecting and analyzing data on AI projects in the federal government to obtain an integrated view of their adoption and development

Challenge: Obtain an integrated view of progress in AI adoption in the Federal Government

Goal: Conduct an annual survey on AI adoption in federal government bodies and entities

Resources (2024-28): R$ 4 million (MGI)

26. AI training for public servants

Training of federal public servants in AI to support the development and adoption of the technology in government

Challenge: Train federal public servants to respond to the challenges of digital transformation and AI

Goal: Training of 115,000 federal public servants by 2026 (20% of the total)

Resources (2024-28): R$ 7.5 million (MGI)

Axis 3 AI for Improving Public Services

3.2. National Data Infrastructure

27. Sovereign cloud

Private or community cloud infrastructure managed exclusively by public bodies or public companies

Challenge: Protect sensitive data, ensuring its privacy, availability, and proper management

Goal: Migration of data classified by confidentiality level to the government cloud environment by 2027

Resources (2024-28): R$ 1 billion
(SERPRO and DATAPREV)

28. Data cataloging, governance, and usage strategy

Establishment of a data governance policy, increased maturity in data use, and cataloging of datasets within the Federal Government

Challenge: Treat public data as strategic assets to help solve major societal challenges

Goal: Establishment of a data governance policy in federal bodies and entities; Raising maturity from 2 to 3 by 2026; Cataloging of 2,000 federal government datasets by 2027

Resources (2024-28): R$ 6 million
(MGI)

29. Strategic data integration and reuse

Implement interoperability among government bodies and entities to promote the efficient reuse and sharing of data

Challenge: Promote data sharing to avoid duplication of effort by citizens, in compliance with the LGPD

Goal: Savings of R$ 6 billion through the Conecta Gov.br Program by reducing document requirements for citizens by 2026

Resources (2024-28): R$ 107 million
(MGI)

Axis 3 AI for Improving Public Services

3.2. National Data Infrastructure

30. Personalization of public services

Personalization of public services, to offer citizens contextual, targeted, and proactive content

Challenge: Expand the supply of content from the various federal public bodies and entities to citizens in a personalized and proactive manner

Goal: Personalization of digital communication in 50 digital public services by 2026

Resources (2024-28): R$ 26 million
(MGI)

31. Privacy and information security in the public sector

Set of comprehensive privacy and information security measures in federal bodies

Challenge: Ensure the privacy and security of citizens' information in the delivery of public services

Goal: Increase in the average value of the privacy and information security maturity index by two tenths by 2027

Resources (2024-28): R$ 41 million
(MGI)

32. Infrastructure for the use and application of AI in education

Construction of a unified educational data repository

Challenge: Facilitate the application of AI in education through the organization, integration, and cross-referencing of educational data, and promote access to data in anonymized form for researchers and accredited members of the public (compliance with the LGPD)

Goal: Establishment of initial infrastructure based on the organization, integration, and operationalization of the MEC's educational databases by 2026

Resources (2024-28): R$ 258 million
(MEC)

Axis 3 AI for Improving Public Services

3.3. AI solutions program for public services

33. AI solutions for government

Launch of periodic calls to develop AI solutions that address public sector challenges and foster govtech startups

Challenge: Improve the quality and efficiency of public services by using AI to analyze the large volume of available government data

Goal: Launch of two calls per year; Implementation of structuring AI projects in 10 bodies/year

Resources (2024-28): R$ 100 million
(non-reimbursable FNDCT)

34. AI development for cybersecurity in government

Development of AI systems to improve cybersecurity incident detection and response in government

Challenge: Increase the capacity to respond to cyberattacks through the use of AI tools

Goal: Training of 100% of the teams of SISP sectoral bodies by 2026; Deployment of threat detection and response modules in 100% of SISP sectoral bodies by 2027

Resources (2024-28): R$ 72 million
(MGI and GSI)

35. AI development to improve public procurement

Development of AI tools to optimize public procurement processes
Challenge: Identify patterns in public procurement with a focus on process speed, cost reduction, correction of errors and fraud, and increased transparency and effectiveness

Goal: Incorporation of the use of AI tools into public procurement routines.

Resources (2024-28): R$ 30 million
(MGI)

Axis 3 AI for Improving Public Services

3.3. AI solutions program for public services

36. AI for education resource management

Use of AI to simplify and automate the management and accountability processes for financial resources transferred by FNDE and the Direct Money in School Program

Challenge: Modernize and optimize management, monitoring, and accountability through AI

Goal: Development and implementation of a process management solution within 24 months

Resources (2024-28): R$ 16 million
(MEC/FNDE)

37. Use of AI to improve people management processes

Development and use of AI in projects related to people management in the public service

Challenge: Increase the operational and management efficiency of human resources

Goal: Implementation of 7 high-impact AI projects related to people management in the public service by 2028

Resources (2024-28): R$ 13 million
(MGI)

38. Use of AI to improve Federal Government Property management processes

AI for Federal Government Property management

Challenge: Improve the management and monitoring of federal government properties, such as valuation, identification, and incorporation of new properties, and support inspection operations on federal government properties

Goal: Implementation of 9 high-impact AI projects related to Federal Government Property management by 2028

Resources (2024-28): R$ 10 million
(MGI)

Axis 3 AI for Improving Public Services

3.3. AI solutions program for public services

39. Support for the development of AI projects in state-owned enterprises

Prospecting and support for structuring strategic projects related to artificial intelligence in state-owned enterprises

Challenge: Identify opportunities for developing AI projects in state-owned enterprises aligned with the achievement of public policy objectives

Goal: Identification of AI projects under way in state-owned enterprises and of opportunities to stimulate the ecosystem and the development of AI solutions in the country.

Resources (2024-28): R$ 4 million (MGI)

40. SIPEC – Intelligent System for Forecasting Climate Extremes

Development of an artificial intelligence-based system to forecast extreme weather events with a high degree of reliability (free of biases, to remove systematic forecasting errors) and specific to Brazilian characteristics, improving the coupled ocean-atmosphere model BESM-INPE

Challenge: Forecast and prevent extreme weather events and reduce the damage they cause to society

Goal: Development and deployment, within one year, of an artificial intelligence system capable of forecasting extreme weather events up to 12 months in advance

Resources (2024-28): R$ 15 million (non-renewable FNDCT)

AXIS 4

AI for Business Innovation

Objective: Build a robust AI value chain in Brazil, in direct support of the missions of New Industry Brazil (NIB), positioning the country as a global hub for AI development and use.

R$ 13.79 billion for 9 actions divided into:

1. Program to foster the AI value chain – R$ 4.40 billion
2. AI program for Brazilian industry challenges – R$ 9.39 billion

AXIS 4

AI for Business Innovation

Highlights:

› Development of AI solutions for the challenges of Brazilian industry (including commerce and services) and to increase productivity.

› Structuring and strengthening of the AI production chain in Brazil.

› Establishment of high-capacity “green” data centers, powered by renewable energy and optimized for sustainable use of water resources.

› Creation of AI support centers in industry, providing technical resources and specialized consulting.

› Promotion and acceleration of AI-specialized startups.

› Recruitment and retention of AI talent in Brazilian companies.

Axis 4 AI for Business Innovation

4.1. Program to foster the AI value chain

41. Development of national data centers

Support for the creation of data centers powered by renewable energy sources, prioritizing the North and Northeast regions

Challenge: Develop and strengthen the supplier chain for AI data centers in Brazil

Goal: Specific goals per initiative (BNDES and FINEP)

Resources (2024-28): R$ 2.3 billion
(BNDES and reimbursable FNDCT)

42. Systemic support for the AI value chain

Support for the AI value chain, integrating and expanding EMBRAPII's actions related to AI projects

Challenge: Strengthen national production capacity in the AI chain

Goal: 20% annual increase in the number of AI RD&I projects; Structuring of the Embrapii AI Competence Network with 25 units and Competence Centers by 2026; Increase from 15 to 35 in the number of Embrapii Units accredited for AI projects by 2026; Contracting of 5 structuring AI projects by 2026

Resources (2024-28): R$ 667 million
(non-reimbursable FNDCT and private sector)

43. Support for AI startups

Creation of an investment fund to support AI startups, including resources from the More Production Plan

Challenge: Increase the number, revenue, and global presence of Brazilian AI startups

Goal: Specific goals per initiative (BNDES and FINEP)

Resources (2024-28): R$ 400 million
(BNDES, non-reimbursable FNDCT, and private sector)

Axis 4 AI for Business Innovation

4.1. Program to foster the AI value chain

44. AI for micro and small businesses (MPEs) and individual microentrepreneurs (MEIs)

Stimulus and expansion of AI adoption across different segments of small businesses

Challenge: Increase the productivity and competitiveness of MPEs and MEIs

Goal: AI acceleration programs in MPEs in intensive sectors; Execution of digital inclusion pilot projects in 3 states; Development and application of studies to improve support for MEIs within 12 months

Resources (2024-28): R$ 305 million
(SEBRAE)

45. Human Resources in Strategic Areas (RHAE) - AI

Placement of master's and doctoral specialists in AI in private companies, preferably micro, small, and medium-sized ones

Challenge: Expand the placement of master's and doctoral graduates in private companies, preferably MSMEs, for greater interaction between universities and companies

Goal: Award of 1,200 scholarships to researchers by 2026, focused on developing AI solutions in MSMEs

Resources (2024-28): R$ 100 million
(CNPq)

46. Talent retention for AI innovation

Salary supplement scholarships for retaining AI talent

Challenge: Promote the retention of the highly skilled AI workforce in Brazil, preventing a drain to competing markets

Goal: Support for 1,000 AI-qualified professionals in business RD&I projects by 2026, with retention in the country of those trained in AI

Resources (2024-28): R$ 600 million
(non-reimbursable FNDCT and private sector)

Axis 4 AI for Business Innovation

4.2. AI program for Brazilian industry challenges

47. National AI Center for Industry (CNIA4I)

Creation of a center for developing AI-based technologies for industry

Challenge: Foster a technology ecosystem suited to developing AI models for industrial applications

Goal: Formation of networks of institutions within 12 months; Modeling and start of the training program within 12 months; Inauguration of CNIA4I within 18 months

Resources (2024-26): R$ 260 million
(non-reimbursable FNDCT and private sector)

AI for the Good of All Plan

48. AI solutions for NIB missions

Allocation of resources from the More Production Plan and the More Innovation Program to AI projects applied to industry, focusing on the application chains defined in the missions of New Industry Brazil and on supporting Brazilian companies that supply expert systems

Challenge: Adopt AI solutions aligned with the specific needs of the missions of New Industry Brazil (NIB)

Goal: Financing of at least 500 AI projects applied to industry by 2028

Resources (2024-28): R$ 9.1 billion
(reimbursable FNDCT and BNDES)

49. AI to increase the productivity of industrial MSMEs

Implementation of Artificial Intelligence (AI) tools in the More Productive Brazil (B+P) program, covering three main strands: creation of an industrial data space, optimization of the enrollment process, and deployment of an AI library

Challenge: Increase the productivity of industrial MSMEs

Goal: Structuring of the database and gathering of data space requirements within 6 months; Deployment of public digital infrastructure and training of institutions within 1 year

Resources (2024-28): R$ 28 million
(non-reimbursable FNDCT)

Axis 4 AI for Business Innovation

Structuring actions awaiting definition of budget source

Action	Program	Description
National AI Center applied to agriculture and livestock	4.2. AI program for Brazilian industry challenges	Creation of an AI Center for Agriculture and Livestock, incorporating Embrapa's expertise in agri-intelligence

AXIS 5

Support for the AI Regulatory and Governance Process

Objective: Contribute to the consolidation of an AI governance framework in Brazil that promotes innovation, ensures the right to development, protects human rights, information integrity, copyright and related rights, work and workers, and positions Brazil as a reference in responsible and trustworthy AI.

R$ 103.25 million for 5 actions divided into:

1. Program to improve the AI regulatory framework – R$ 40.5 million
2. AI governance support program – R$ 62.8 million

AXIS 5

Support for the AI Regulatory and Governance Process

Highlights:

› Brazilian Artificial Intelligence Observatory (OBIA).

› National Center for Algorithmic Transparency and Trustworthy AI.

› Guides for Ethical and Responsible AI.

› Network of experts to support and strengthen Brazil's participation in international AI debates and forums.

Axis 5 Support for the AI Regulatory and Governance Process

5.1. Program to support improvement of the AI regulatory framework

50. Brazilian guides for responsible AI

Series of guides on AI in Brazil to promote responsible use adapted to the national reality

Challenge: Need to promote public trust in AI and adapt global standards to the Brazilian reality.

Goal: Drafting and publication of the Guide for Ethical and Responsible AI within 3 months; Launch of the AI Guide for the Public Sector within 6 months; Holding of periodic workshops and events to disseminate the guides

Resources (2024-28): R$ 500 thousand (MJSP)

51. National Center for Algorithmic Transparency and Trustworthy AI

Creation of a national center to develop research and studies on AI risks, safety, transparency, and trustworthiness

Challenge: Reduction of the risks associated with the use and development of AI, so as to ensure transparency, information integrity, and trustworthiness in AI systems

Goal: Establishment of the Center within 120 days; Publication of a study on AI risks and algorithmic transparency practices within 6 months after the Center is created

Resources (2024-28): R$ 40 million (non-reimbursable FNDCT)

Axis 5 Support for the AI Regulatory and Governance Process

5.2. AI governance support program

52. Brazilian AI Observatory (OBIA)

Consolidation of the Brazilian Artificial Intelligence Observatory (OBIA) as the main AI intelligence platform in Brazil

Challenge: Develop and consolidate indicators and databases to monitor the use and development of AI in Brazil

Goal: Launch of OBIA within 30 days; Continuous development of indicators across the main dimensions of AI

Resources (2024-28): R$ 11.75 million
(non-reimbursable FNDCT and CGI.br)

53. Network to support AI governance in Brazil

Structuring of a research network to support AI governance processes in Brazil

Challenge: Reduce dependence on external actors for critical capabilities in data and AI governance, including in specific sectors

Goal: Structuring of the network within 12 months

Resources (2024-28): R$ 26 million
(non-reimbursable FNDCT and MEC)

54. Network to support Brazil's participation in the international debate

Structuring of a network of researchers and technical experts to expand and strengthen Brazil's participation in international debates and forums on AI

Challenge: Expand and strengthen Brazil's participation in discussions, initiatives, plans, regulations, and/or resolutions of global scope on AI

Goal: Structuring of the network within 12 months

Resources (2024-28): R$ 25 million
(non-reimbursable FNDCT)

Governance and monitoring of the AI for the Good of All Plan

Proposed management and monitoring structure for the AI Plan

Superior Council

Responsible for formulating guidelines and proposals for structuring actions, and for harmonizing initiatives for the development of Artificial Intelligence in Brazil.

› Office of the President of the Republic

› Ministries and representatives of the business sector, academia, and civil society.

Executive Committee

Support the Superior Council, oversee the thematic chambers, and be responsible for managing the PBIA.

› Ministries with actions and representatives of the business sector, academia, and civil society.

Thematic Chambers

Monitor the execution of PBIA actions and present solutions to the demands of the Superior Council, which defines the coordinators and the institutions (private and public) participating in the Thematic Chambers (TCs).

› AI Infrastructure and Development

› AI Dissemination, Education, and Training

› AI for Improving Public Services

› AI for Business Innovation

› Support for the AI Regulatory and Governance Process

Proposed management and monitoring of the AI Plan

Principles:

› Multisectorality and multidisciplinarity: government, academia, civil society, and the private sector

› Transparency: public disclosure of acts and decisions.

› Ethics and responsibility – AI for the Good of All: focus on trustworthy, sustainable, and human-centered AI.

Monitoring and review:

› Periodic reviews of the plan, with continuous assessment of the feasibility of the actions and updating of the list of actions

› Progress and impact reports published regularly

Final considerations

AI for the Good of All Plan

Artificial intelligence represents a unique opportunity to drive Brazil's technological, economic, and social development.

› The AI for the Good of All Plan (PBIA) seeks to build national capabilities and skills to transform the lives of Brazilians through sustainable and inclusive AI innovations, oriented toward solving major national challenges.

› Five (5) structuring axes, with 54 concrete actions, focusing on developing national capabilities in key areas: infrastructure, training, public service, business innovation, and support for AI regulation and governance.

The success of the AI for the Good of All Plan depends on engagement and collaboration among government, academia, the private sector, and civil society.

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