

FAPENÁ



# Maranhão

Innovation and International Cooperation

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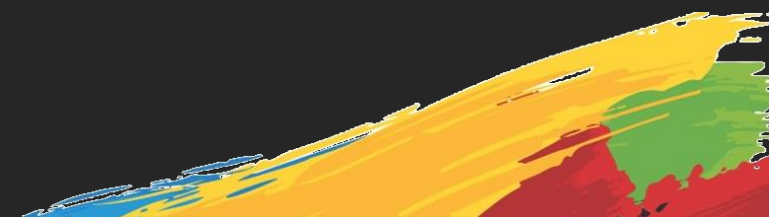
# Maranhão

Population: 7 million

Area: 331.983.293 km<sup>2</sup>

Located in both Northeast region and Legal Amazon

Vast natural resources and potentialities



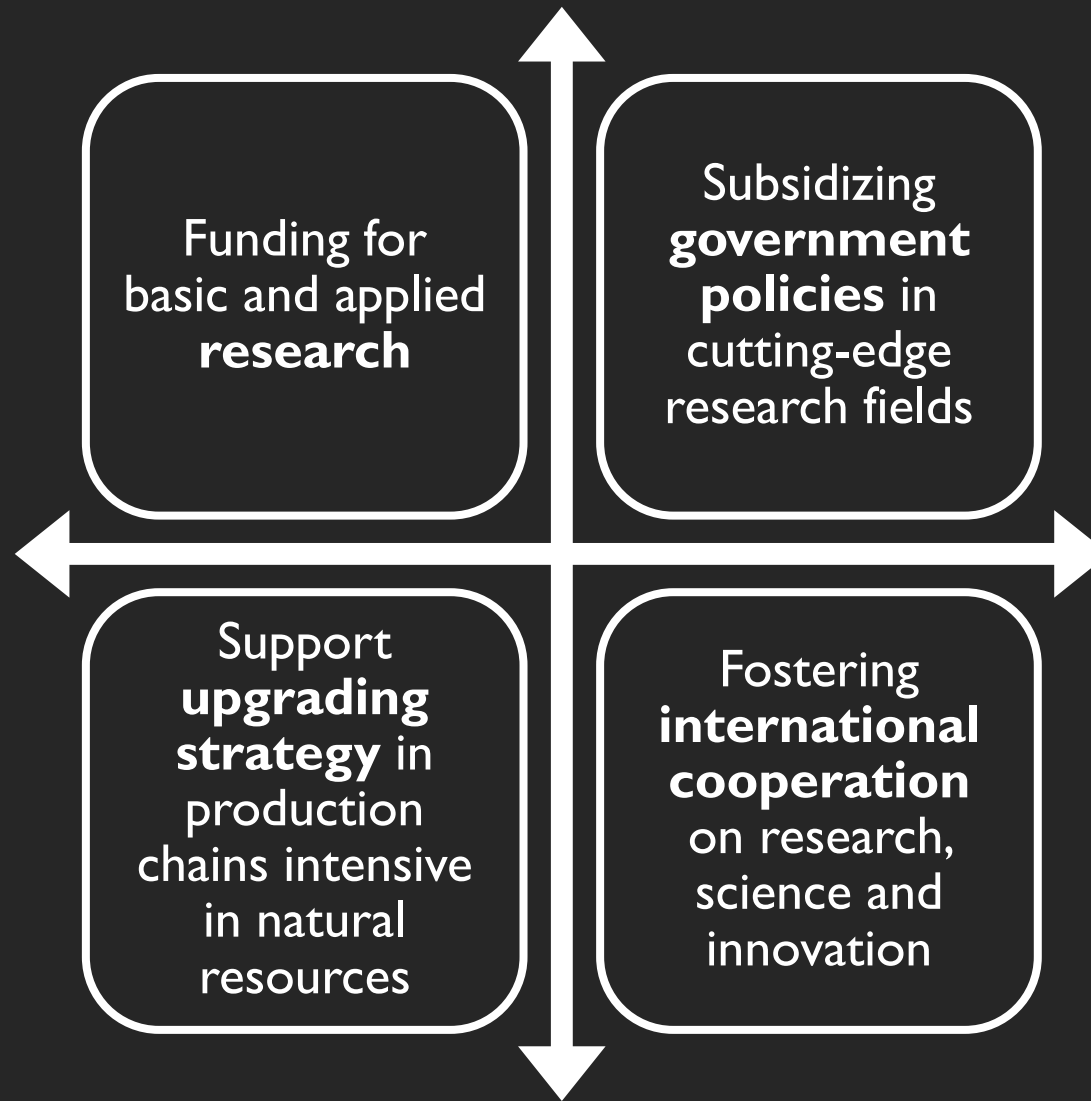


Maranhão is a logistic hub



# Maranhão Foundation for Research, Science and Technology Development - FAPEMA

What we do?



# Inova Maranhão

**Short  
Term**

**1. FAPEMA open call for supporting startup ecosystem**

**2. Innovation Hub at the heart of São Luís Historic Center**

**Medium  
Term**

**3. Productive chain's technological prospection**

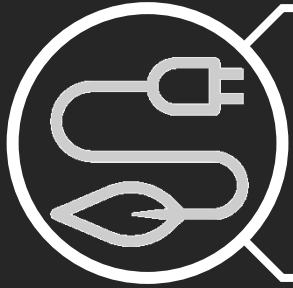
**Long  
Term**

**4. Creation of the first Maranhão Techpark**

**5. Adhering to the National Plan for IoT**



# Three main areas of cooperation



Renewable energy sources

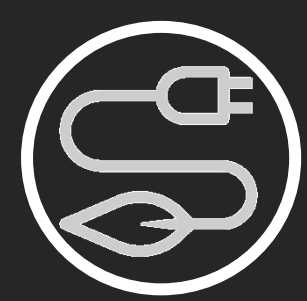


Biotechnology and natural  
resources



Agricultural production chains



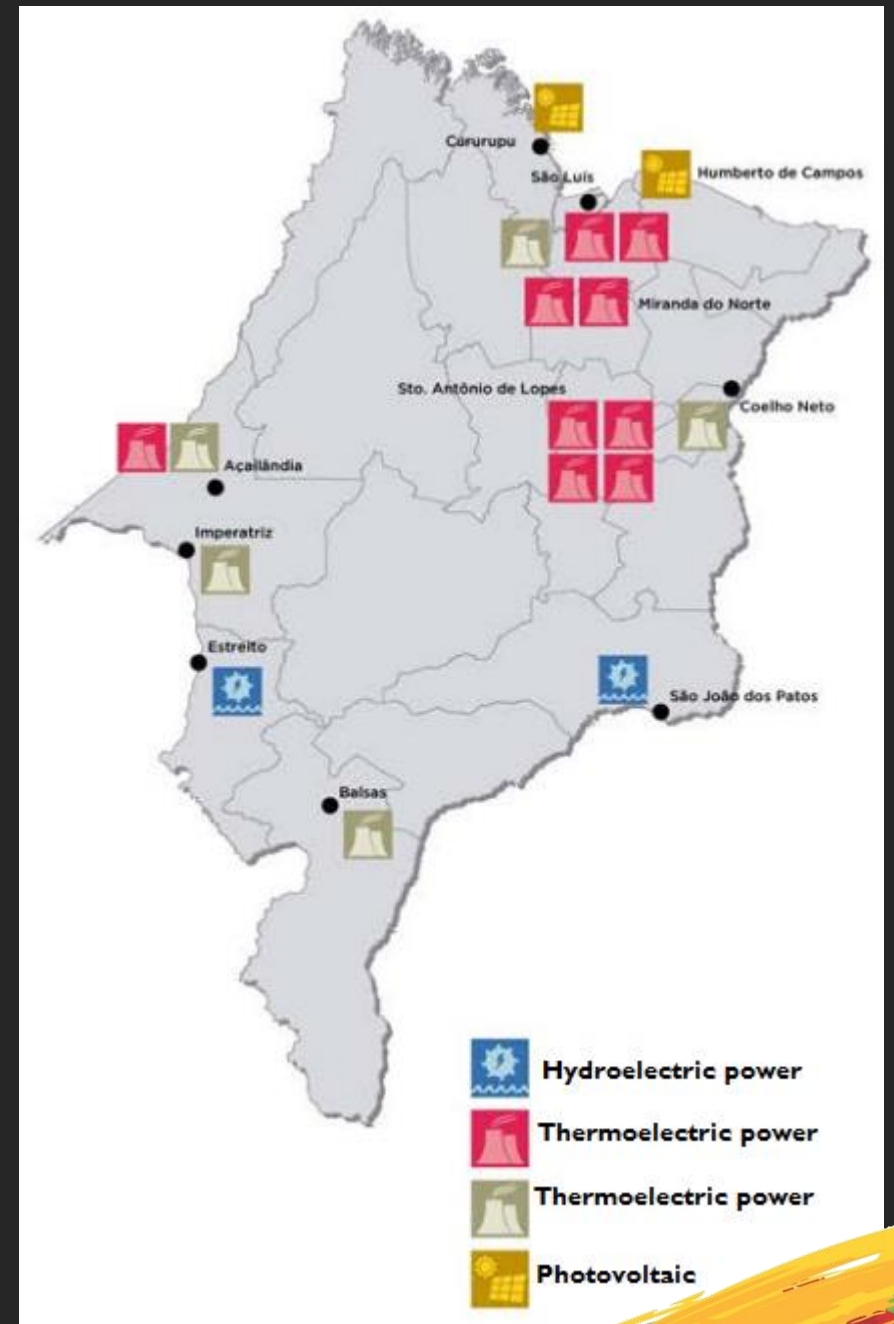


# State with Energy Surplus

Current generation capacity: 3065 MW/h

Current energy consumption: 1585 MW/h

Maranhão advances in energy production and distribution as strategic differentias in the diversification of its energy matrix

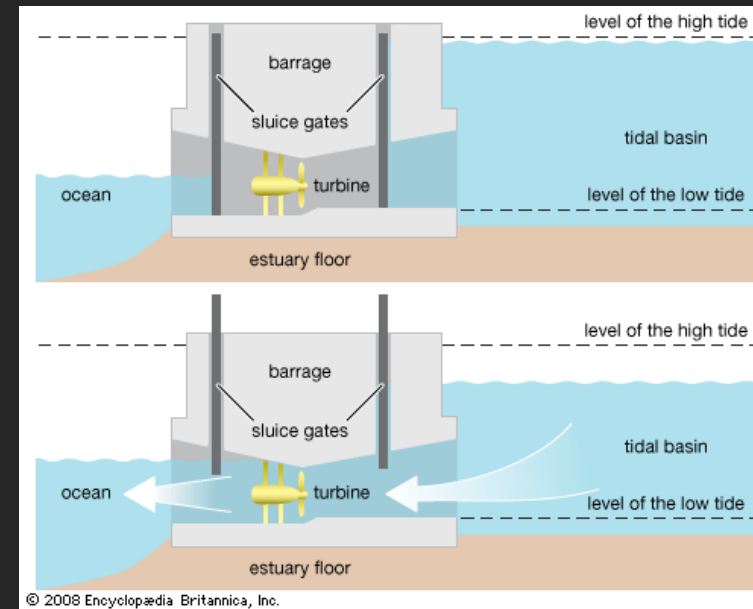
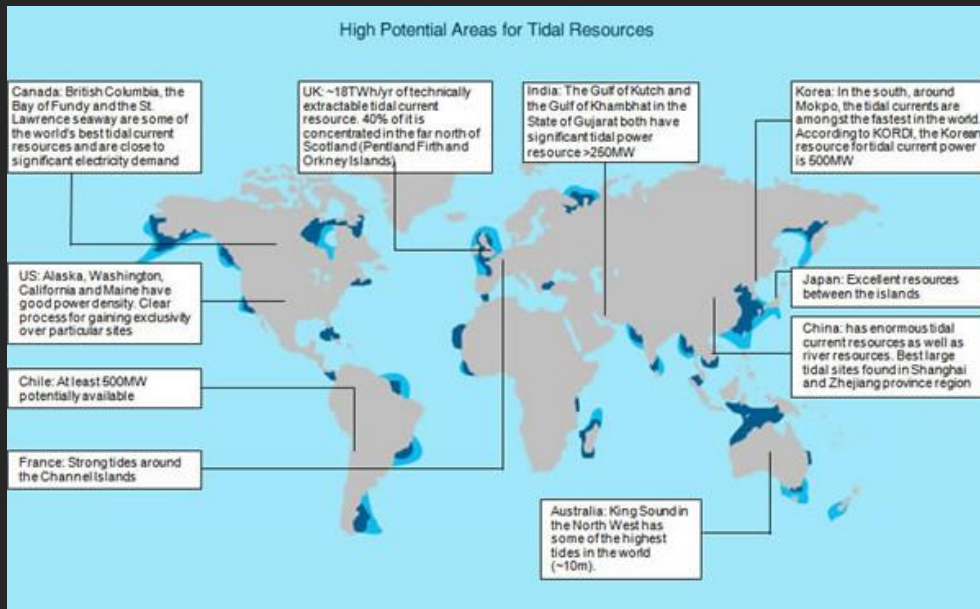




# Oceanic and river energies

Maranhão has the one of the highest tide variations in the the world

A National Institute of Science and Technology on Oceanic and River Energies was established in Maranhão







# Babaçu

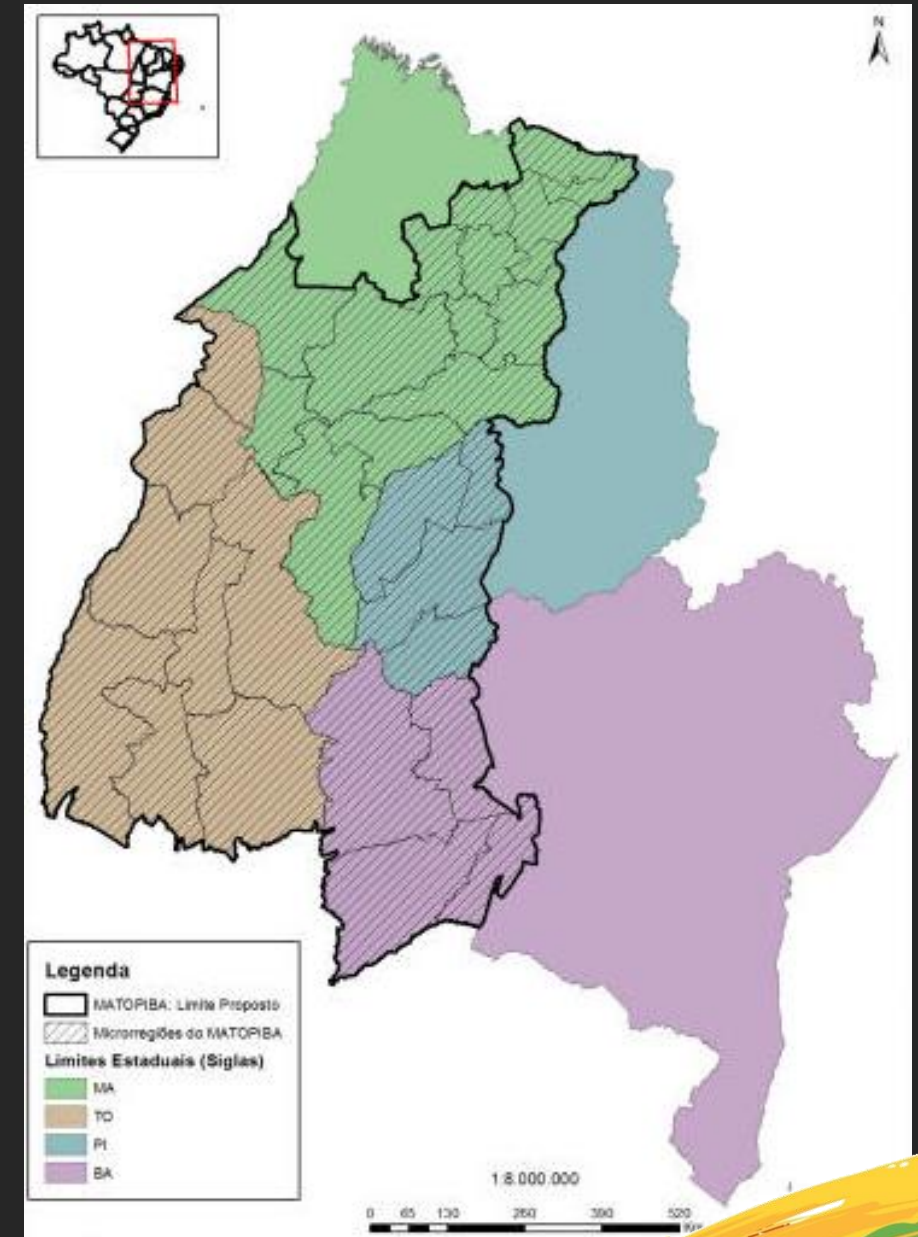
How to make the best and more sustainable use of such rich natural resource?





# MATOPIBA: Maranhão, Tocantins, Piauí and Bahia

- Brazil's agricultural frontier
- GDP: 112 bi USD
- Given its strategic position and existing infrastructure conditions, Maranhão is an important access route to the potentialities of MATOPIBA.





# “More Production” Program

**Objective:** strengthen 10 strategic productive chains in order to verticalize it and aggregate value

**MAIS  
PRODUÇÃO**

**Current bottlenecks:** processing, storing and commercialization

**Cooperation opportunities:** investment and technical exchange





## Rice production: Salangô project

- 1st producer in the Northeast region and the fifth largest rice producer in the country
- **Main challenge:** technology for increasing productivity and alternatives for **grain processing and storage**
- In 2016, almost 3 mi BRL were invested in equipment and infrastructure



**FAPEMA**



**Thank you!**

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