



RIIP

Educação, Pesquisa
e Inovação em Rede

RNP AI Initiatives

Lara Machado

R&D and Innovation Executive Director

RNP - Brazil's National Research and Education Network

lara.machado@rnp.br

TNC SIG-AI / 09 – June – 2025



MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO



PBIA – Brazilian Artificial Intelligent Plan AI for Good and for All

Proposal 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.

Pillars

Pillar 1: AI Infrastructure and Development

Pillar 2: Diffusion, Training, and Qualification

Pillar 3: AI for Improving Public Services

Pillar 4: AI for Business Innovation

Pillar 5: Support for the Regulatory

Investments – 5 years – R\$ 23 billion ~ \$ 4 billion



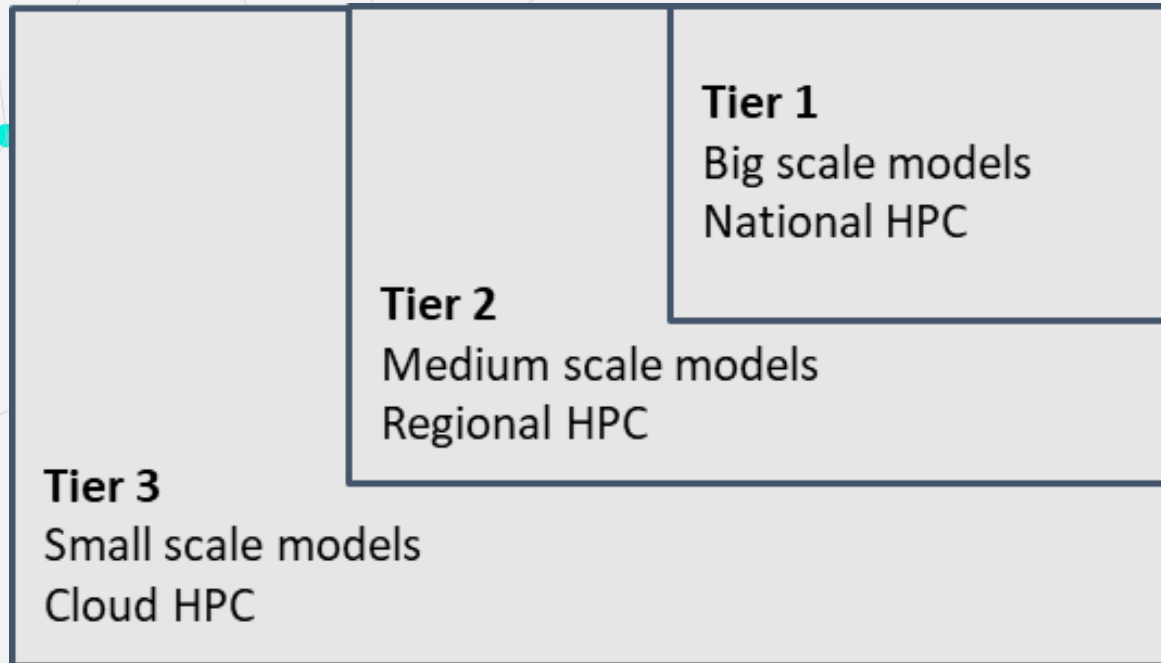
PILLAR 1

Infrastructure and Development of AI

Highlights:

- › 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.

— RNP strategy



Small-Scale Models

- less than hundreds of billions of parameters

Limited-Size Datasets

- less than tens of TBs

Limited Processing Time

- a few days

Agility in meeting researchers' demands

- a few days

— What we are doing at RNP

- **Deploying high-performance processing infrastructure combined with storage**
- **Offer nationally GPU-based processing capabilities to boost**
 - AI research;
 - research using AI;
 - human resources training.
- **Define a governance process to promote the efficient use of shared resources**
 - define usage policies and guidelines;
 - provide a safe environment;
 - comply with regulations.



Obrigado / Thank You!

Iara Machado

iara.machado@rnp.br

RNP

MINISTÉRIO DA
CULTURA

MINISTÉRIO DA
DEFESA

MINISTÉRIO DA
SAÚDE

MINISTÉRIO DAS
COMUNICAÇÕES

MINISTÉRIO DA
EDUCAÇÃO

MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

GOVERNO FEDERAL
BRASIL
UNIÃO E RECONSTRUÇÃO