

# ABPPM

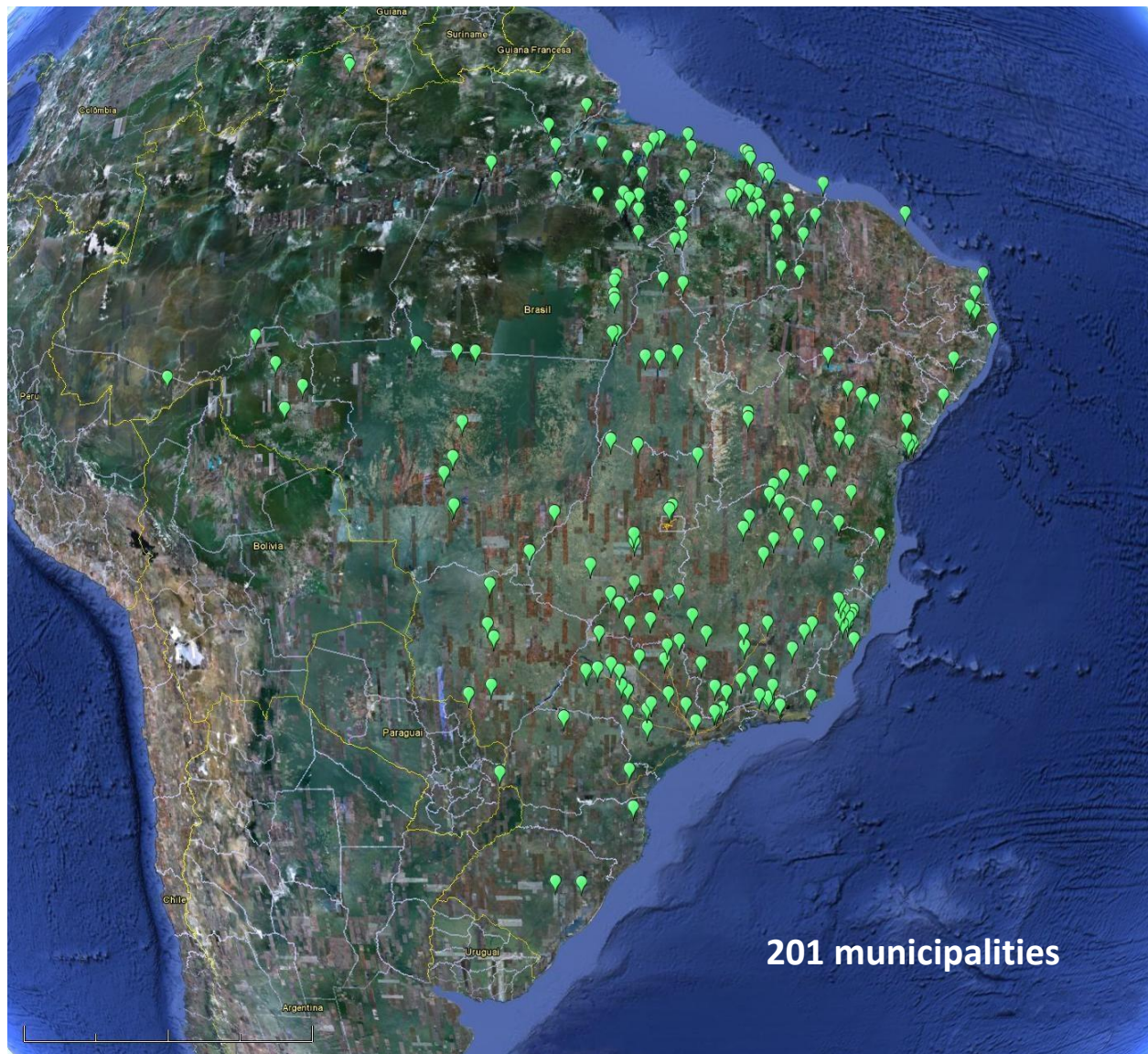
associação brasileira dos  
produtores de pinhão manso

**Jatropha World Asia 2011**

**June, 27<sup>th</sup> - 28<sup>th</sup>, 2011**

**Haikou, Hainan Island**

## MINICIPALITIES INVOLVED WITH JATROPHA IN BRAZIL



➤ **Planted Area:**  
50.000ha

➤ **2010 expansion:**  
10.000ha

# JATROPHA TIMELINE IN BRAZIL

## 2007 – 2010

2007		Foundation of ABPPM to represent the interests of the Jatropha Producers in Brazil, and support development of Jatropha projects in Brazil
2008	Jan	IN004/008 – Agreement with Brazilian Ministry of Agriculture, for interim registration of Jatropha curcas L. as species in the RNC – National Cultivar Registrar PPP between ABPPM and Embrapa Agroenergia
	Jun	PPP Embrapa-ABPPM in Caseara/TO
2009	Jan to Oct	I Circuit of Jatropha Field Days, with support of the Brazilian Ministry of Agriculture
	May	Brazilian Biokerosene Platform announcement
	Jun	Etapa Janauba – first testing of TDI Jatropha harvester
	Oct	I commercial crushing
	Nov	I Brazilian Congress on Jatropha Curcas L. Research
2010	Fev	Placement trials – Programa de Unidades de Observação
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	Nov	Nov - TAM flight with BioSPK produced from Brazilian Semi-refined Jatropha Vegetable Oil

## **ABPPM - BRAZILIAN ASSOCIATION OF JATROPHA GROWERS**

- ✓ **Represents major producers involved in Jatropha Projects in Brazil.**
- ✓ **SCC**  
**Introduced the Cartesian Intercropping System (SCC) for sustainable production of Energy + Food.**
- ✓ **PPP**  
**Is promoting Jatropha in Brazil within a Public Private Partnership with the Ministry of Agriculture and EMBRAPA.**
- ✓ **Works on a not-for-profit basis.**
- ✓ **Has supplied Jatropha Semi-Refined Oil for biokerosene production in October/2009.**



# ABPPM

associação brasileira dos  
produtores de pinhão manso

## ABPPM MAIN MEMBERS



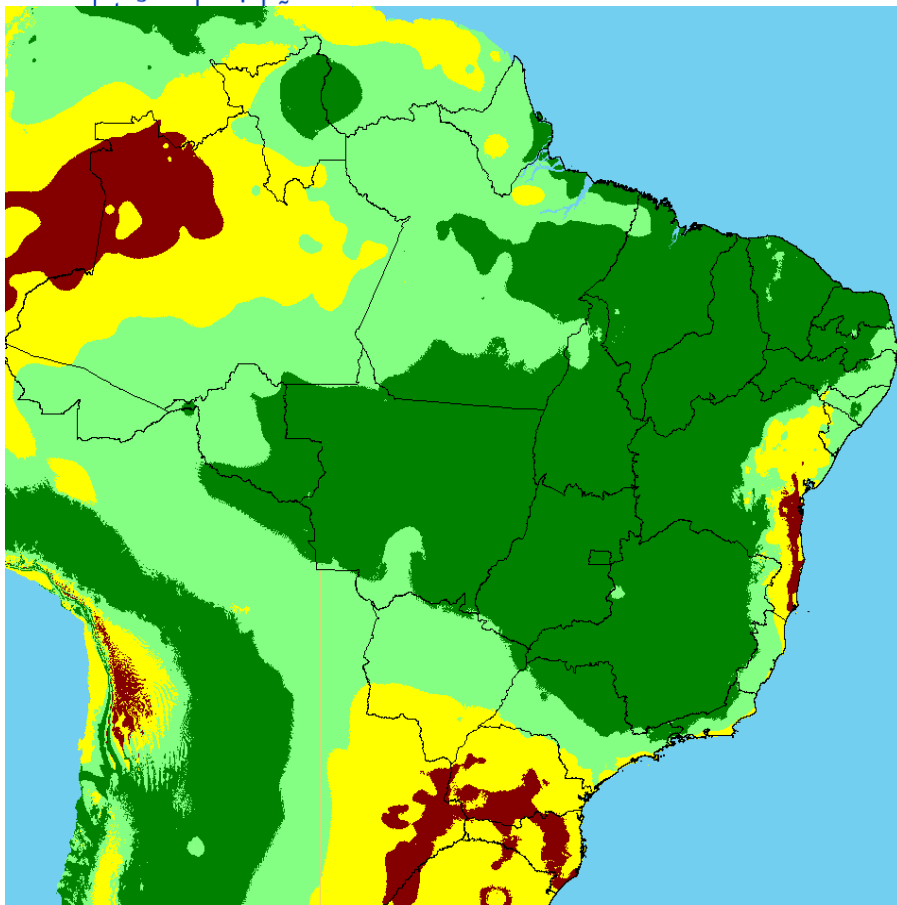
## ZONING FOR JATROPHA IN BRAZIL

### Regions

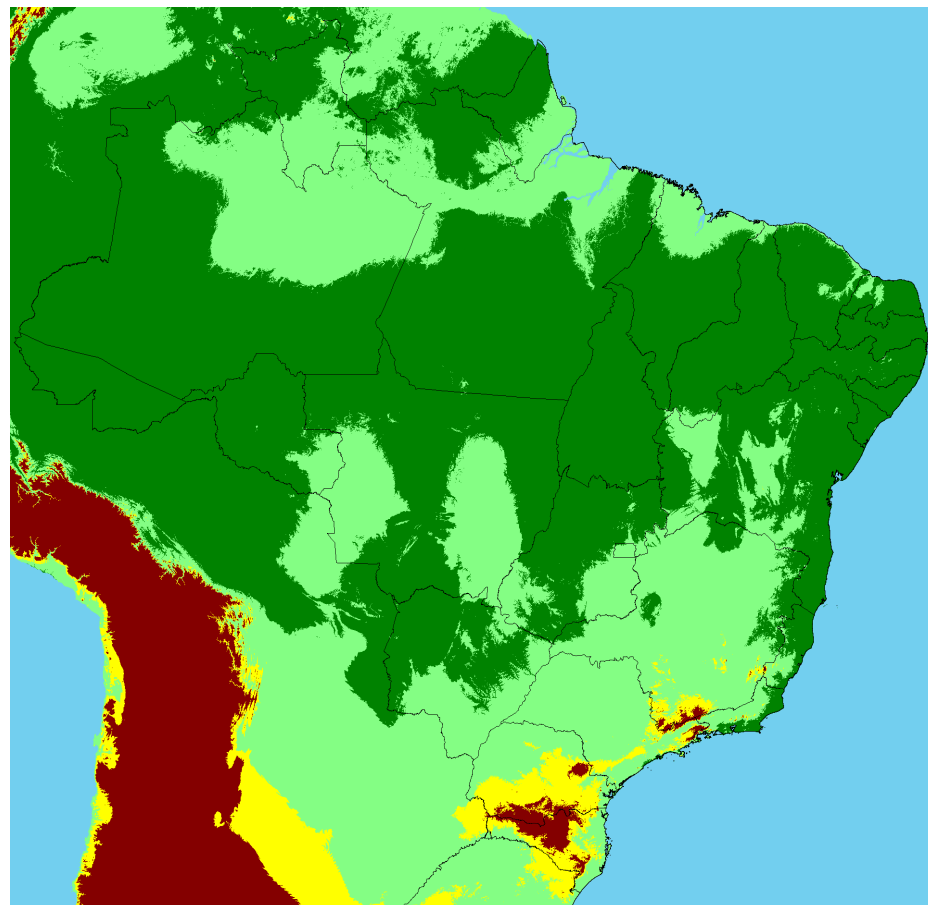
- North
- Northeast
- Center-West
- Southeast
- South



## ZONING FOR JATROPHA IN BRAZIL



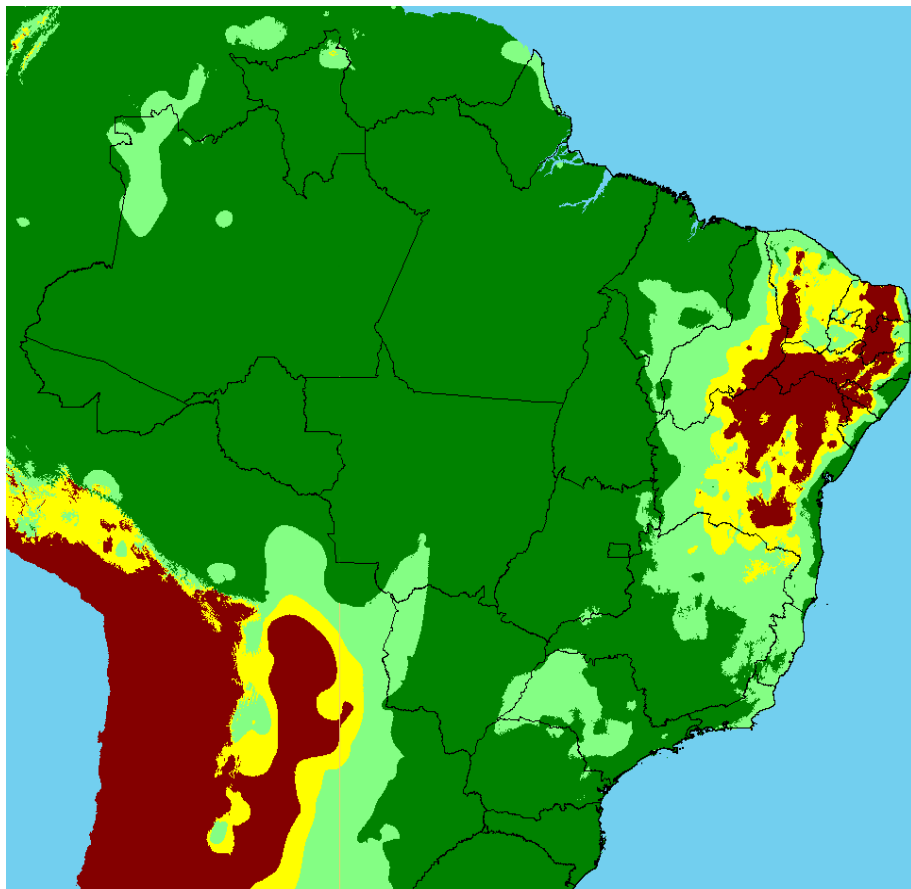
Precipitation seasonality



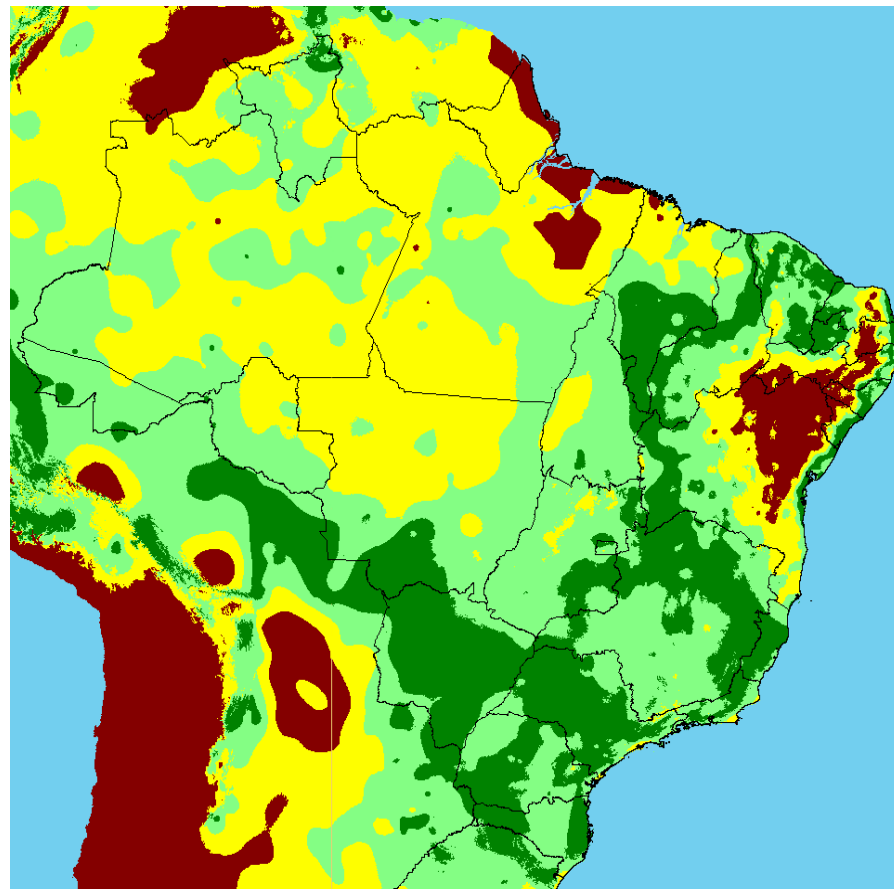
Min temperature coldest month



## ZONING FOR JATROPHA IN BRAZIL



Annual rainfall



Precipitation wettest quarter





# JATROPHA TIMELINE IN BRAZIL

## 2007 – 2010

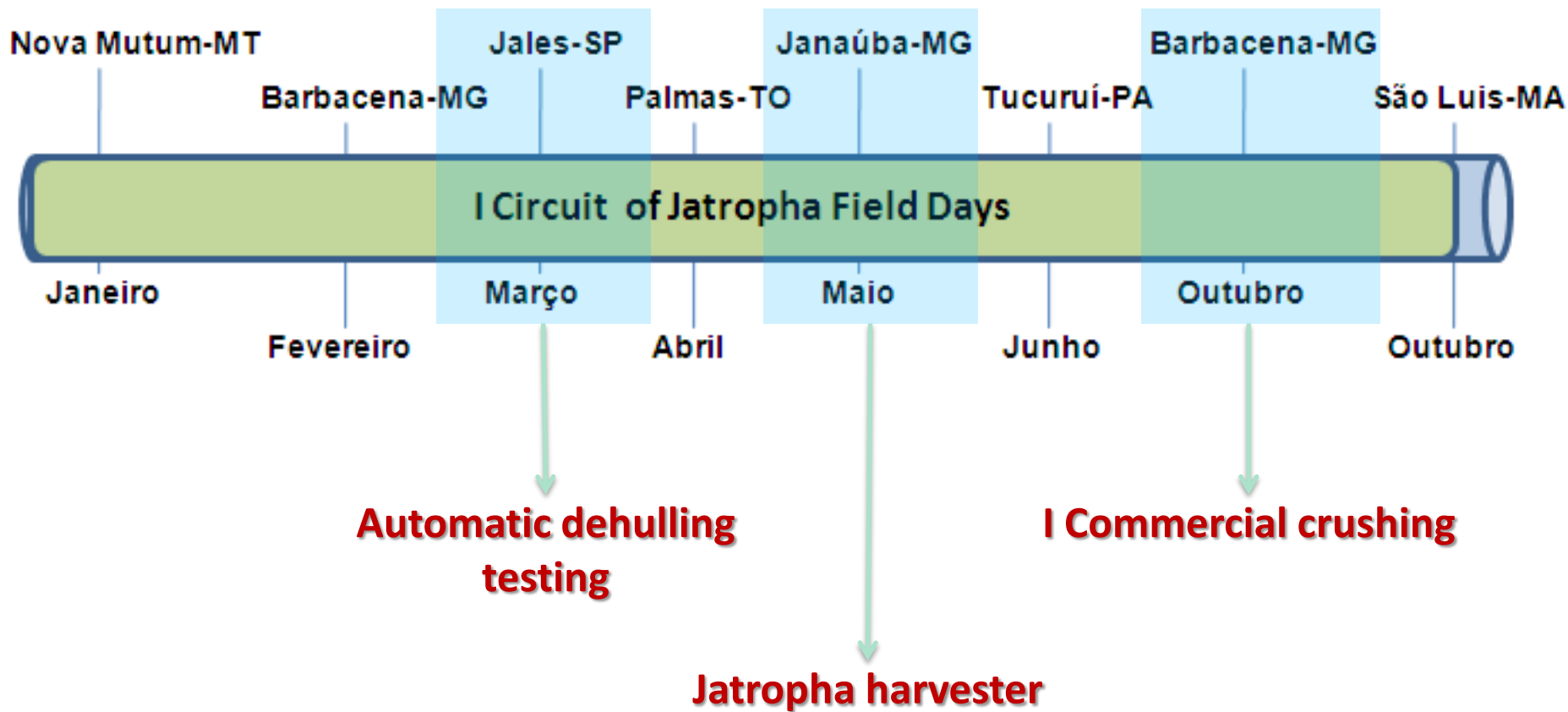
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# I Circuit of Jatropha Field Days



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## Dehulling machine Jales/SP stage



# ABPPM

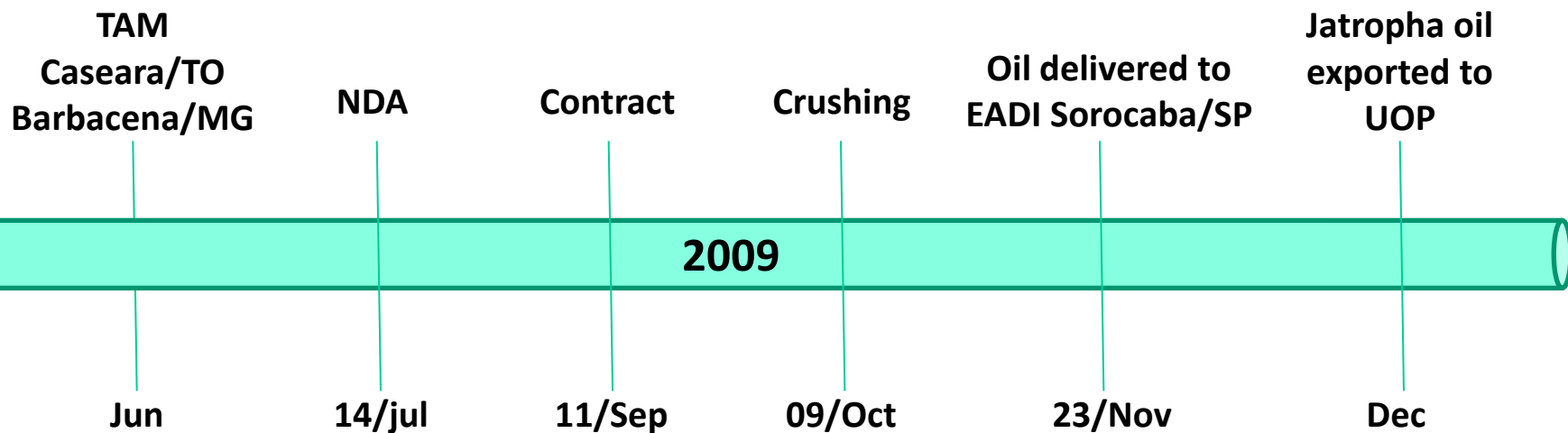
associação brasileira dos  
produtores de pinhão manso

## Jatropha harvester testing Janaúba/MG stage





## Brazilian Biokerosene Platform events



# I Brazilian Congress on Jatropha Research

Nov 11<sup>th</sup>-12<sup>th</sup> 2009



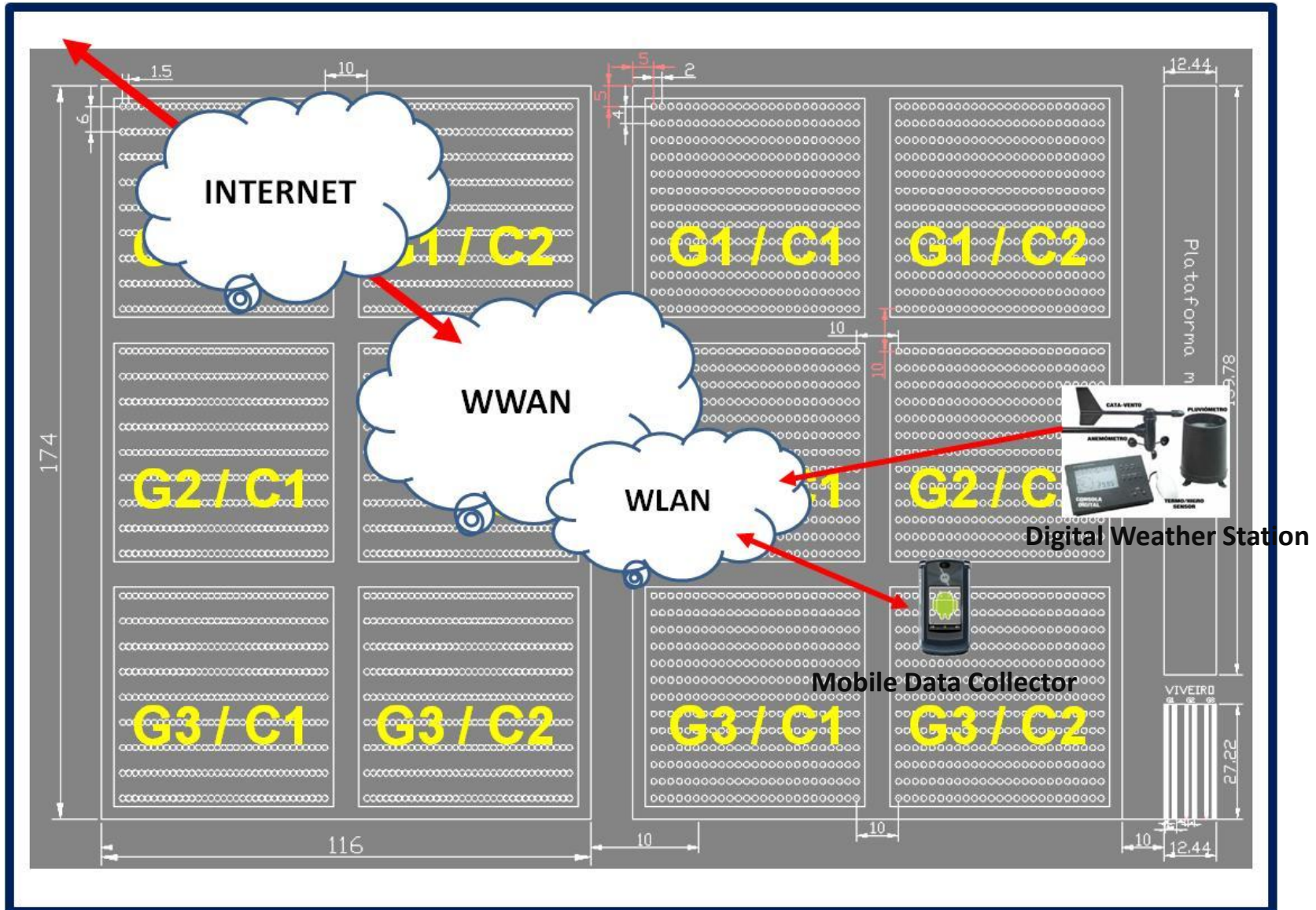
Reinhold Stephanes, Minister of MAPA at the time

# JATROPHA TIMELINE IN BRAZIL

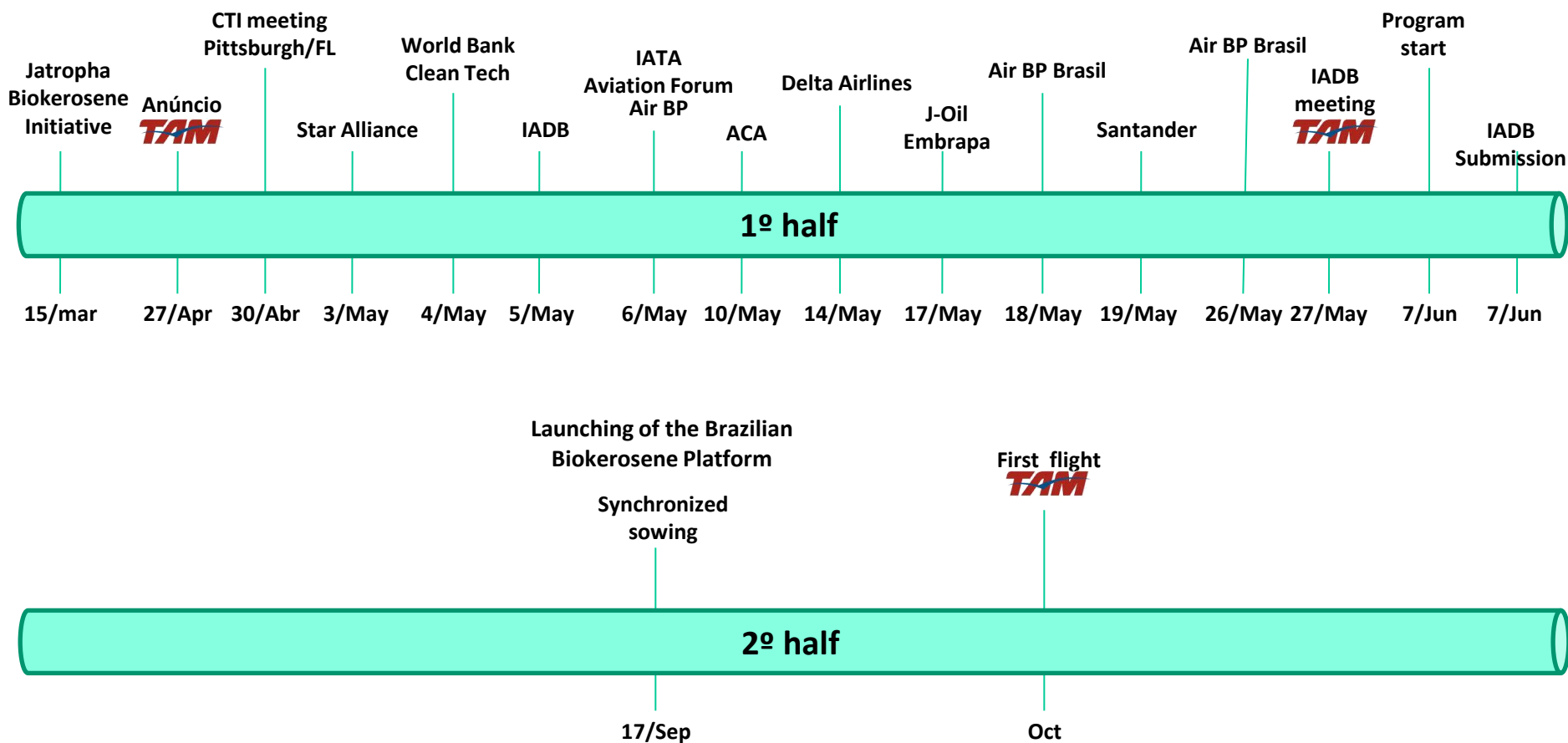
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## Observation Units Programme

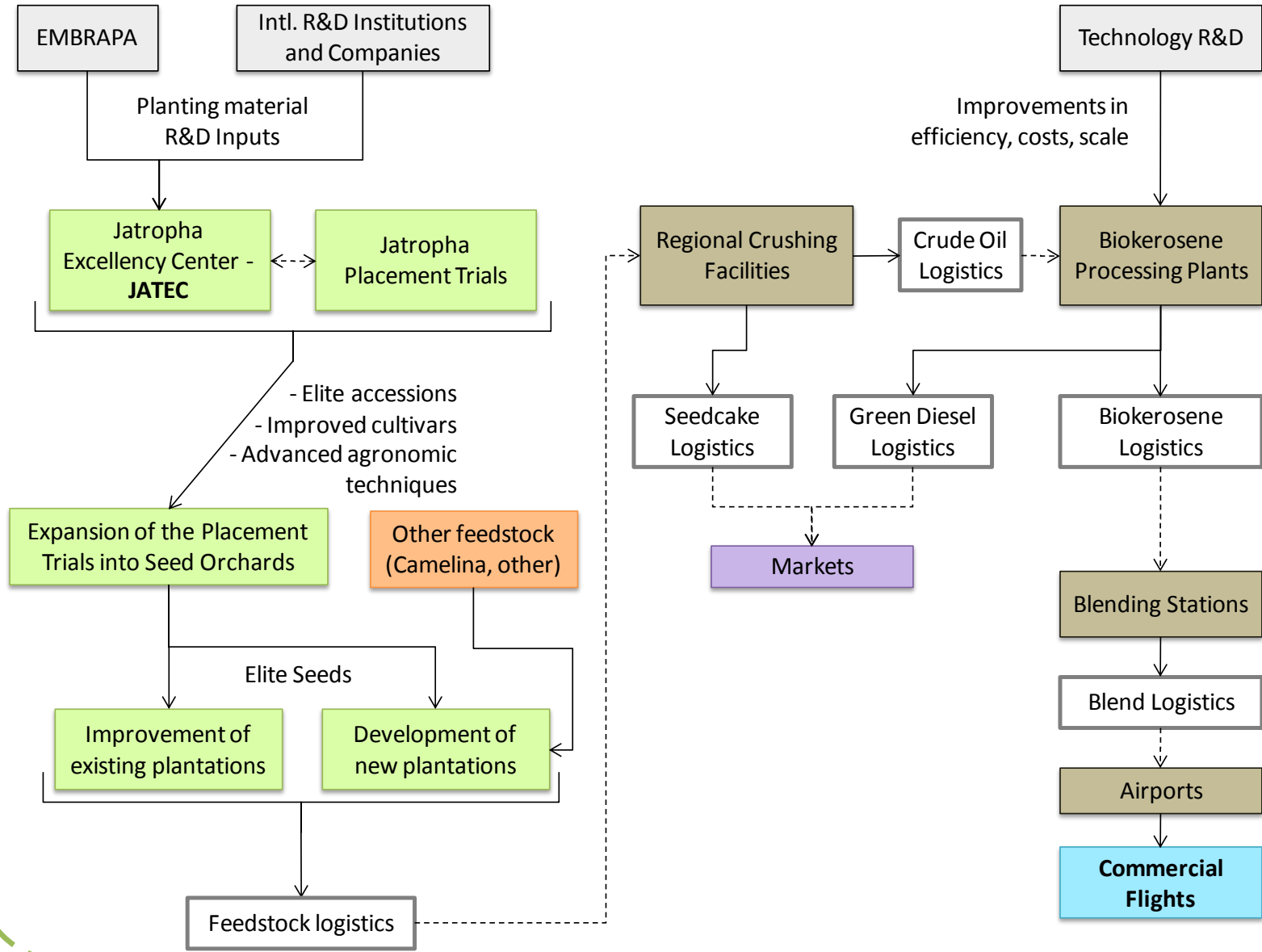


# Brazilian Biokerosene Platform events

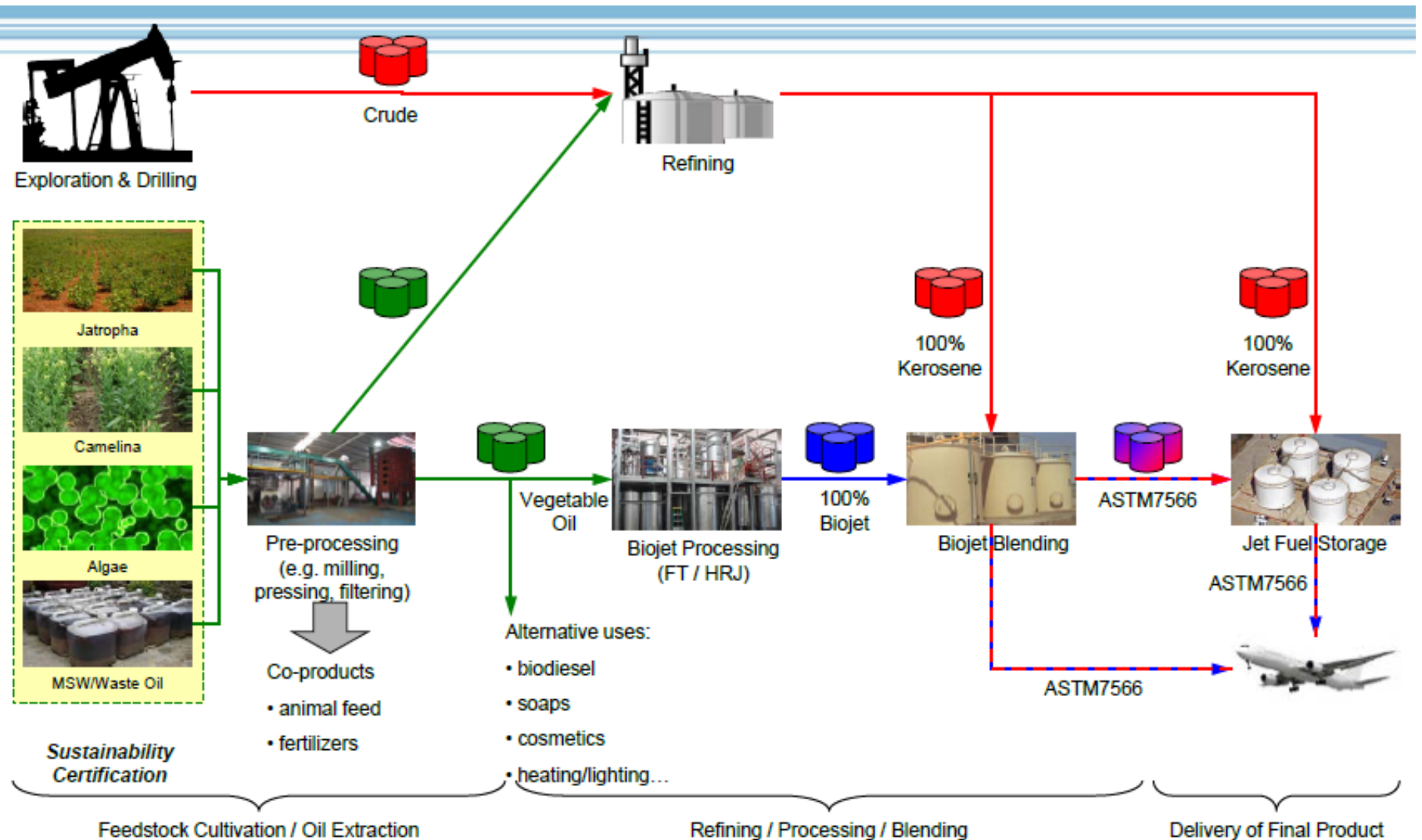




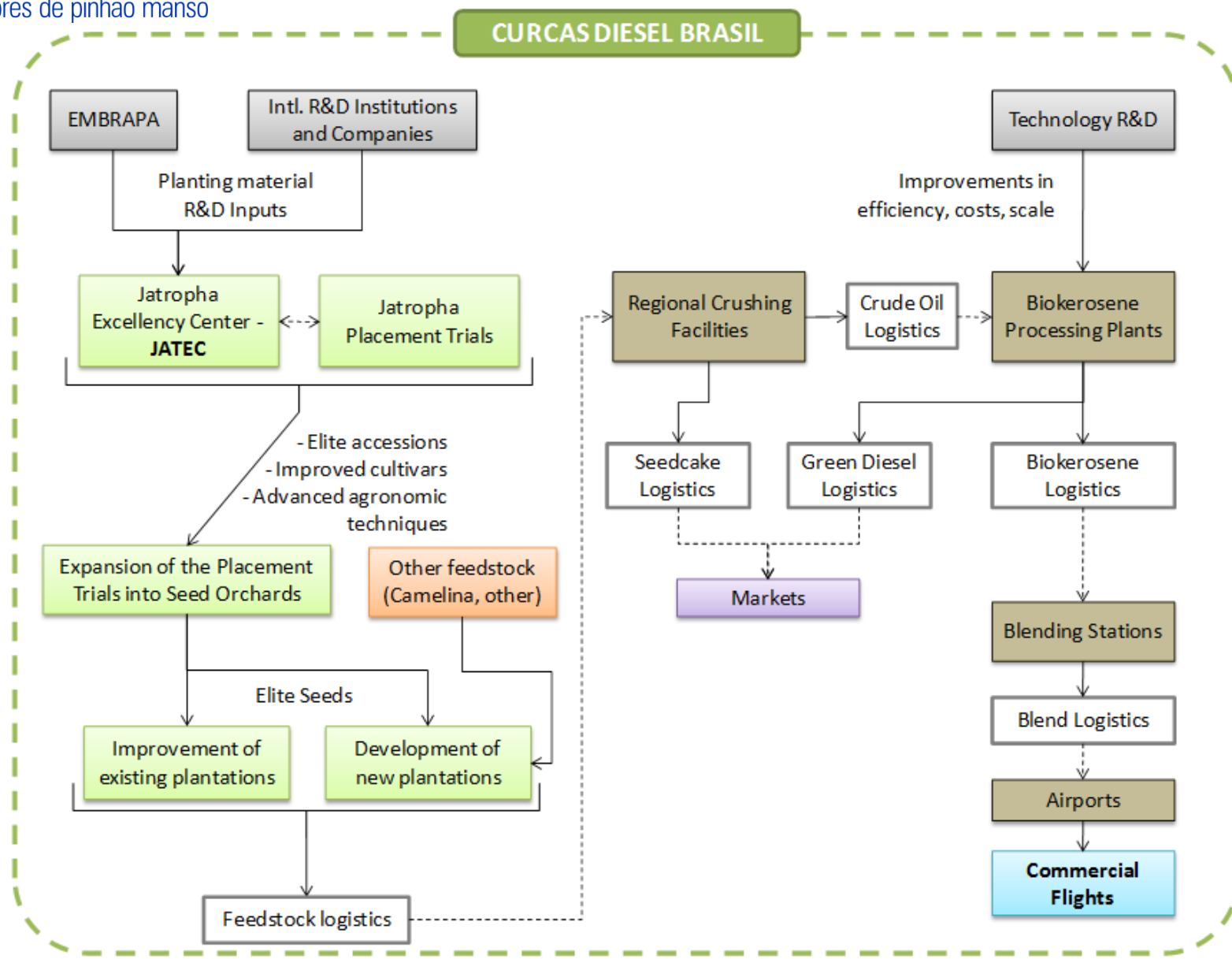
## Brazilian Biokerosene Platform



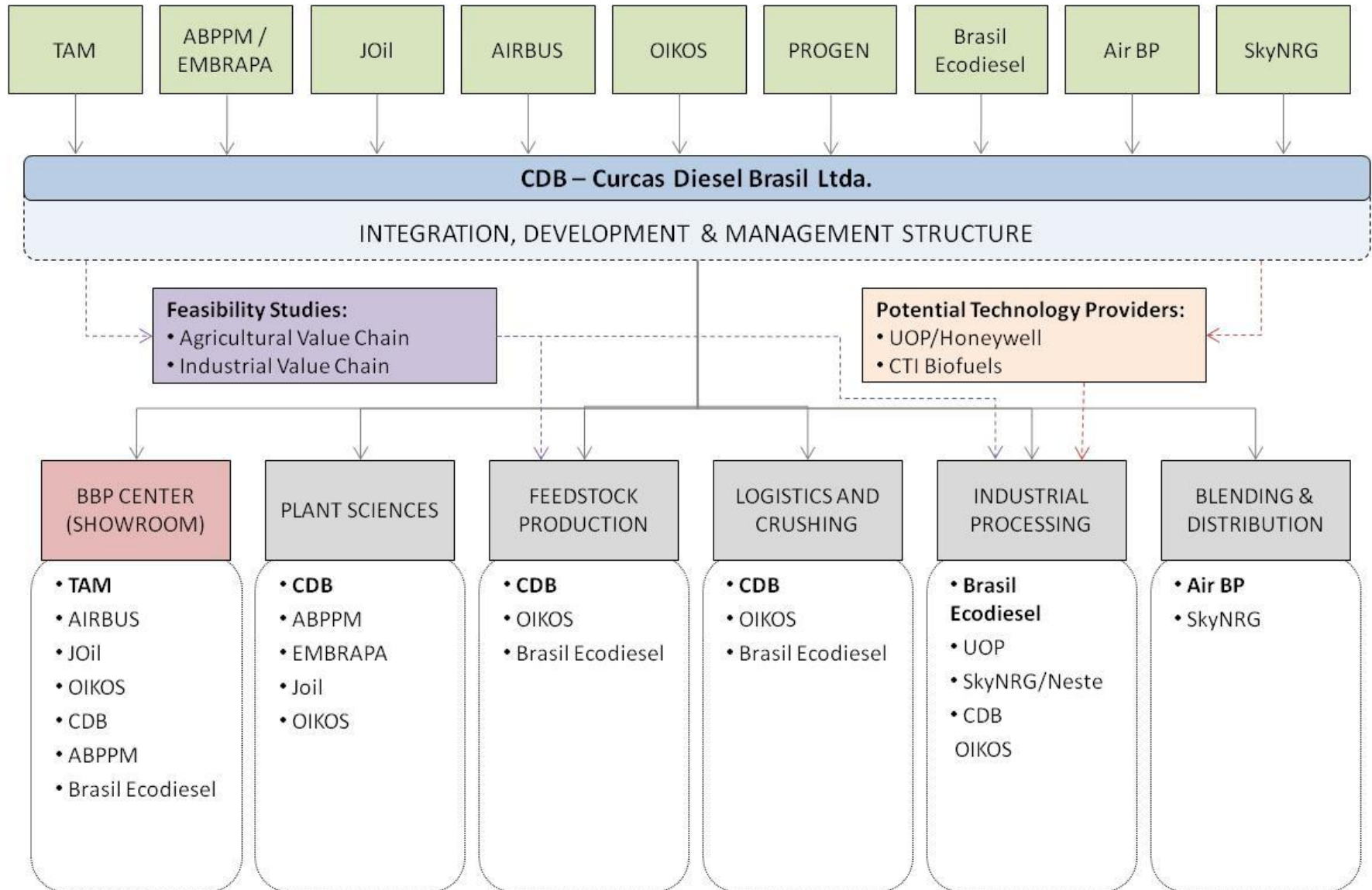
## Brazilian Biokerosene Platform



## BIOKEROSENE VALUE CHAIN



## BRAZILIAN BIOKEROSENE PLATFORM



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## TAM testing flight



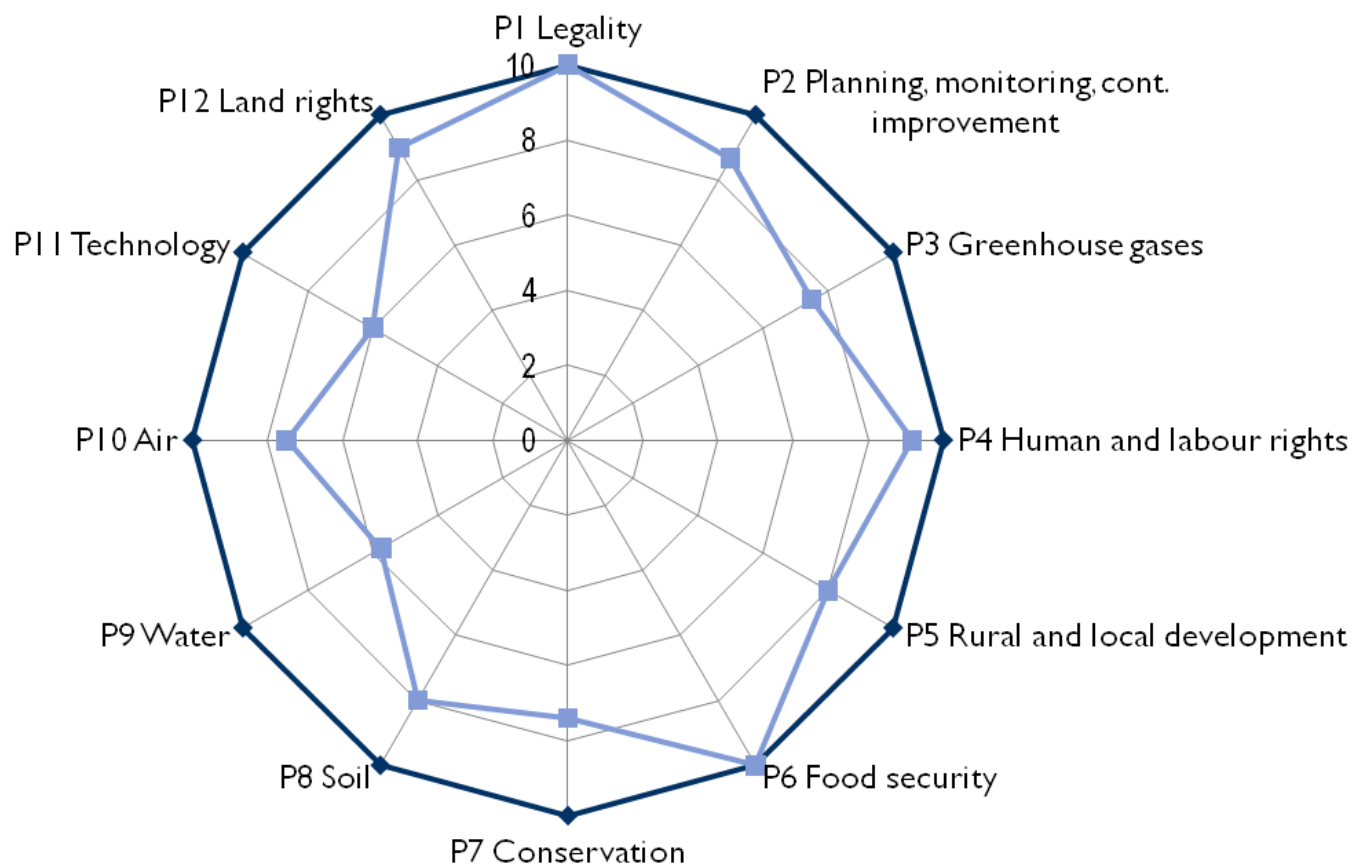


# JATROPHA TIMELINE IN BRAZIL

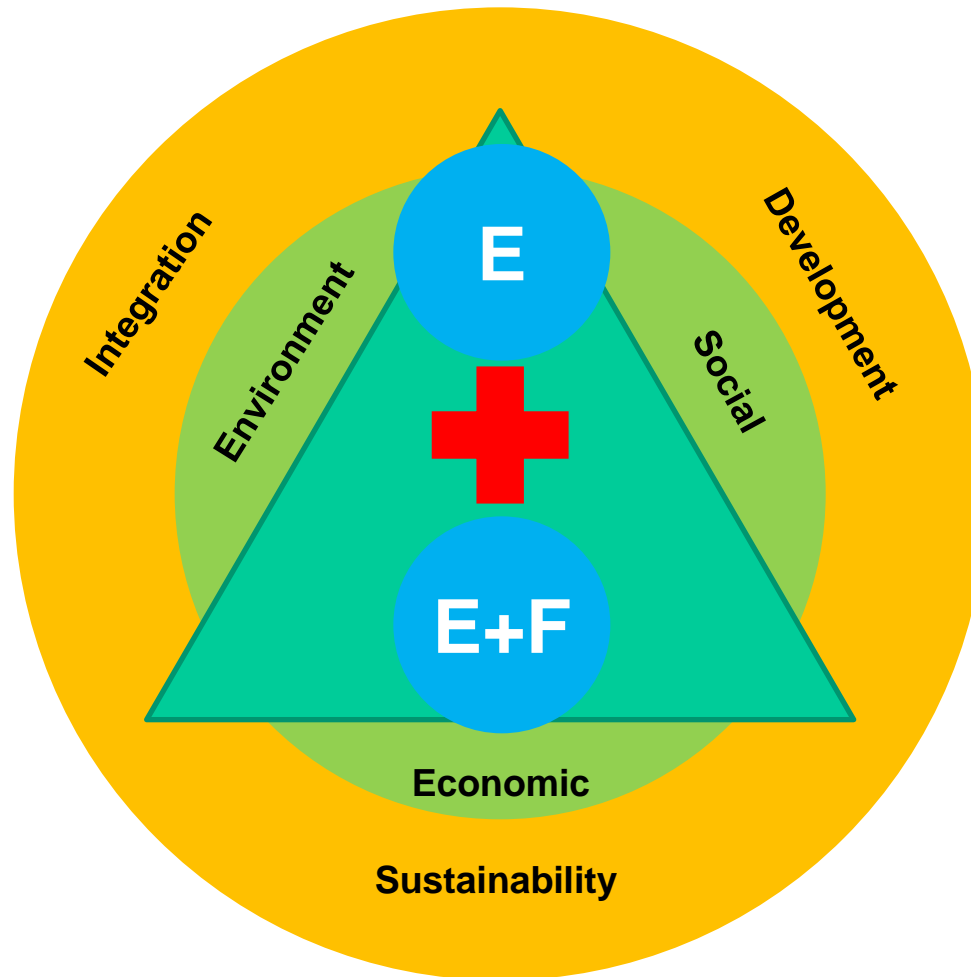
## 2011 – 1<sup>st</sup> half

Jan	Colatina field day – Novabra 25,000 hectare program with Family Farmers, and installation of the Jatropha Platform in the State of Espírito Santo
Feb	Mechanization testing with improved TDI harvester at Bioauto and crushing facility in Nova Mutum, MT. INOCAS joins the Brazilian Biojetfuel Platform to assist in the compliance program of Jatropha plantations according to RSB criteria
Apr	Quinvita joins the Brazilian Biojetfuel Platform to support improvement of Jatropha production systems through selected genetic material, and technical assistance. Potential deployment of a Jatropha seed cake detoxification unit with Quinvita technology for animal feed
May	Piracuruca, PI field day – extensive plantation 10,000 hectare project, with the commitment from State Government to install a Jatropha Platform Global Biojetfuel Platform – global sustainable Jatropha oil supply chain, with the integration of the Brazilian Biojetfuel Platform supply capability to Asia, Africa, and America for IATA CNG
Jun	Humanidades joins the Brazilian Biojetfuel Platform focused on the change culture and education EMBAPA AGROENERGIA identifies nontoxic Jatropha

## INOCAS RSB Criteria



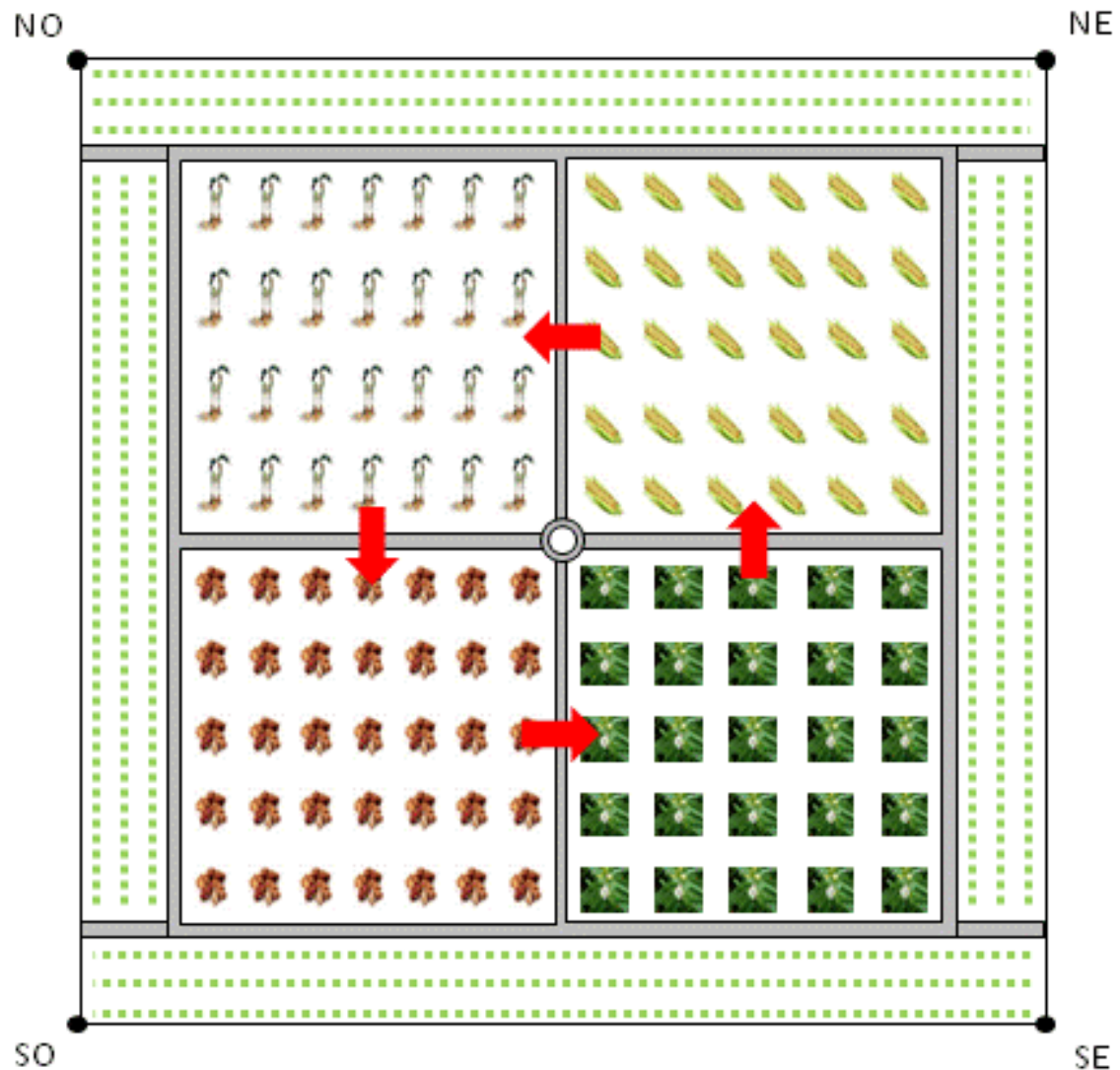
## HUMANIDADES Change of paradigm



- Focused on next generation
- Intercropping food+energy

## BOUNDARY CROP – SCC

- Cartesian System
- Intercropping energy with food, providing mutual benefits to the crops
- Crop rotation for soil improvement
- Cross breeding



## **JATROPHA TIMELINE IN BRAZIL**

### **2011 – 2<sup>nd</sup> half**

#### **II Circuit of Jatropha Field Days**

<b>Aug</b>	<b>FIESP International Energy Summit in Sao Paulo – SP, Brazil</b>
<b>Sep</b>	<b>II commercial crushing</b>
<b>Oct</b>	<b>II Brazilian Congress on Jatropha curcas L. Research, fully sponsored by the Brazilian Ministry of Agriculture, in Sao Paulo – SP, Brazil</b>



# R&D&I Program in Brazil

## EMBRAPA AGROENERGIA

Project	Focus	Time	Resources
Jatropha R&D&I aiming biodiesel production (BRJATROPHA/FINEP)	<ul style="list-style-type: none"> <li>-Genetic Resources</li> <li>-Breeding</li> <li>-Production system</li> <li>-Agro-processes</li> <li>-Cross sectional studies</li> </ul>	2010 – 2013	R\$ 6,860,238.00  ( aprox. US\$ 4,400,000.00)
Jatropha Curcas: Applied and technological research on plant traits (JATROPT/UE)	<ul style="list-style-type: none"> <li>-Breeding</li> <li>-Gene</li> <li>-Production System</li> </ul>	2010 – 2014	€ 260,693.67 (EMBRAPA)

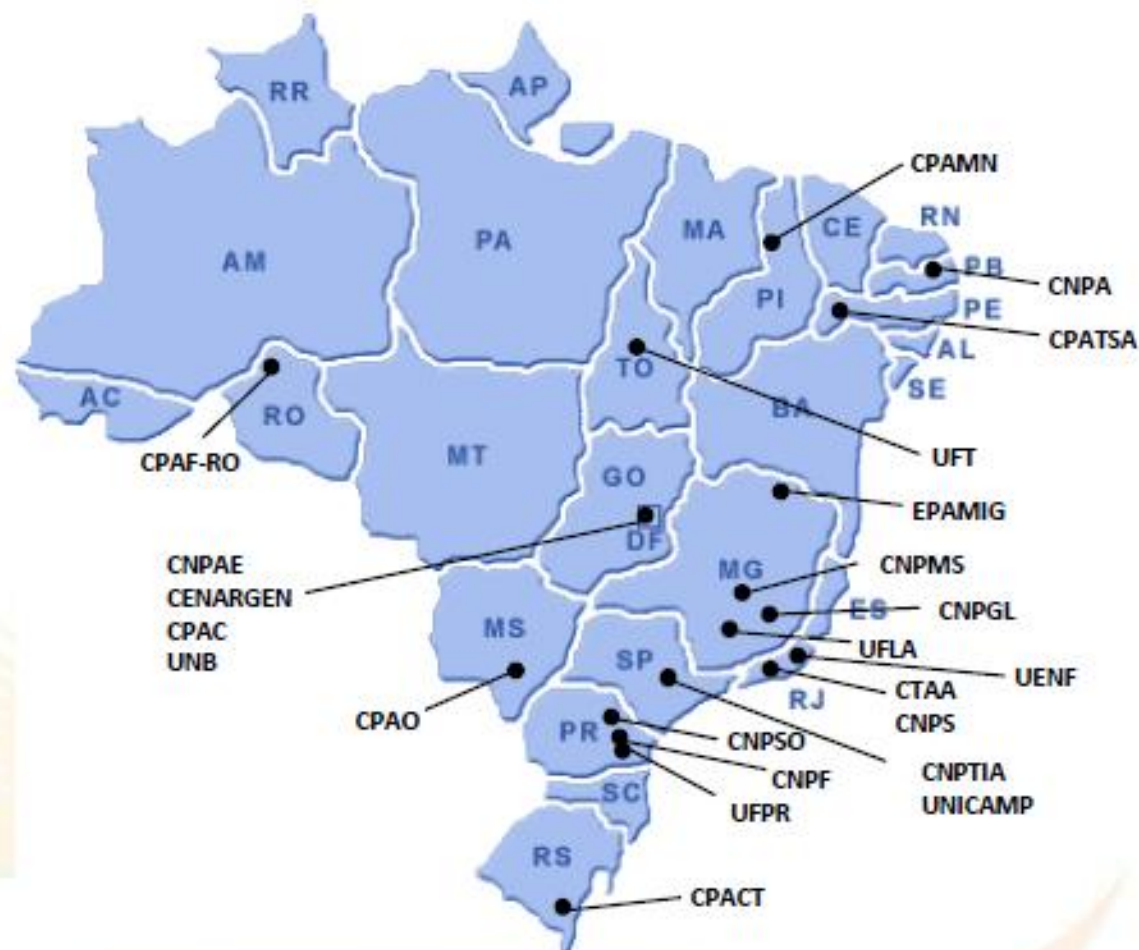
# R&D&I Program in Brazil

## EMBRAPA AGROENERGIA

### Institutions involved

- 1- Embrapa Agroenergia – CNPAE
- 2- Embrapa Meio Norte – CPAMN
- 3- Embrapa Gado de Leite – CNPGL
- 4- Embrapa Agroindústria de Alimentos – CTAA
- 5- Embrapa Informática Agropecuária – CNPTIA
- 6- Embrapa Cerrados – CPAC
- 7- Embrapa Clima Temperado – CPACT
- 8- Embrapa Rondônia – CPAFRO
- 9- Embrapa Agropecuária Oeste – CPAO
- 10- Embrapa Milho e Sorgo – CNPMS
- 11- Embrapa Florestas – CNPF
- 12- Embrapa Solos – CNPS
- 13- Embrapa Algodão – CNPA
- 14- Embrapa Semi-árido – CPATSA
- 15- Embrapa CENARGEN
- 16- Universidade Estadual do Norte Fluminense – UENF
- 17- Universidade Federal do Tocantins – UFT
- 18- Universidade de Brasília – UNB
- 19- Universidade Federal do Paraná – UFPR
- 20- Embrapa Meio Ambiente
- 21- Universidade Federal de Lavras – UFLA
- 22- Empresa de Pesquisa Agropecuária de Minas Gerais – EPAMIG

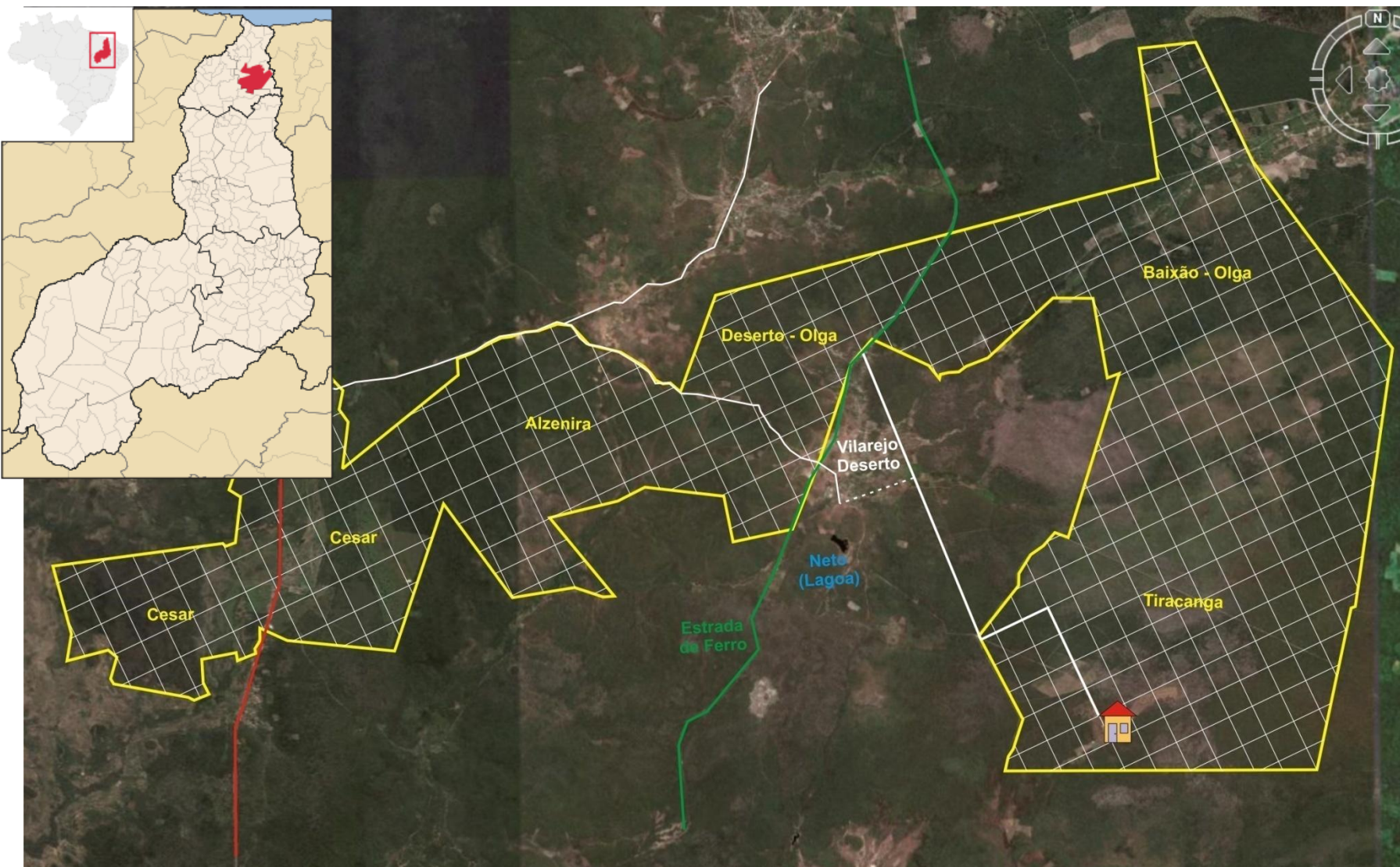
126 research activities



# Observation Units Programme

**Brazilian MAP with UOs**

## CNAGA – Piracuruca/PI





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## CNAGA – Piracuruca/PI





## Nòvabra – Colatina/ES

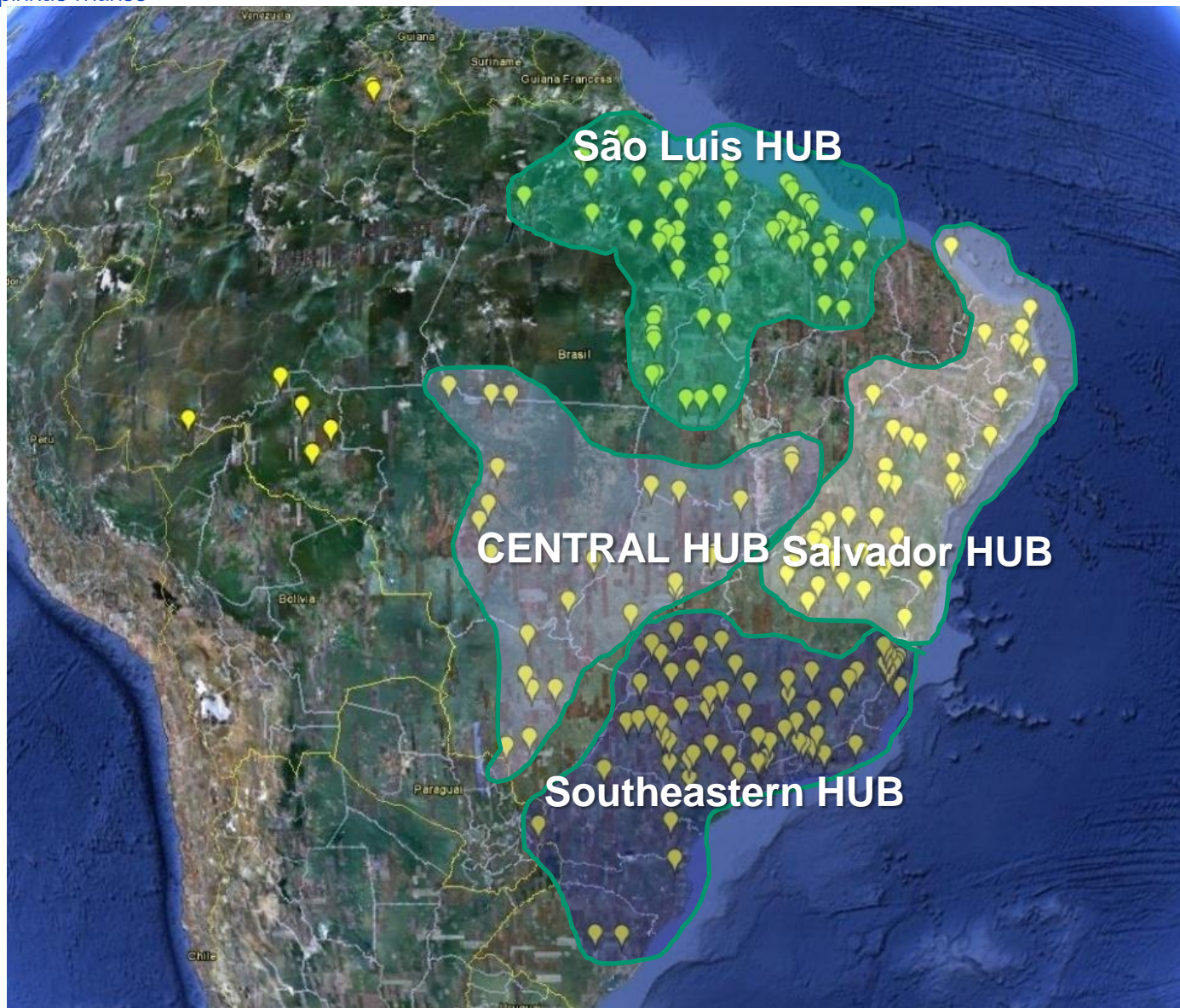




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## BRAZILIAN HUBS BIOKEROSENE PLATFORM



# THANK YOU!

**Mike Lu - President**  
**presidencia@abppm.com.br**  
**Cel: +55 11 8438 3663**  
**São Paulo / Brazil**



# Nova Mutum/MT



# SÍTIO CURCAS – JALES/SP





# SÍTIO CURCAS – JALES/SP





# Saudibras – Caseara/TO

