

# NETZWERK – INNOVATION – SERVICE www.burg-warberg.de

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# Futtermittelhandelstag am 11./12. Mai 2016

"Marktentwicklungen in Brasilien – Sicherheit in der Supply Chain"

Augusto Freire







#### SOUTH AMERICA AND BRAZIL

Agriculture in South America is in general well developed, mainly in Brazil, Argentina, Paraguay, Uruguay, Colombia.

Export model is based on industrial agriculture highly mechanized and technical.

Brazil: South – family agriculture, coops Center-West – industrial agriculture

#### SOUTH AMERICA AND BRAZIL

Production costs lower than in America or Europe.

#### **BRAZIL**

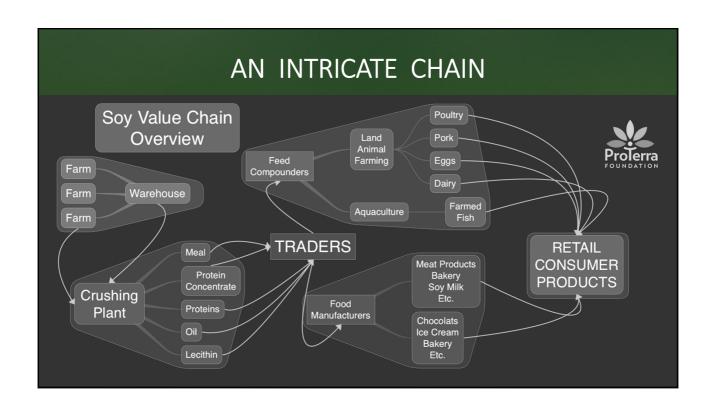
- Logistics is still less efficient, quality and scale compensate.
- 2-3 crops per year soy, maize, cotton.
- Non-GMO + GMO soy total 99 million MT 2015-16 about 10% Non-GMO ≈ 9.9 million MT:

#### SOUTH AMERICA AND BRAZIL

Corruption and political instability across the continent, with centre-left parties being replaced by right-wing parties - and in some cases ousted (Paraguay).

Political and internal economic crisis in Brazil has NOT affected agriculture and the export industry materially.

Commodity prices have fallen, following oil, but \$ has appreciated against local currencies such as the BRL.





#### **EUROPE**



Market conditions in Europe

Requirements: regulatory, social aspects, sustainability, Non-GMO market requirements, GMO Labelling regulation.

How will the market change in Europe?

### BRAZIL ←→ EUROPE MARKET CONDITIONS

New restrictions to South American soy based on assumptions and marketing directives not always realistic for all producing regions.



#### **EUROPE MARKET CHANGE**



Local soy higher cost in general lower protein.

Substitution is not proven to same efficiency.

No Board of Trade and futures market for peas, lupines, fava beans, etc.

### BRAZIL ←→ EUROPE MARKET CONDITIONS

Yield Intacta X Non-GMO premia – producers of GMO and Non-GMO state costs of production of GMO varieties including Intacta are more expensive.

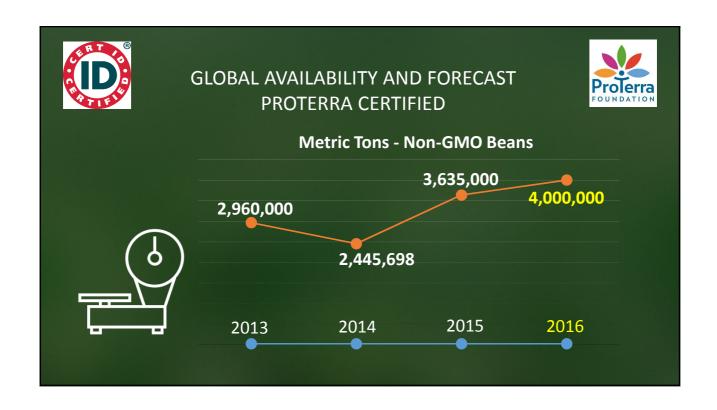
Problem is post-harvest handling of Non-GMO. Farmers must sell their Non-GMO productions fast, they will not afford costs of segregation for too long and might eventually commingle Non-GMO with GMO.

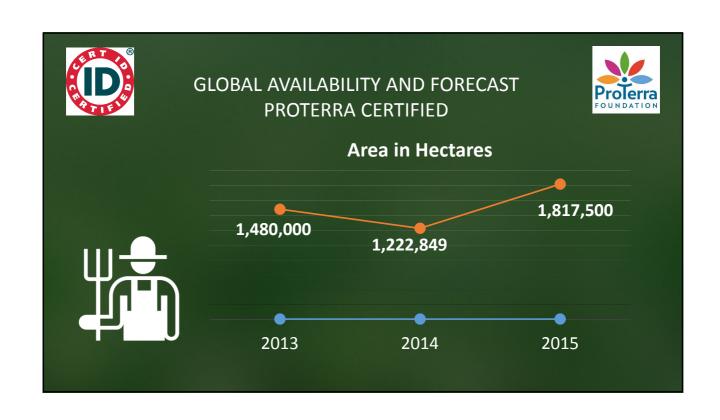




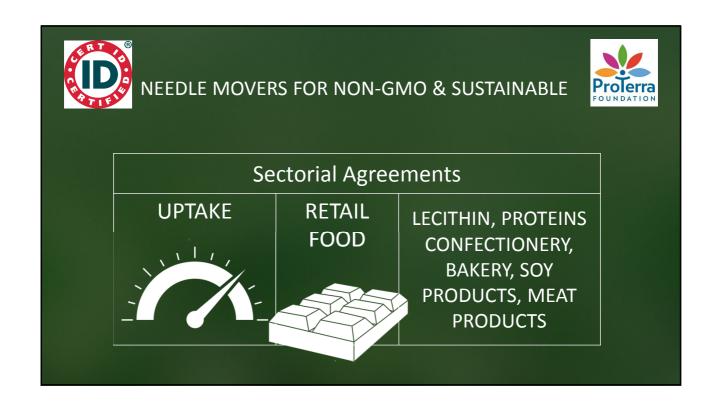


NON-GMO SOYBEAN SUPPLY (in MT) - GEOGRAPHIES									
	RU	FR	CA	BR	USA	TOTAL MT			
2013	0	5,000	25,000	2,930,000	0	2,960,000			
2014	20,000	5,000	20,000	2,400,698	0	2,445,698			
2015	30,000	5,000	20,000	3,560,000	20,000	3,635,000			













TRADERS, LOGISTICS



#### SOUTH AMERICA AND BRAZIL

Vast swaths of land under agriculture.

Brazil Center-West agriculture and Amazon Biome.

Sustainability – farm and not crop (added value).

Reduce use of pesticides and chemical fertilizers.

Reduce emissions, water pollution, decrease risk of scarcity of potable water.



## EUROPEAN PULL-THROUGH



Why ProTerra?

Protein production is the hub for global warming.

Need for sustainability globally.





#### STICHTING PROTERRA FOUNDATION

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