

# THE BRAZILIAN EXPERIENCE ON SCIENCE-DRIVEN SUSTAINABLE AGRICULTURE

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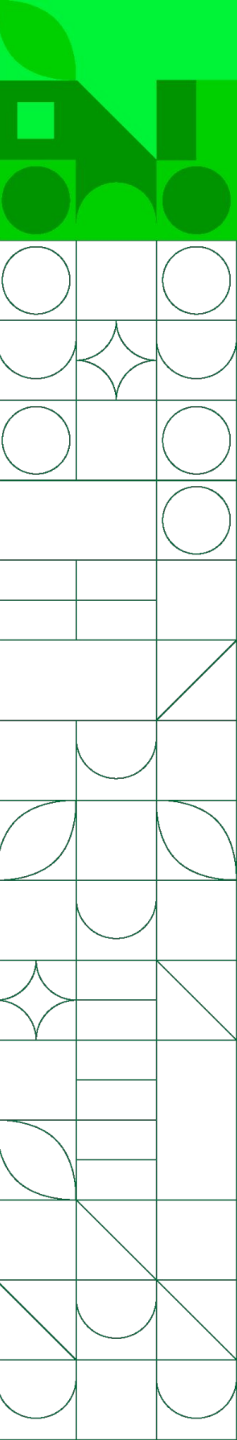
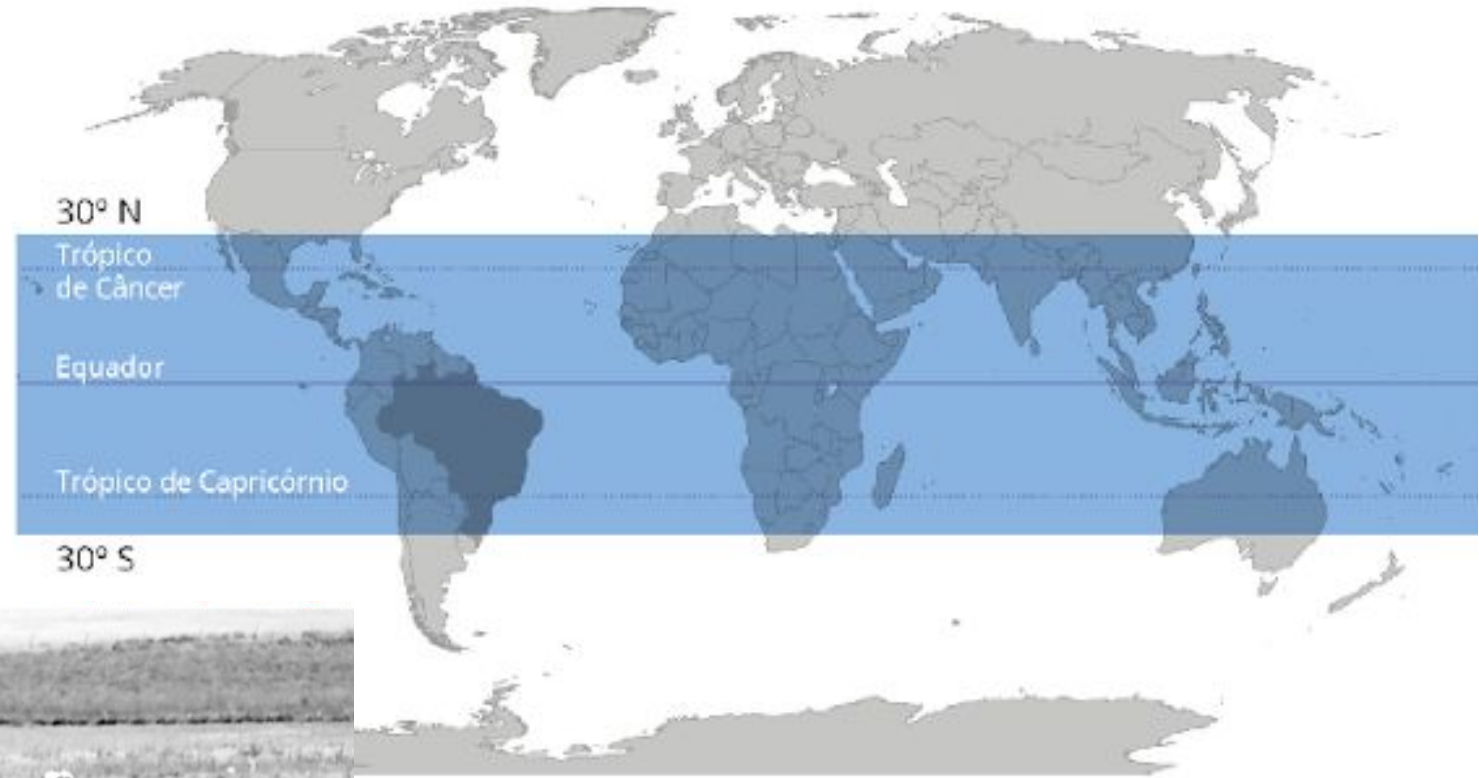
MINISTRY OF  
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BRAZILIAN GOVERNMENT  
**BRAZIL**  
UNITING AND REBUILDING

1960s

Brazil used to import staple foods and suffered with food insecurity

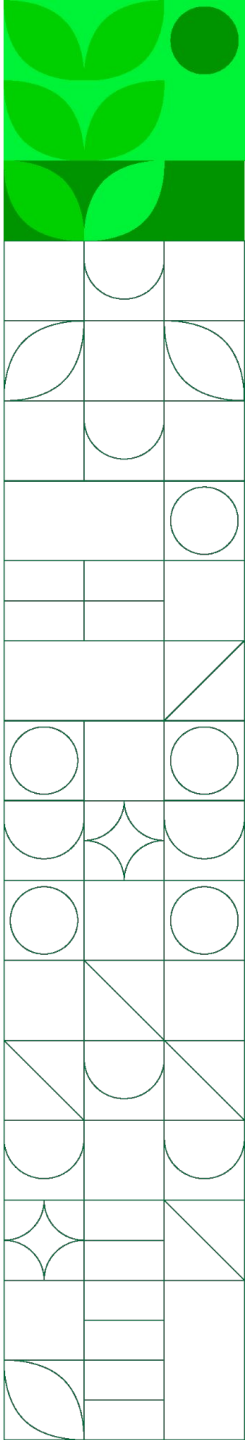
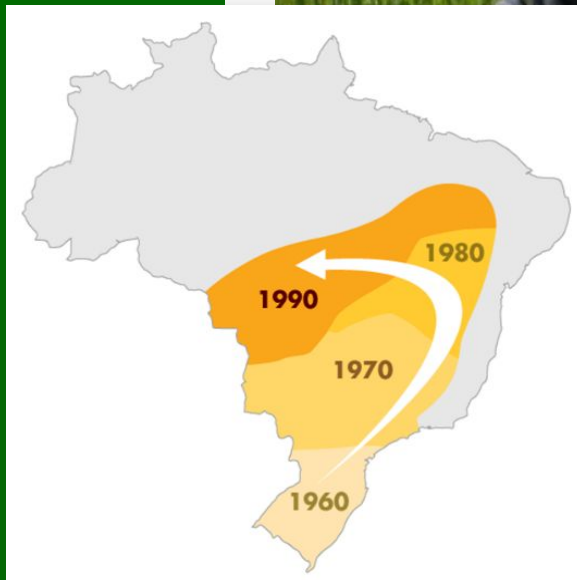
The country needed to overcome the challenge of producing in the tropical belt



## 1970s to 1990s

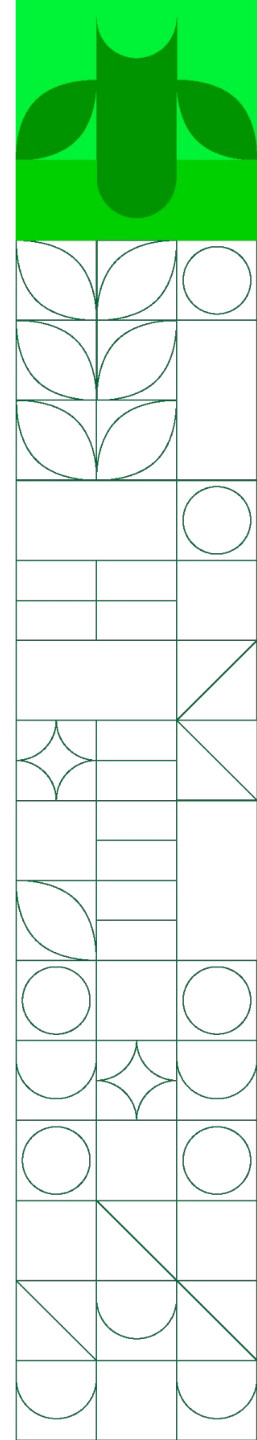
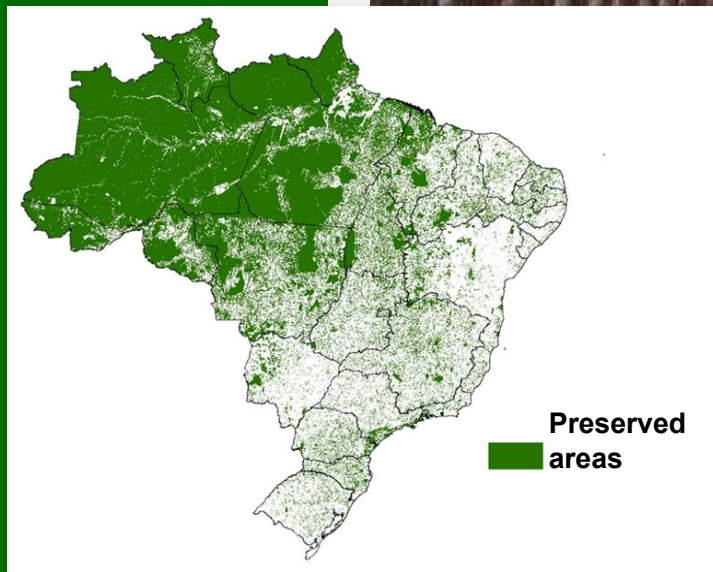
Investments in science enabled the tropicalization of plant varieties and animal breeds

Technology transformed acidic and poor soils into fertile



## 2000s to 2020s

Environmental awareness drives the development of an innovative production platform based on sustainable intensification



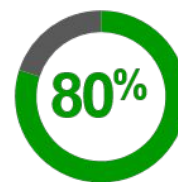
# FORESTRY CODE

## Brazil's National Policy for Sustainable Land Use

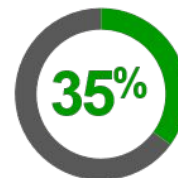


*Rural landscape at Mato Grosso state, Brazil*  
Source: Google Earth

Producers must preserve  
part of their land, so called  
**Legal Reserve**



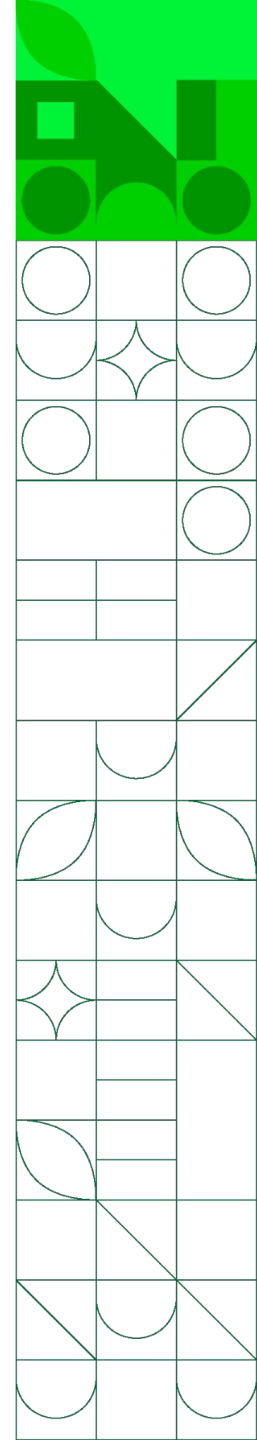
For properties located  
within the **Amazon**



For properties located  
within the **savannah (Cerrado)**



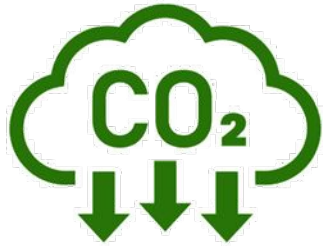
For properties located  
in **other regions**



# ABC Plan

## Brazil's National Policy for Low Carbon Agriculture

First phase | 2010 to 2020



Mitigated

193 Million tCO<sub>2</sub>eq



**No-till farming**  
+14,6 million ha



**Recovered Pastures**  
+26,8 million ha



**Integrated systems**  
+10,8 million ha



**Planted Forests**  
+1,9 million ha



**Manure treatment**  
+38,3 million m<sup>3</sup>



**Biological Nitrogen Fixation**  
+11,8 million ha

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# ABC Plan

## Brazil's National Policy for Low Carbon Agriculture

Key success factors and lessons learnt

### SCIENCE-BASED SOLUTIONS



Sustainable practices and technologies

### GOVERNMENT FINANCIAL INCENTIVES



Rural credit (Loans, not subsidies)

### ADDRESS THE FARMERS NEEDS



Agriculture is a private and locally adapted activity

### Technical Assistance



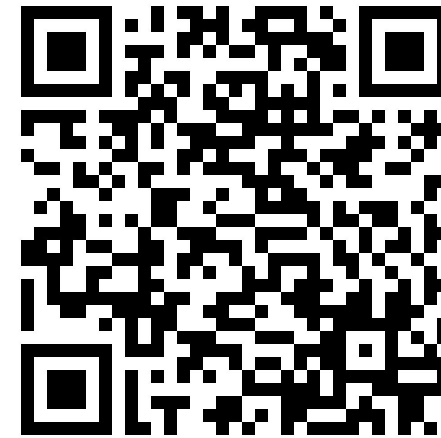
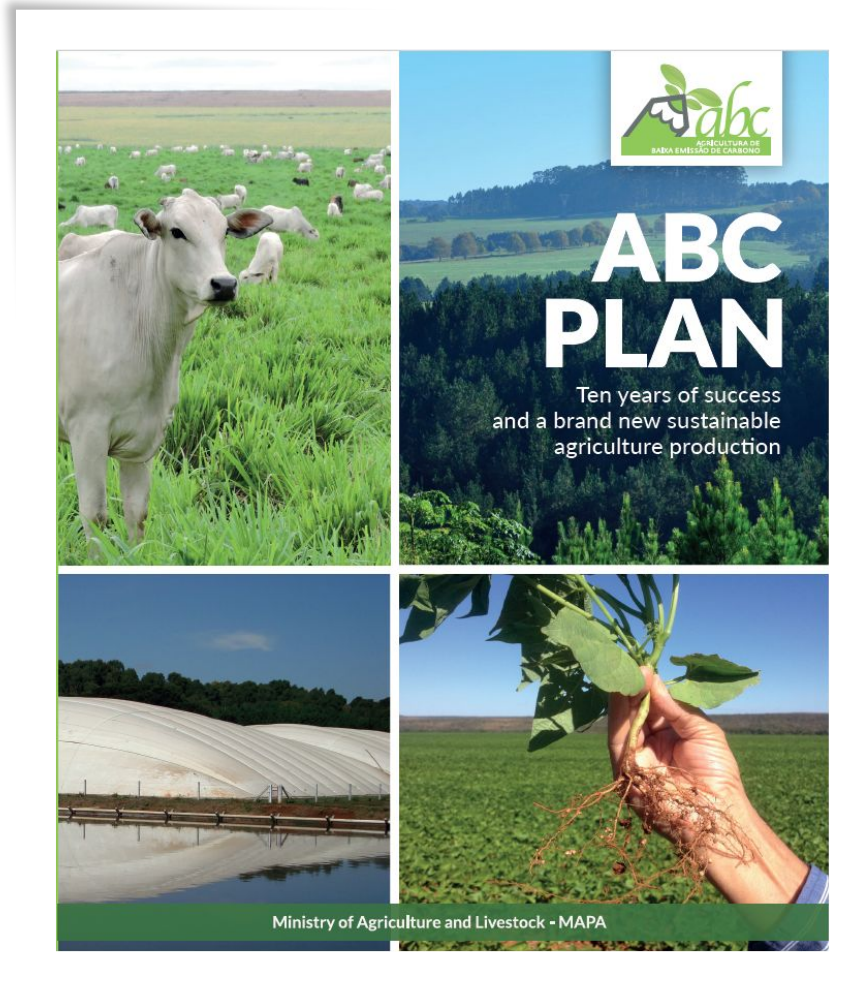
### Monitoring



# ABC Plan

## Brazil's National Policy for Low Carbon Agriculture

First phase | 2010 to 2020







# Brazil's National Policy for Low Carbon Agriculture

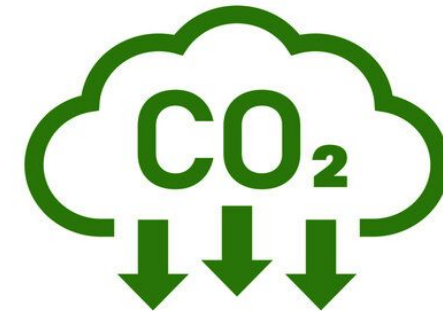
Second phase | 2021 to 2030



SCAN ME



## TARGET



To mitigate

1 Gt CO<sub>2</sub>eq

# Thank You

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