

# Brazilian Agribusiness: "The food production country"

	Orange Juice	Sugar	Coffee	Beef	Soy Complex	Poultry	Maze	Pork Meet
Export	1st	1st	1st	1st	1st	1st	2nd	4 <sup>th</sup>
	80%	46%	27%	20%	40%	34%	18%	9%
World Production	1 <sup>st</sup>	1st	1st	2nd	2nd	3 <sup>rd</sup>	3rd	4th
	57%	22%	35%	16%	31%	15%	7%	3%

Source: USDA (Mar/14). Nota: safra 2013/14 e 2013 para as carnes. Elaboração: GV Agro

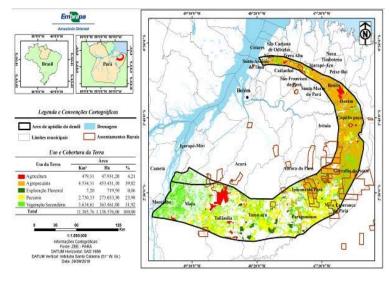
# Oil Palms: Where in Brazil Oceano Roam Roam

# State of Para Ecological, Economical Oil Palm Zoning

Total area: = 2,325,000 ha

Highly suitable area: 1,138,000 ha

Total suitable area in Brazil: 31,000,000 ha



Source: www.planalto.gov.br/ccivil\_03/\_Ato2007-2010/2010/Decreto/D7172.htm

# Oil Palm/Palm Oil current status in Brazil

Total area*	161,782 ha		
Smallholders	27,562 ha		
number of families	1,070		
Direct Jobs**	20,607		
CPO production forecast 2014	416.323 MT		
Palm products importation forecast 2014	600,000 MT		

168% growth in the past 10 years

36% growth in the past 5 years

Average growth of 9% per year

Source: ABRAPALMA. (\* and \*\*) members of ABRAPALMA, USDA, Alice Web/MINDIC

# Why such a huge area and little investments?

- Constraints:
- Rigid environmental laws requiring statutory forest reserve of 50% out of the total area, or more.
- Need for maintenance of riparian forests in all watercourses, ranging from 30 to 100 meters each side depending on the watercourse width.
- Difficulties in land records and registration within the local authorities and agencies.
- Prohibition on land purchase by foreigners since August 2009.
- Rigid and expensive labor laws that make Brazil the highest labor cost place among the 44 countries growers of oil palm, reaching US\$ 14,000 per harvester per year.

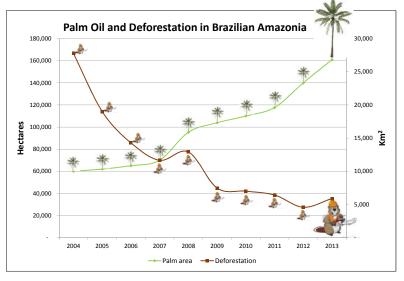
# ...and how to be profitable?

- Investments in training and social benefits for the works. Self productivity must be as high as possible.
- Mechanization.
- Market protection: 10 % import tax for CPO coming from any country outside the MERCOSUR.
- Heavy investments in sustainability that translates in higher selling price (premium)

Some producers have managed to increase labor productivity from 8 to 11.7 hectares per worker, a gain of 46.3% in the past 10 years. The goal is 1 per 15 ha in 2024 (28% growth) due to mechanization.

# How to match Economy and Sustainability?

Palm oil plantations and deforestation evolution in Brazil



Sources: INPE (2014), for deforestation. Built with data from Embrapa, Oil World, IBGE and Abrapalma, for planted area.

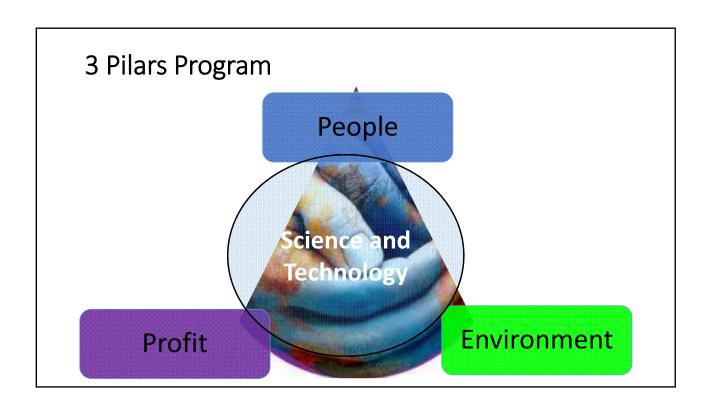
# How to match Economy and Sustainability? A case study of AGROPALMA in Brazil

- ➤ The program started in 1998 and these are the main topics covered since than:
- Technical certification to bring/spread knowledge and trust along the entire process such as ISO 9.001, ISO 14.001, ISO 22.000, FSSC-22.000-1 and OHSAS 18.001.
- Zero Deforestation public commitment set in 2001.
- Biodiversity identification and monitoring program started in 2004, in partnership with several NGOs and Universities.
- End of the use of contractors in 2007. Only direct workers are used.
- Strong social activities internally and within the surrounding communities.
- Training, productivity, mechanization and automation.

# AGROPALMA S.A.

### Overall information:

- 32 years investing in the Brazilian palm oil business.
- 40,000 ha of own oil palm plantations.
- 10,000 ha of oil palms in partnership with smallhorlders.
- 6 extraction mills (1 exclusively dedicated for organic palm oil).
- 2 refineries (one fully operating and another one under construction) including CPO and PKO fractionation, shortenings, margarines, intersterefication, sterification and hydrogenation.
- 100% RSPO certified.
- Brazilian, privately owned.



People: Food, Transportation, Health care, housing, education, etc.

























People + Economic: Smallholders / outgrowers, training courses, Women's Union, technical assistance, health care







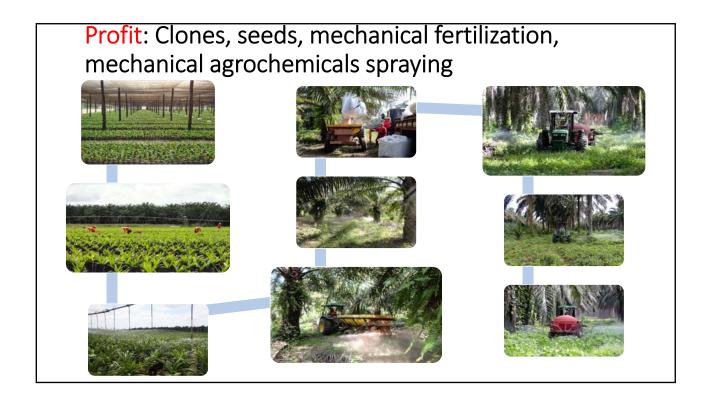








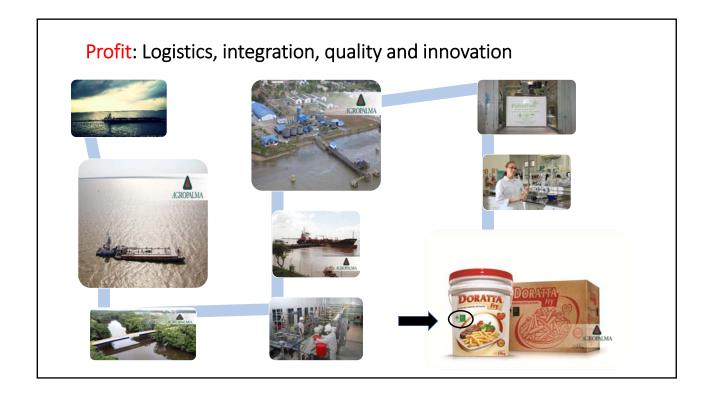




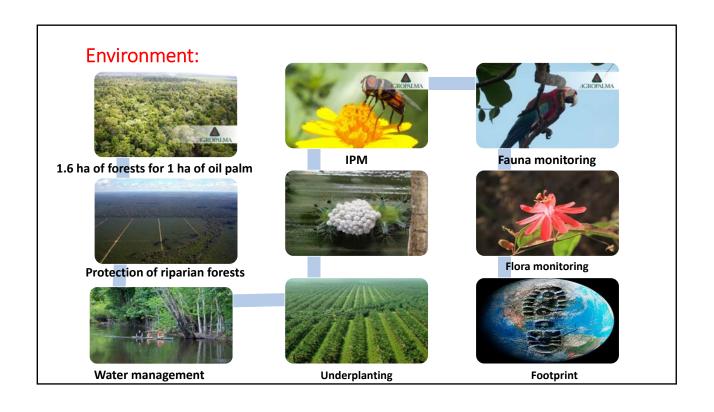


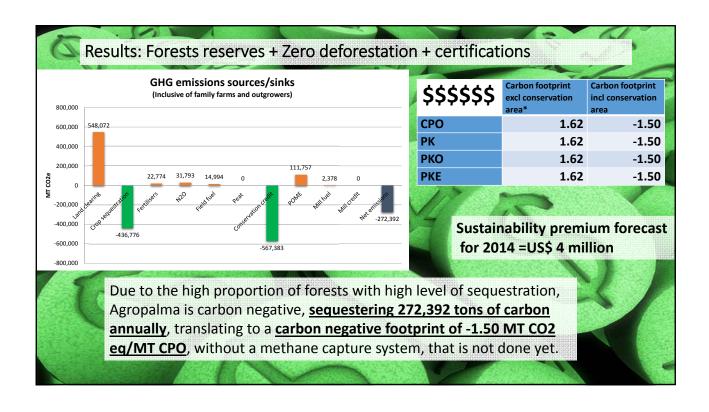
# Savings/year after mechanization

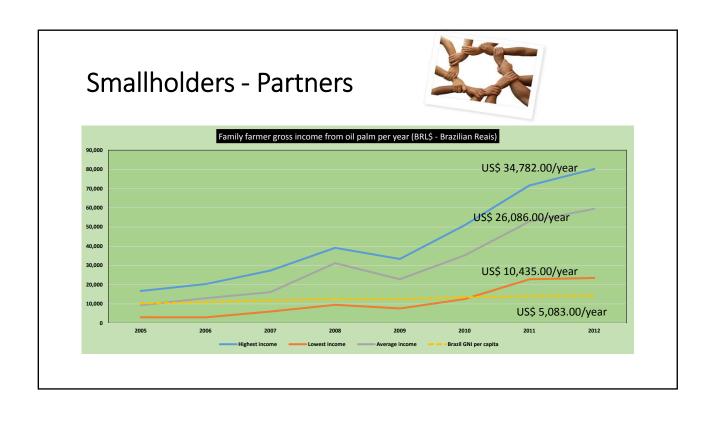
- Road maintenance: US\$ 107,623
- Mineral fertilization: US\$ 235,875
- Weed management: US\$ 380,000
- Mechanical slashing/Pruning: US\$ 270,000
- FFB collection: US\$ 1.5 million
- Organic fertilization: US\$ 753,363
- 10% less workers: US\$ 4.4 million
- Total: US\$ 7.7 million/year = US\$ 46.70/ton CPO. This will more than double when the investment is finished











## **Conclusions**

- Brazil today is in-farm more costly when compared to SEA countries, but it has other advantages to be watched..
- how prepared are SEA to face increasing cost in the next 15/20 years? Will the cost structure be the same as today? What about labor?
- Agropalma proves that working with the right people, technology and sustainability is possible to be profitable in a high production cost environment.
- <u>REFLECTION</u>: Is the absence of labor in Malaysia and in some parts of Indonesia really a lack of man power, or a lack of good working, social benefits and payment conditions?
- The market is there, open and hungry for people, companies and products that breaks paradigms. Tomorrow will be different from today.

YOU ARE ALL WELCOME IN BRAZIL!!

# Thank you.

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