MINISTRY OF
SCIENCE, TECHNOLOGY
AND INNOVATION

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AI for Good and for All

Brazilian Artificial Intelligence Plan
2024-2028

The AI for Good and for All Plan aims to:

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

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

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

Train, qualify, and requalify people in AI on a large 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 international collaboration.

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

Opportunities:

- Young population agile at technologies adoption
- Diversity of national databases
- Clean energy matrix
- Robust research and development capacity
- Multiple initiatives for AI tool application and development by companies of various sizes

Challenges:

- Increase investments in infrastructure, R&D, and innovation
- Ensure data interoperability and robustness
- Strengthen talent development and retention
- Support the regulatory and governance process to ensure rights and promote innovation

The Brazilian Artificial Intelligence Plan Premises

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. **Creation of national capacities and skills**
3. **Technological and data sovereignty**
4. **Strategic alignment with government policies, notably the New Industry Brazil (NIB)**
5. **Environmental sustainability (Ecological Transition)**
6. **Valuing diversity**
7. **International cooperation**
8. **Ethical and responsible AI use**
9. **Participatory governance**
10. **Flexibility and adaptability**

Pillars

Pillar 1: Infrastructure and AI Development

Pillar 2: AI Dissemination, Education, and Training

Pillar 3: AI for Public Service Improvement

Pillar 4: AI for Business Innovation

Pillar 5: Support for the AI Regulatory and Governance Process

Investments – 5 years

Description	2024–28
Immediate Impact Actions	R$ 435.04 million
Infrastructure and AI Development	R$ 5.79 billion
AI Dissemination, Education, and Training	R$ 1.15 billion
AI for Public Service Improvement	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

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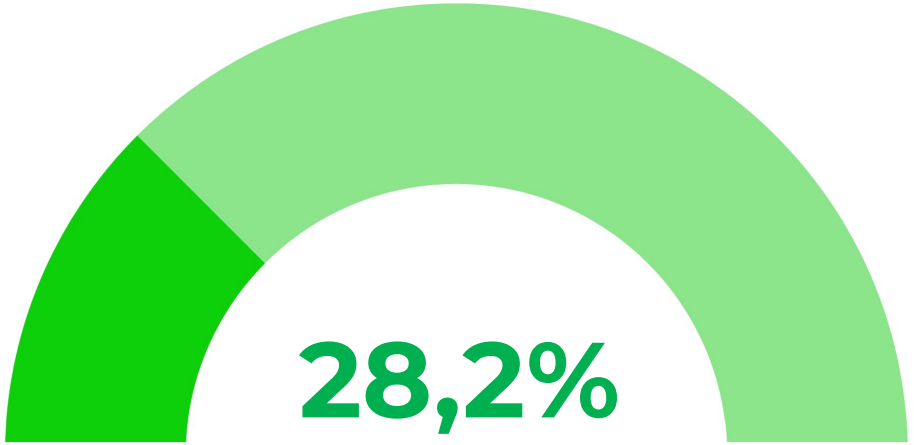
Structuring Actions

PBIA

TOTAL PBIA

R$ 23,03 bi
allocated resources

R$ 6,6 bi
used resources



Immediate Impact Actions

31 initiatives underway or in the very short term to address specific problems in priority areas for the population: health, agriculture, environment, industry, commerce and services, education, social development, and public service management

Characteristics:

- Focus on specific problems
- Predominance of developed technologies and existing databases
- Quick, measurable, and significant results
- Clear impacts
- Potential for expansion, replication, and sustainability
- Engagement and direct benefit of the target population

Structuring Actions

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

Characteristics:

- Generation of national capacities and training
- Ambitious vision
- Alignment and integration with New Industry Brazil (NIB)
- Sustainability and energy efficiency
- Varied technological maturity
- Medium to long-term impact
- Mobilization of multiple actors and disciplines
- Systemic innovation

PILAR 1

Infrastructure and AI Development

Highlights:

- A Top-5 supercomputer to boost cutting-edge research in Brazil.
- National development of high-performance IA processors in international cooperation projects.
- Sustainable IA infrastructure based on renewable energy.
- World-class Portuguese language models, ensuring reduced biases and data sovereignty for the country.
- National network of IA centers of excellence, fostering research across all regions of the country.

Pillar 1 – Ongoing Results

Action	Main delivery
AI Supercomputer	LNCC: new equipment to expand Santos Dumont´s capacity Public call for a new Supercomputer
AI Infrastruture	Support for 4 AI Thematic Centers. Launch of a call for 57 thematic projects.
Promoting R&D activities in AI	808 supported projects, 10 Centers for AI Applied Research
Science and Technology National Institutes in AI	Support for 7 AI Institutes: RS (1), SP (1), MG(1), PA (1) and PE (3).
Expansion of CENAPAD´s processing capacity	Restructuring of National High-Performance Computing System
HPC and chips International partnerships	Contracting a consortium for Reference Design of HPC node hardware.
Susteinable AI	Public call for susteinable AI infrastructure program
Software Stack development for AI	Discussions for building a Strategic Alliance for HPC/AI
AI based on national data (LLM)	Orders for National AI models

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Pillar 1 – Next Steps

Action	Current Status / Next Step
National Institute of Informatics	Commission for the creation of NIT with a focus on AI

PILLAR 2

AI Dissemination, Education, and Training

Highlights:

- AI training at All Levels, Developing Talents and Meeting the Demand for Skilled Professionals.
- Qualification of Workers in AI, with opportunities for internships in companies.
- Public-Private Partnerships for AI training projects, including the S System.
- Informational Campaigns to promote awareness about the critical use of AI and advocacy for information integrity.

Pillar 2 – Ongoing Results

Action	Main Delivery
Dissemination, outreach, and literacy in AI.	1st National AI Olympi: 716 Thousand enrolled students
AI in undergrate studies	New courses authorized with a total of 73,275 places nationwide.
AI Scholarships for Undergraduate and Graduate Studies	Launch of new calls for AI scholarships for undergraduate and graduate students.
PhD Scholarships in AI Abroad	Launch of new calls for doctoral scholarships in AI abroad.
Professional qualification in AI	Practical AI course with 40,000 enrolled students in partnership with the private sector.

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Pillar 2 – Next Steps

Action	Currente Status / Next Steps
AI for Education and Work	Launch of an AI training and retraining course portal, with 2,000 students trained.
Residency in ICTs-AI	Public call for AI training programs, aiming to train up to 60,000 developers and users by 2028.

AI for Public Services Improvement

PILLAR 3

Highlights:

- Create a robust public data ecosystem 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 leverage AI for optimizing processes and data-driven decision-making.

Pillar 3 – Ongoing Results

Action	Main Delivery
AI Brazil´s Project	7 main deliveries: Data cataloging and interoperability, low-code platform with Generative AI, Government AI Core (NIA), cybersecurity technologies, qualification of registration data, personalized communication and dissemination of information.
Monitoring the development and use of AI.	A self-assessment of AI adoption in public institutions was conducted for the year 2024.
Training for public servants	4 AI training tracks completed (12,000 trained employees) and 1 Generative AI Guidebook launched.
Personalization of public services	GOV.BR mailbox launched and citizen relations platform contracted.

AI for Business Innovation

PILLAR 4

Highlights:

- Development of AI solutions for challenges faced by the Brazilian industry (including commerce and services) and for increasing productivity.
- Structuring and Strengthening the AI production chain in Brazil.
- Establishment of “Green” High-Capacity 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.
- Incorporation and Retention of AI talent within Brazilian companies.

Pillar 4 – Ongoing Results

Action	Main Delivery
National datacenters development	BNDES has approved financing for data center projects.
Support for the AI value chain	Embrapii expanded its AI units to 23. Projects involving AI grew by 112.8%.
Human Resources in Strategic Areas (RHAE)	Call for proposals to provide grants for researchers to work in companies.
AI Solutions for the Brazilian New Industry (NIB)	Calls for proposals have already supported 596 business innovation projects.

Pillar 4 – Next Steps

Action	Current Status / Next Steps
Support for AI startups	SEBRAE: Development of a work plan and technical cooperation agreement with CEIA-UFG: Call for proposals to select 30 startups for an incubation program (innovative solutions for small businesses).
National Center for AI for Industry (CNIA4I)	Creation of a National AI Center for Industry
Talent retention for AI innovation	Launch of the call for talent retention for innovation in AI.

PILLAR 5

Support for the AI Regulatory and Governance Process

Highlights:

- Brazilian Observatory for Artificial Intelligence (OBIA).
- National Center for Algorithmic Transparency and Trustworthy AI.
- Guides for Ethical and Responsible AI.
- Network of Experts to Support and Qualify Brazil's Participation in Relevant International AI Debates and Forums.

Pillar 5 – Ongoing results

Action	Main Delivery
Brazilian Guides to Responsible AI	The Generative AI Guide for the public service was developed.The Ministry of Education launched the Framework for the Responsible Use of AI in Education.
Brazilian Observatory of AI (OBIA)	OBIA was launched in September 2024.

Pillar 5 – Next Steps

Ação	Status Atual / Próximos Passos
National Center for Algorithmic Transparency and Trusted AI	To be created in 2026.

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