

# BRAZILIAN INITIATIVES ON CIRCULAR AND SUSTAINABLE BIOECONOMY

MINISTÉRIO DA  
CIÊNCIA, TECNOLOGIA  
E INOVAÇÃO



Bogotá, July 26<sup>th</sup>, 2023

# BRAZILIAN SCENARY



**AGROBUSINESS**



**TROPICAL  
AGROPECUARY  
RESEARCH**



**BIODIVERSITY**



**PIONEERING IN  
BIOFUELS POLICIES**



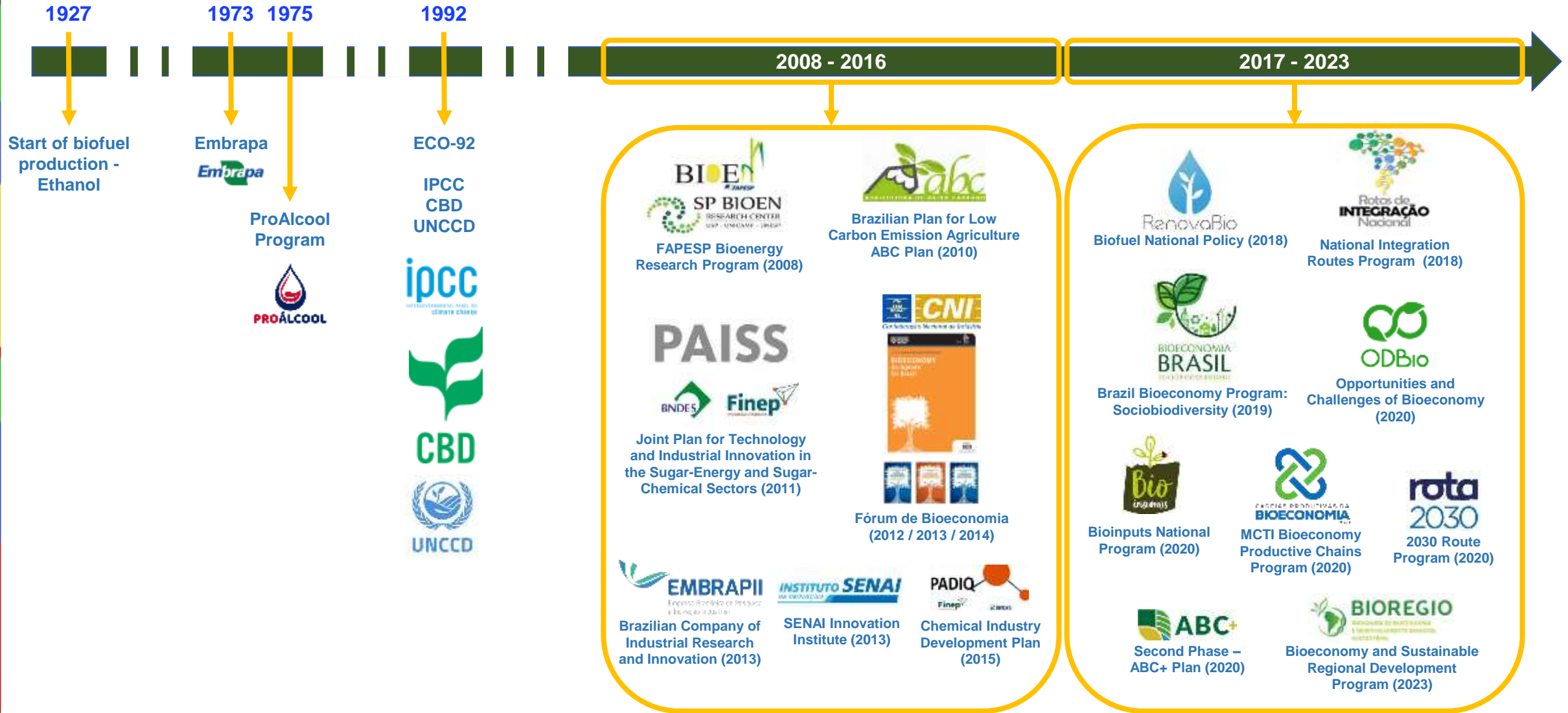
**ACADEMIC SECTOR  
OF GLOBAL  
RELEVANCE**



**STRUCTURED  
BUSINESS  
SECTOR**

**Brazil: Natural Aptitude for  
Bioeconomy**

# BRAZILIAN BIOECONOMY TIMELINE



**BIOENERGY / AGRICULTURE / BIODIVERSITY / BIOINDUSTRIALIZATION / CHEMICALS / SUSTAINABLE DEVELOPMENT**

# BRAZILIAN BIOECONOMY PLANNING



National Strategy for  
Science, Technology,  
and Innovation –  
2016|2022



Science, Technology  
and Innovation  
Action Plan for  
Bioeconomy (2018)



Science, Technology  
and Innovation  
Strategy on  
Bioeconomy (2023)



Pará State  
Bioeconomy Plan  
(2022)



Municipal Bioeconomy Plan of  
Itu (2023)

**FEDERAL LEVEL**

**STATE LEVEL**

**MUNICIPAL LEVEL**

**BRAZIL IS ELABORATING ITS BIOECONOMY  
GOVERNANCE AT FEDERAL LEVEL**

**ECOLOGICAL TRANSITION**  
*(New Sustainable Development Plan)*

**NEOINDUSTRIALIZATION**  
*(New Industrial Policy)*

# ST&I PLANNING



## National Strategy for Science, Technology, and Innovation - 2016 | 2022



### Strategic Issues



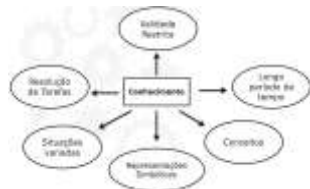
### Science, Technology, and Innovation Action Plan for Bioeconomy (MCTI, 2018)



# KEY QUESTIONS

Mobilization of actors for the understanding, engagement and joint construction of the Brazilian bioeconomy

**WHAT IS THE BRAZILIAN BIOECONOMY?**



Conceptual field of Brazilian bioeconomy

**WHO DEVELOPS IT?**



Mapping of competencies and capabilities in RD&I

**HOW TO THINK ABOUT IT?**



Knowledge Hub Model / Brazilian Bioeconomy Intelligence Center

**HOW TO COORDENATE IT?**



Governance at federal level

**HOW TO DEVELOPED IT?**



Mission Oriented Programs  
(opportunities and challenges to structure, mobilize and direct the development of the bioeconomy)

**HOW TO PROMOTE IT?  
WHERE TO DISCUSS ABOUT IT?**



National Conference of Brazilian Bioeconomy  
(proposal to structure a national event bringing together the main players in the sector)

# ST&I STRATEGY FOR BIOECONOMY

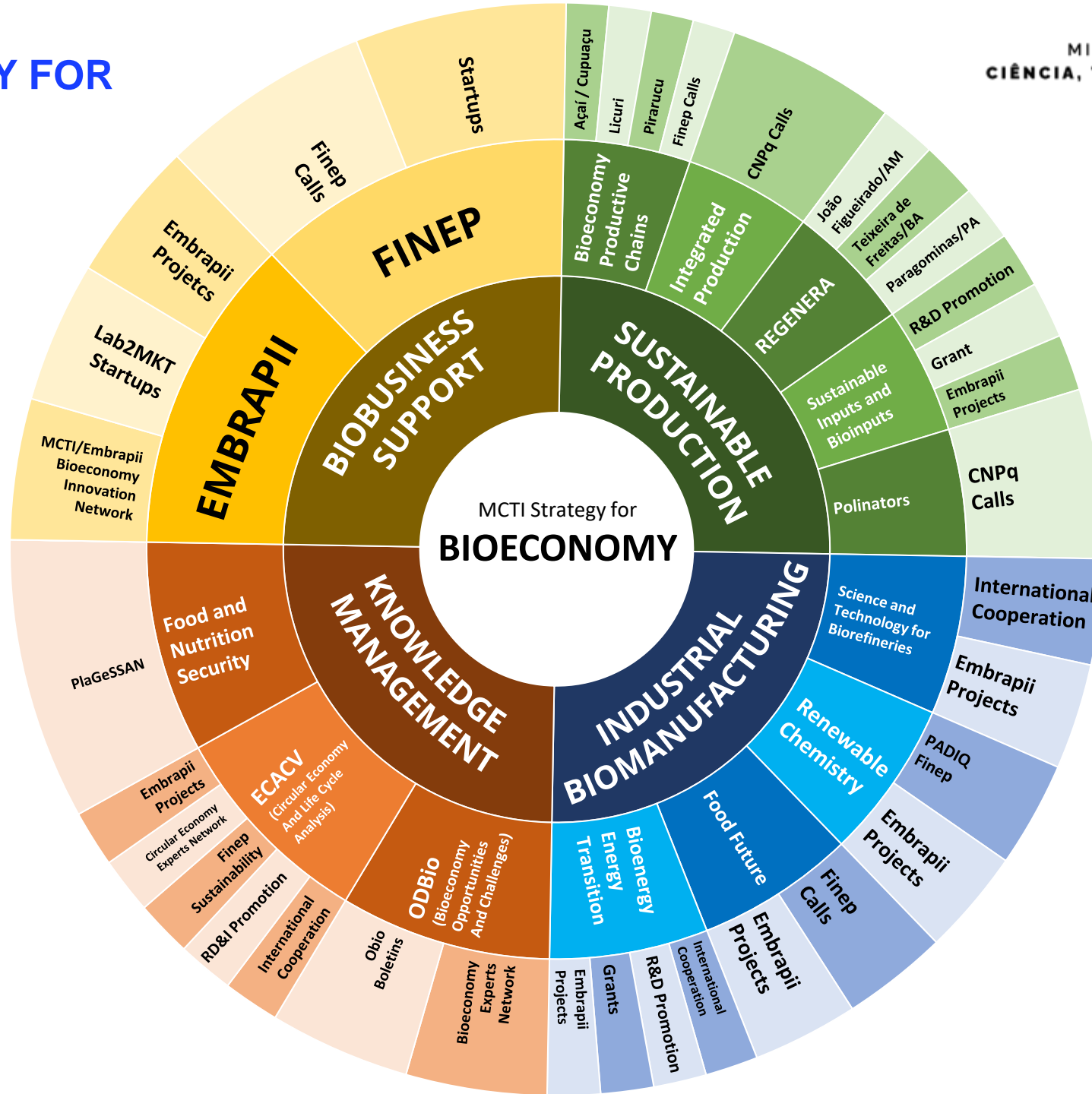
(under elaboration)

## WHAT IS THE CONCEPTUAL FIELD OF BRAZILIAN BIOECONOMY?

The bioeconomy comprises **all economic activity derived from bioprocesses and bioproducts** that contribute to **efficient solutions in the use of biological resources** - facing the challenges in food, chemicals, materials, energy production, health, environmental services and environmental protection - that promote the transition for a **new model of sustainable development** and society's well-being.

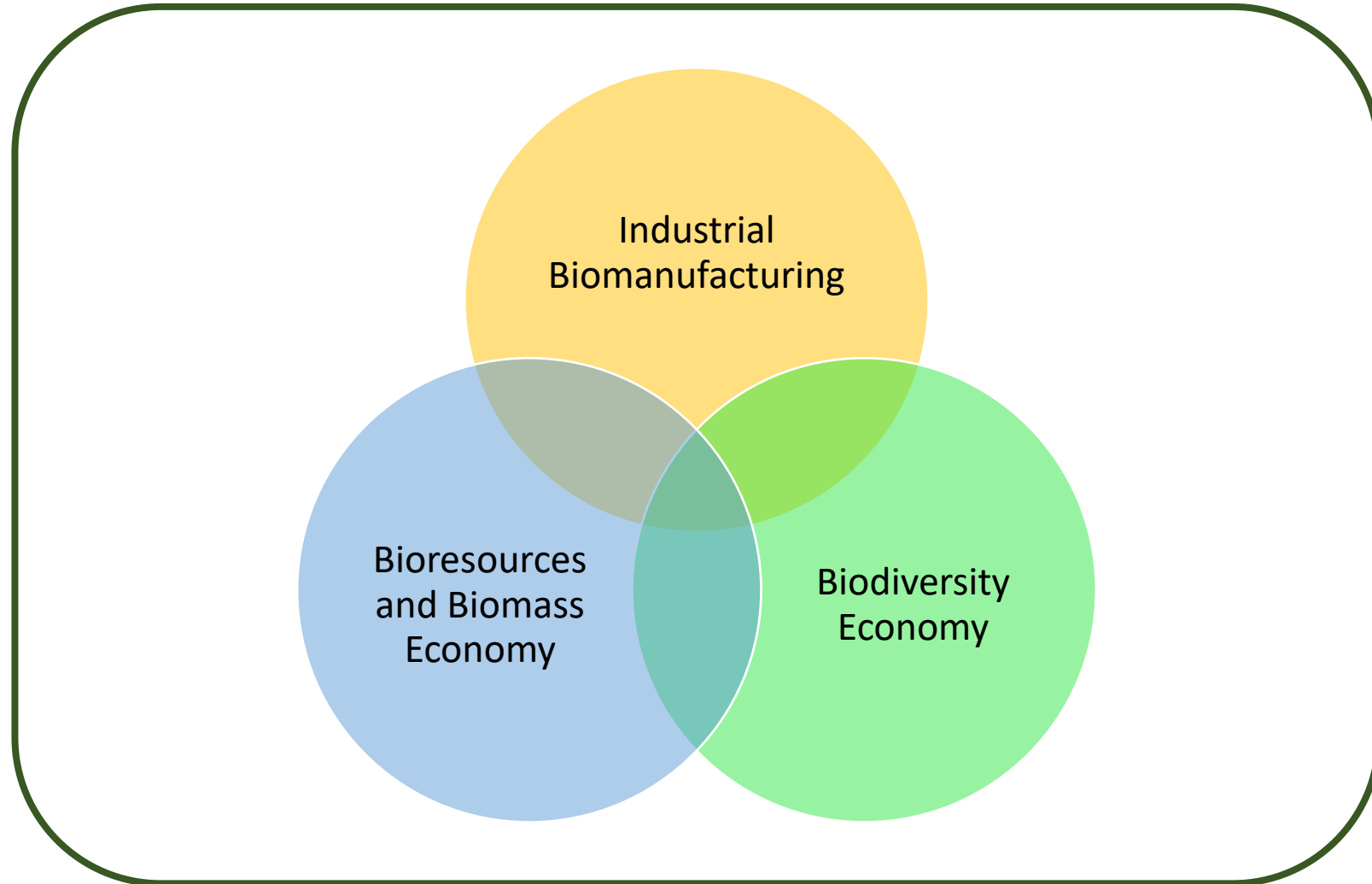


# ST&I STRATEGY FOR BIOECONOMY

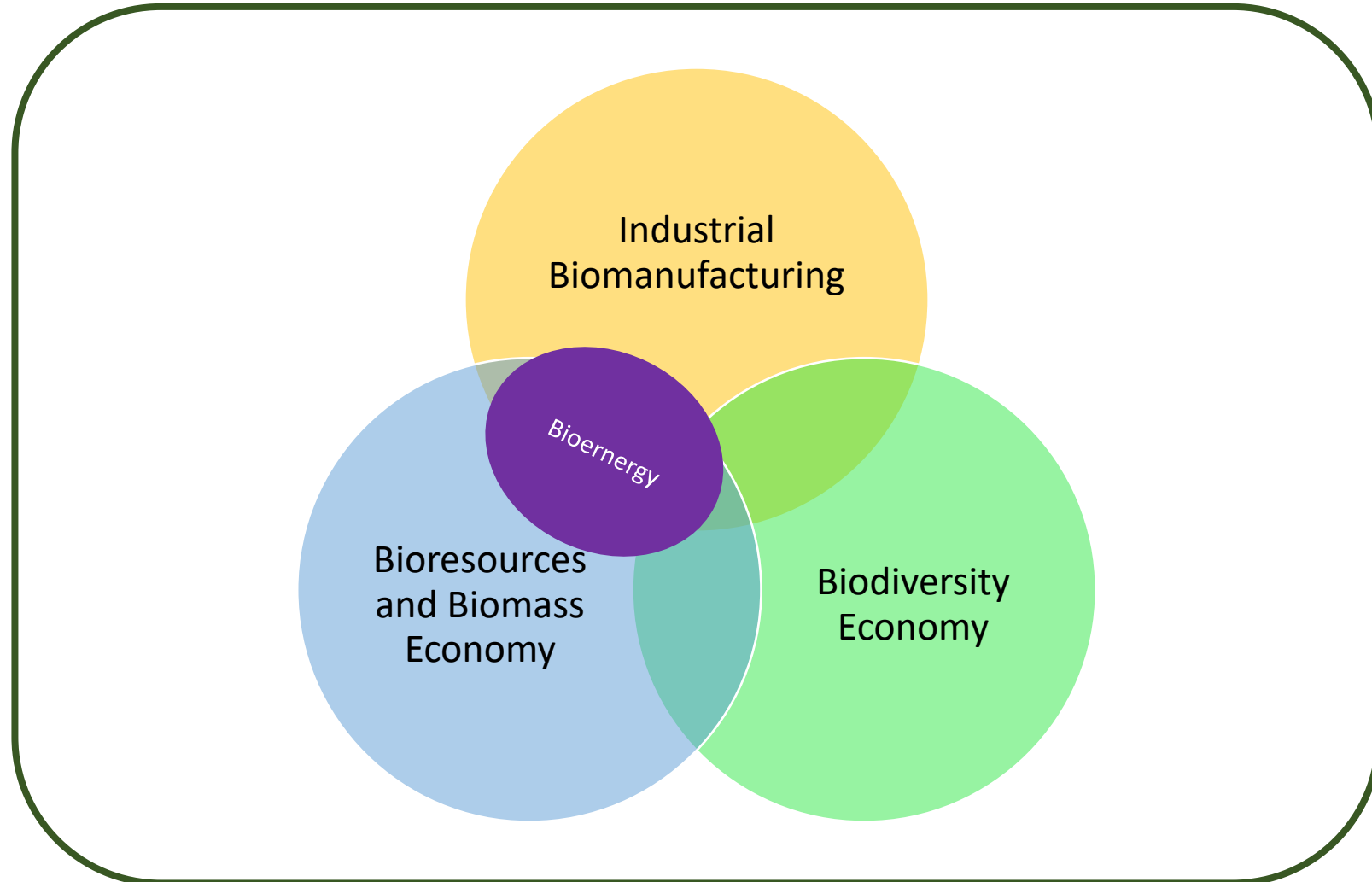




# BRAZILIAN BIOECONOMY MAIN THEMES



# BRAZILIAN BIOECONOMY MAIN THEMES



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