



25th INPRO DIALOGUE FORUM ON NUCLEAR ENERGY DEVELOPMENT IN EMBARKING COUNTRIES

**BRAZILIAN PUBLIC POLICIES RELATED TO THE EXPANSION
OF NUCLEAR SOURCES IN THE NATIONAL ENERGY MIX**

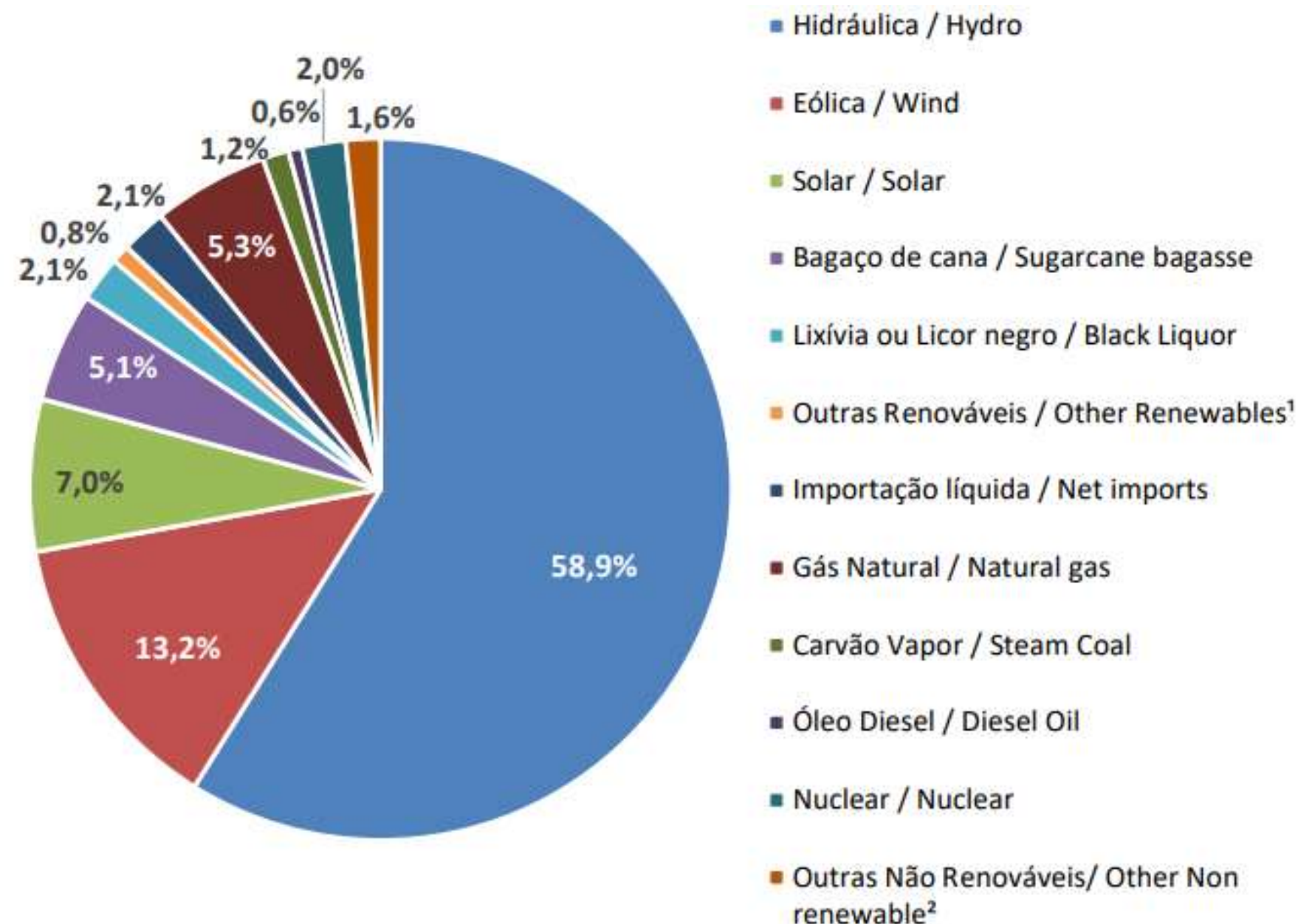
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Brazil Energy Context

***Brazil** has one of the world's cleanest energy matrices, with **89% from renewable sources in 2023**.*

*However, to ensure stable and secure supply within its interconnected grid, **nuclear** energy is seen as a strategic, low-carbon baseload complement.*



Notas / Notes:

1. Inclui Lenha, Biodiesel e Outras renováveis / Includes Firewood, Biodiesel and Other Renewables

2. Inclui Óleo Combustível, Gás de Coqueria, Outras Secundárias e Outras Não-Renováveis / Includes Fuel Oil, Coke Oven Gas, Other Secondaries and Other Non-Renewables

The Political Interfaces

National Energy Transition Plan (Plante)

National Energy
Plan (PNE 2055)

BRAZILIAN NUCLEAR POLICY

National Critical Infrastructure Security Policy

Ten-Year Energy Expansion Plan
(PDE 2035)

New Industry Brazil - NIB

Brazilian Nuclear Policy
Decree No. 9,600 /2018

"Art. 3. The **principles** of Brazilian Nuclear Policy are:

V - the use of nuclear technology as a tool for national development and the well-being of society.

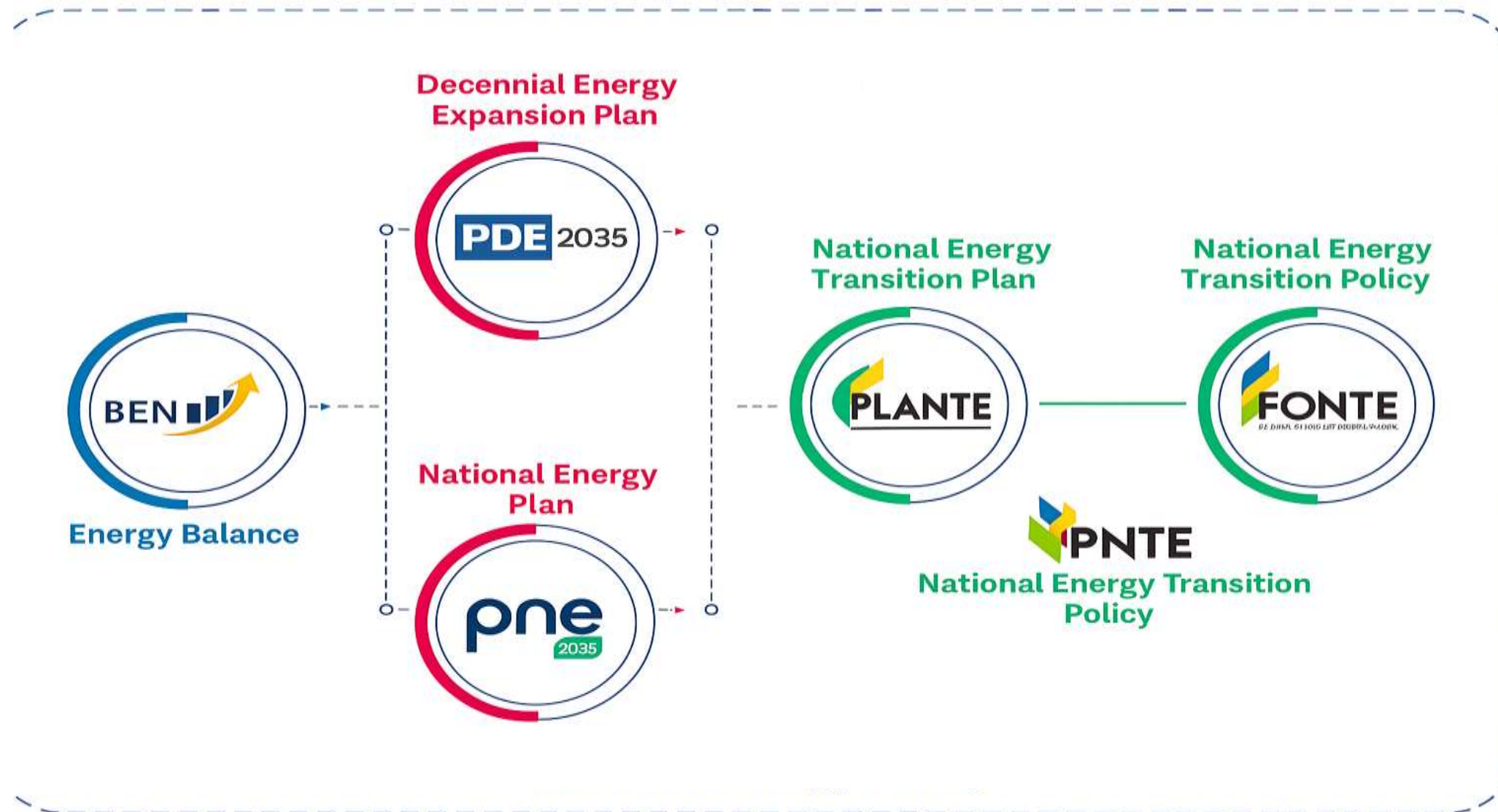
Art. 4. The **guidelines** of Brazilian Nuclear Policy are:

IV - encouraging the economic sustainability of projects in the nuclear sector.

Art. 5. The **objectives** of Brazilian Nuclear Policy are:

II - meeting future decisions of the energy sector regarding the supply of clean and reliable energy through nuclear power generation."

Energy planning instruments



*The **PNE 2055** outlines long-term energy scenarios to guide strategies in formulating policies for building a **decarbonized energy system** that is a driver of sustainable development.*

Technical basis for the construction of energy planning instruments



Ensure that electrical demand is met,

with maintenance or a percentage increase in clean solutions



Meet increased demand by maintaining or increasing the renewable energy matrix by a percentage.

- Expand the supply of centralized renewable generation, considering the effective need for new capacity.
- Expand the supply of renewable generation in Isolated Systems.



Encourage the expansion, modernization, and repowering of hydroelectric plant

- Improve reservoir operations to address extreme events and system needs
- Plan new reservoirs with multiple benefits
- Strengthen governance for integrated management of reservoirs in the electricity sector



Expand **nuclear power generation, considering its importance, benefits, and risks**

- ✓ Secure **technical support** and inputs for nuclear generation.
- ✓ Ensure the operational continuity of the Angra 1 and 2 NPP.
- ✓ Facilitate the entry into operation of the **Angra 3** NPP.
- ✓ Improve **governance** related to nuclear generation.

Energy Transition Acceleration Program



LAW Nº. 15,103/2025



Presidência da República
Casa Civil
Secretaria Especial para Assuntos Jurídicos

LEI Nº 15.103, DE 22 DE JANEIRO DE 2025

Mensagem de veto

(Promulgação partes vetadas)

Institui o Programa de Aceleração da Transição Energética (Paten); e altera as Leis nºs 13.988, de 14 de abril de 2020, 11.484, de 31 de maio de 2007, 9.991, de 24 de julho de 2000, e 9.478, de 6 de agosto de 1997.

O PRESIDENTE DA REPÚBLICA Faço saber que o Congresso Nacional decreta e eu sanciono a seguinte Lei:

Capítulo I

DO PROGRAMA DE ACELERAÇÃO DA TRANSIÇÃO ENERGÉTICA (PATEN)

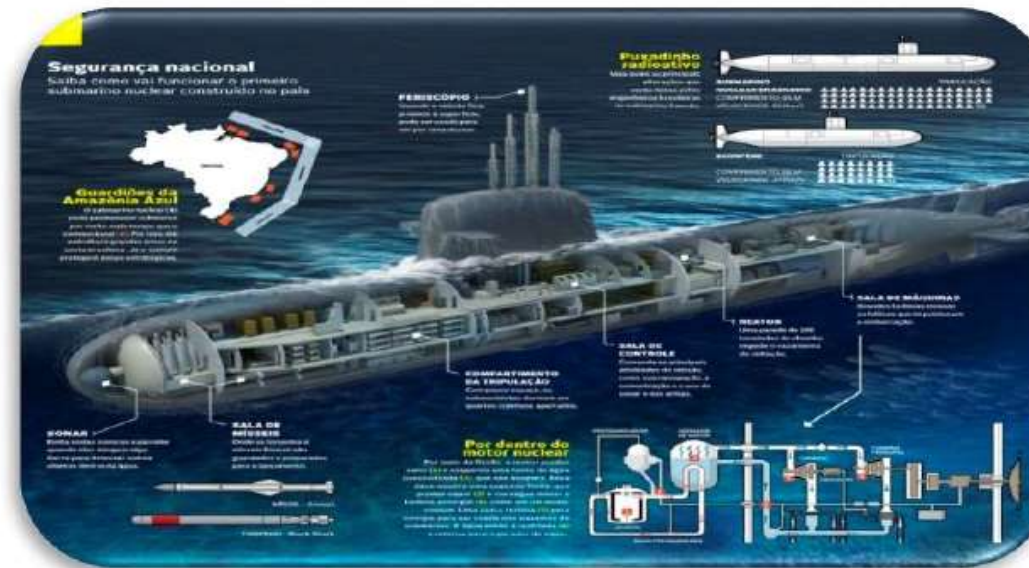
Expanding nuclear energy supports national sovereignty, energy security, and decarbonization goals, while also stimulating industrial innovation, skilled job creation, and applications in health, industry, defense, and R&D, reinforced by the **Energy Transition Acceleration Program**

Nuclear Structure at the Presidency of the Republic



Brazil's main nuclear facilities



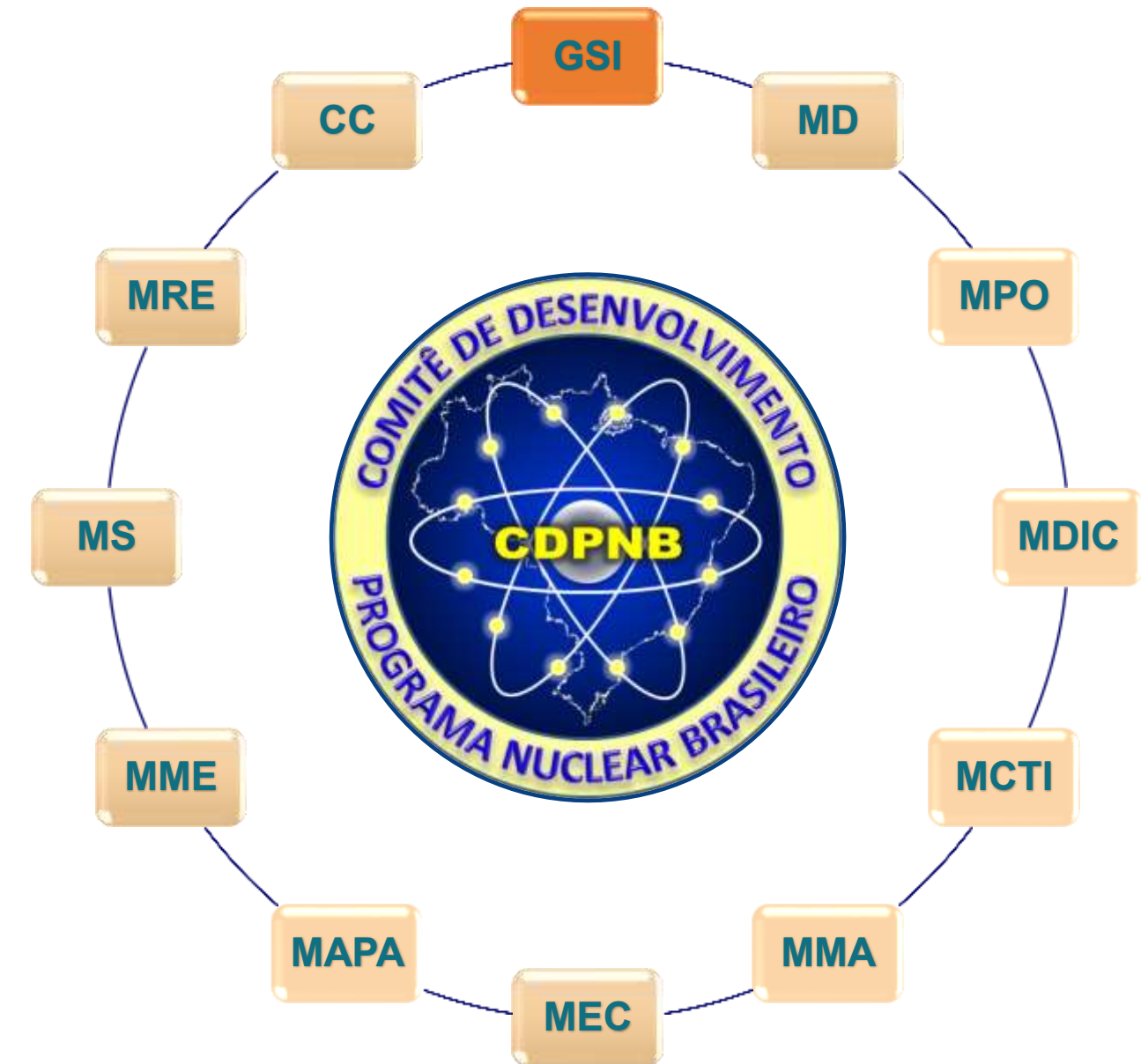


CDPNB - Brazilian Nuclear Program Development Committee

Decree N° 9.828, of July 10th, 2019

States about the **Brazilian Nuclear Program Development Committee**

- 12 Ministers of State;
- Direct Advisory to the President of Republic on nuclear matters;
- Goals and Guidelines for the Development of the Nuclear Program;
- Oversight on the national projects related to the sector;
- Two tiers: Plenary and Technical Working Groups.



CDPNB - Main Topics



Policies



Uranium
Mining



Nuclear Health
Applications



Regulatory
Framework



Food Irradiation



Waste
Management



Human
Resources

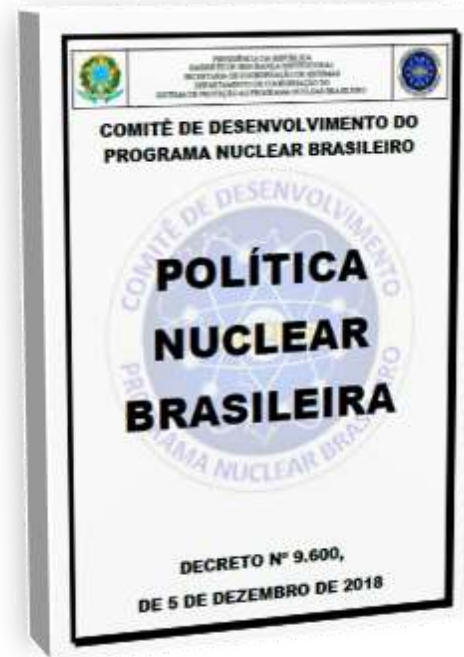


Social
Communication



Nuclear Sites
Selection

Proposal for a Strategy for the Governance of the Nuclear Sector



Article 8. The Committee for the Development of the Brazilian Nuclear Program - **CDPNB** has the responsibility of establishing, through a Resolution, **guidelines and goals** for the development of the **Brazilian Nuclear Program** and supervising its execution.

Why a Strategy for Governance of the Nuclear Sector?

- ⚛ To leverage the diverse initiatives, projects, and resources of the actors that comprise the Brazilian Nuclear Program (PNB) in synergy.
- ⚛ To provide transparency to the PNB with the international community.
- ⚛ To establish goals and indicators for monitoring the PNB.

Future Actions

- ⚛ Drafting of the EGPNB within the scope of the CDPNB
- ⚛ Discussions with key stakeholders in the sector
- ⚛ Consolidation of the document (Working Group)

Brazilian
Nuclear
Program
Governance
Strategy

Nuclear Energy in COP30

MISSION IMPACT

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IAEA at COP30: Nuclear Energy, Technology and Science Shaping a Sustainable Future

The IAEA takes the stage to showcase nuclear solutions to global energy and environmental challenges at the 30th United Nations Climate Change Conference – COP30 – which takes place in Belém, Brazil, from 10 to 22 November.

7 November 2025

Mary Albon, IAEA Office of Public Information and Communication

Corporate Offices, but in a forum full of young scientists, environmental activists, and visionaries.

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world nuclear news

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More support for tripling global nuclear capacity

Monday, 17 November 2025

The total number of countries endorsing the declaration to at least triple global nuclear generating capacity by 2050 has increased to 33 with Rwanda and Senegal both joining the initiative on the sidelines of the COP30 climate conference in Belém, Brazil. Support from nuclear industry companies and financial institutions has also increased.



(Image: Sergio Moraes/COP30)

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Summary

-  Brazil is committed to building a diversified, clean, and secure energy future.
-  Nuclear energy, though modest in current share, is recognized as a **long-term strategic pillar** for stability, decarbonization, and innovation.
-  The coordination between government, industry, and research institutions will be essential to consolidate this path.
-  The message is clear: **nuclear energy is part of Brazil's sustainable future**, standing alongside renewables to ensure resilience, sovereignty, and prosperity.

Thank you!
Obrigado!

Institutional
Security
Office

