



## IPACC II Project in Brazil

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# BRAZIL'S ECONOMY AT A GLANCE



9th

**A GLOBAL POWERHOUSE**

The largest economy in Latin America  
The 9<sup>th</sup> largest GDP in the world (USD 2.03 trillion in 2017)

6th

**GLOBAL DESTINATION FOR INVESTMENT**

6<sup>th</sup> FDI host economy, averaging over USD 85 billion per year from 2010 to 2016

2.6%

**GDP GROWTH RATE ON AVERAGE SINCE 2000.**

In 2017, GDP Grew 1%, starting the recovery from the worst economic recession

# IPACC II Project in Brazil: Why is it important?

## Climate change impacts

- Climate change risks
- Vulnerabilities
- Insufficient capacity to reduce or respond to their consequences
- Disasters and losses

## Resilient economic development

- Maintain economic growth
- Climate change risks management
- Adaptation measures
- Resilient investments

# IPACC II Project in Brazil: An Overview



Promote the consideration of climate change-related risks and adaptation

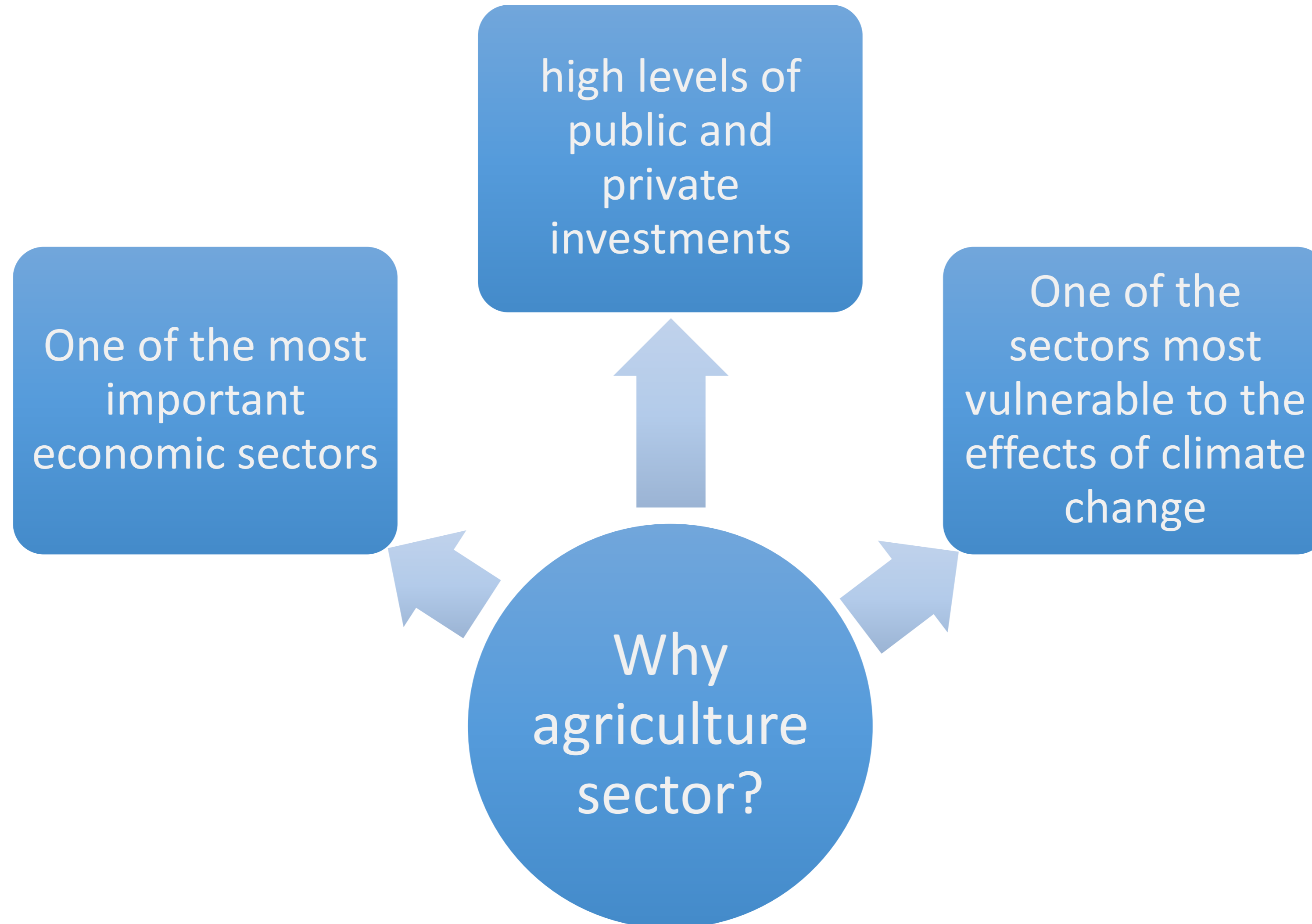


Financial sector, focused on the Brazilian Development Bank, which is the largest infrastructure financier in Brazil

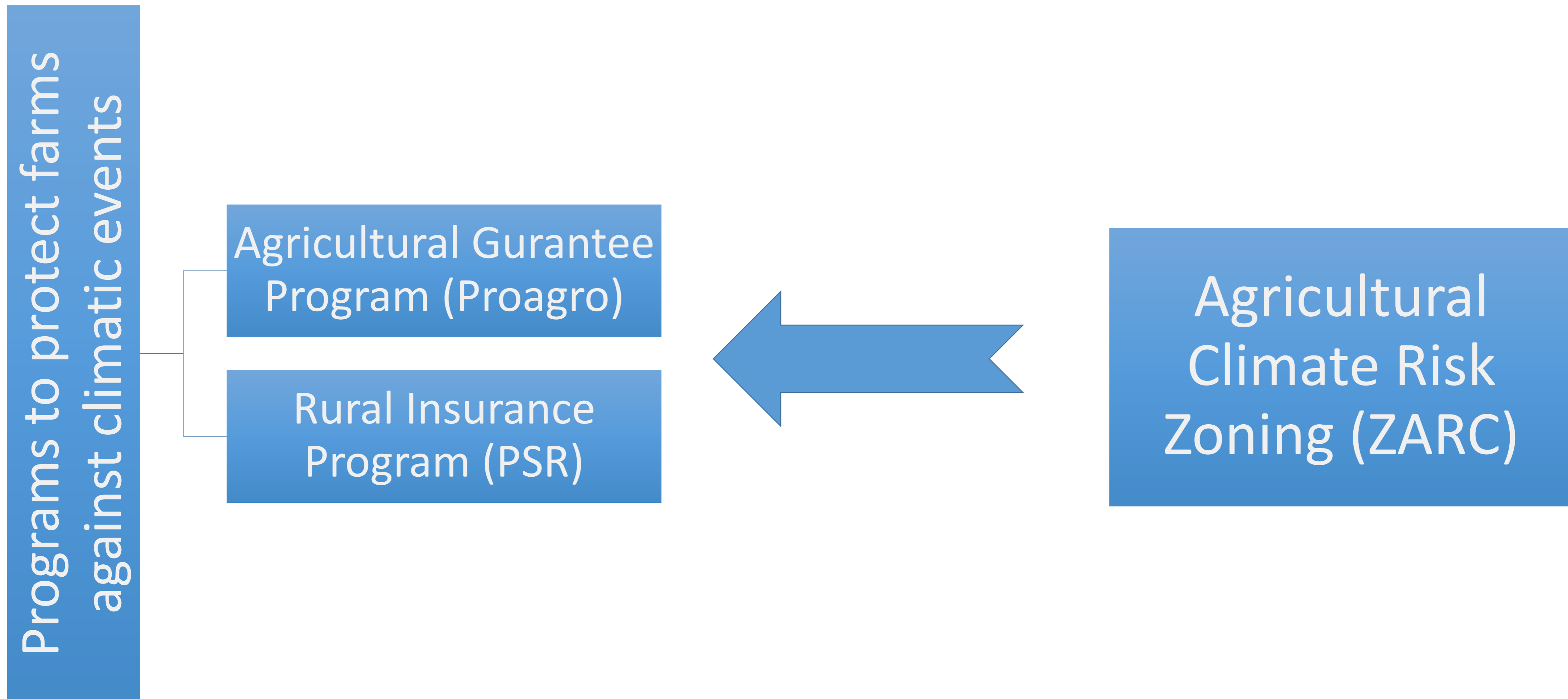


One of the most important sectors of the Brazilian economy

# IPACC II Project in Brazil: Agriculture sector



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## IPACC II Project in Brazil: Agriculture sector

Develop a set of recommendations aimed at reducing losses of agricultural production associated with the effects of climate change and contributing to an efficient allocation of public and private investments in agriculture.

Productive risk assessment using multimodels for the historical climate and scenarios of future climate change - RCP 4.5 and RCP 8.5 of the AR5 of the IPCC

Municipal risk stratification based on agrometeorological multimodels and remote sensing data for the historical climate and climate change scenarios for the future

Develop risk pricing methodology: present proposal for an actuarial methodology for the Proagro / PSR.

Develop a counterfactual analysis to identify the avoided cost if consideration of the risk associated with climate change had been incorporated into Agricultural Climate-Risk Zoning.

Result: recommendation of sowing date based on temporal indicator of productivity

Classification of municipalities with similar productive risks

I P A C C <sup>2</sup>

Public Investment & Climatic  
Change Adpatation in Latin America

**giz** Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH

On behalf of:



of the Federal Republic of Germany

THE PROJECT PUBLIC INVESTMENT AND CLIMATE CHANGE ADAPTATION IN LATIN AMERICA IS PART OF THE INTERNATIONAL CLIMATE INITIATIVE (IKI). THE FEDERAL MINISTRY FOR THE ENVIRONMENT, NATURE CONSERVATION AND NUCLEAR SAFETY (BMU) SUPPORTS THIS INITIATIVE ON THE BASIS OF A DECISION ADOPTED BY THE GERMAN BUNDESTAG

MINISTÉRIO DO  
**PLANEJAMENTO,  
DESENVOLVIMENTO E GESTÃO**

MINISTÉRIO DA  
**FAZENDA**

MINISTÉRIO DO  
**MEIO AMBIENTE**



**CAMBIO  
CLIMÁTICO**

