AGRIBUSINESS MEGATRENDS

IAMA World Symposium 2009 Budapest Ernesto Gallo Zamorano University Honduras

Antecedent

 Nasbiit Megatrends 1980s.
 Women in labor force
 G Becker household production of final goods.
 Impact on Agribusiness:
 Convenience. Time.
 Outsourcing Home Production Fast foods Ready to Eat Products



1

Agribusiness Megatrends Drivers



From the consumers' side (Demand)
From the firms' side (Supply)
From the Market Side (Institutions)

I. Demand Drivers

 Nine Americas and Povericum
 Hysteria and Hysteresis
 The 10 Fs of Agribusiness Demand

Demand Growth

■ NINE "Americas" Burke's "Americums": 350 million people income > US\$ 15,000 year China, India. 9 by 2020

American lifestyle

They Demand: Fruits, Meats, Electricity, Heating and Cooling, SUVs, Hummers, etc

Povericum

 Rural Poverty
 World Labor Force
 in Agriculture. 39%
 Their Contribution
 to World GDP 3%
 Urban Poverty







Agriculture Low GDP

250

200

100

Global food consumption price index and

FAO food price index *

Global food consumption price index

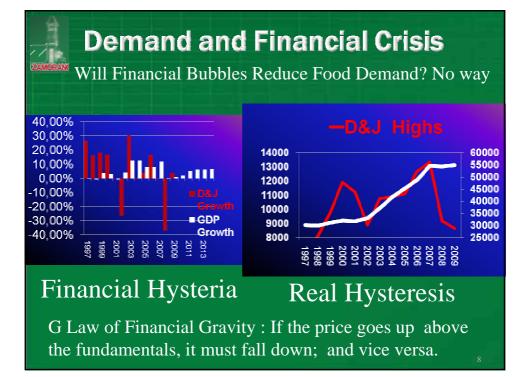
See page 89 for methodology

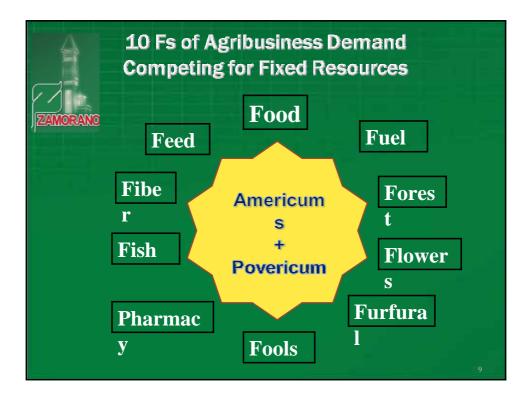
FAO food price index

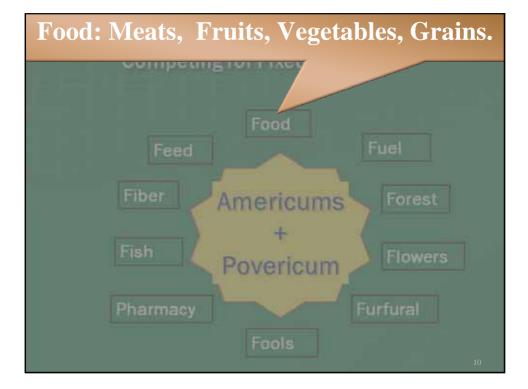
Global
Food Abundance
Local
Food Scarcities
Low Relative Prices.
2008 rise in prices.

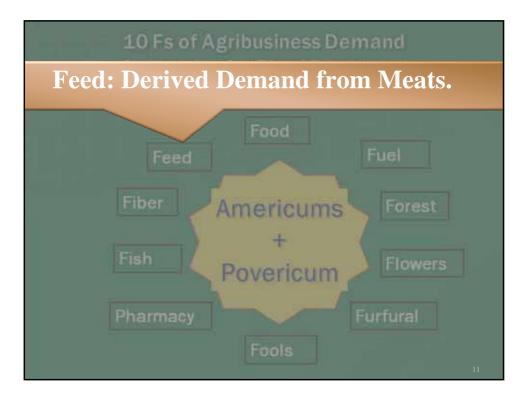
Ratchet effect

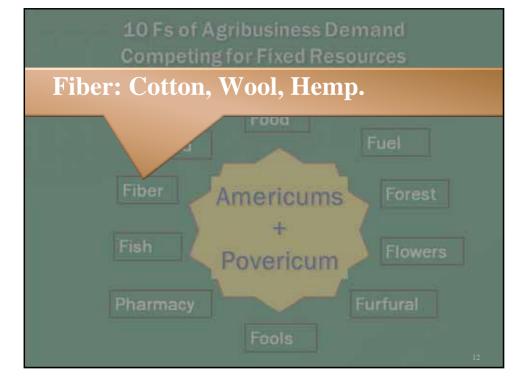
Urban Poor: Exports Prohibition

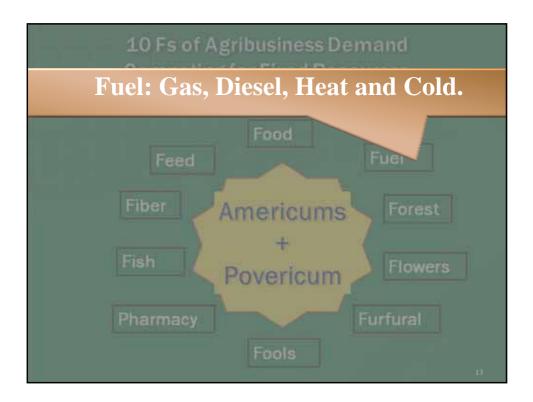


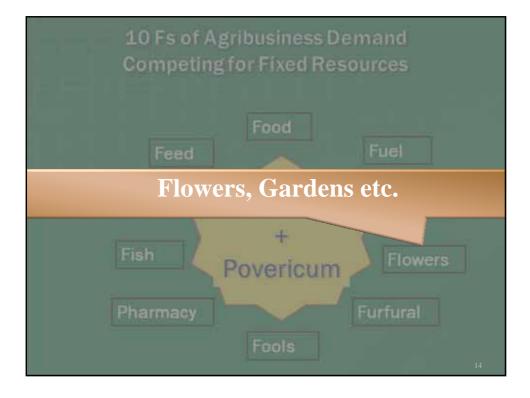


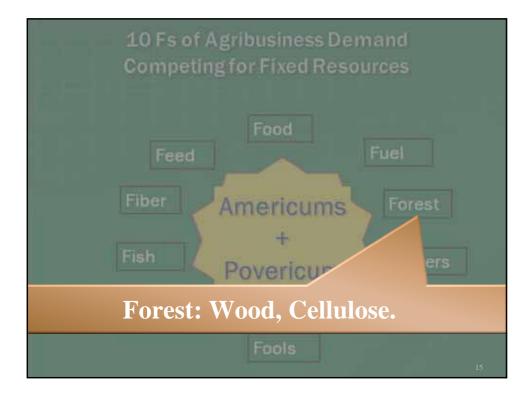


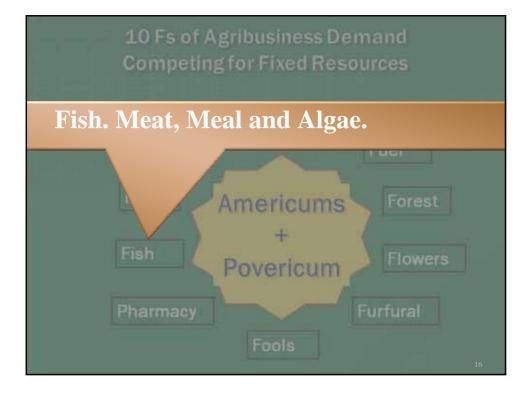








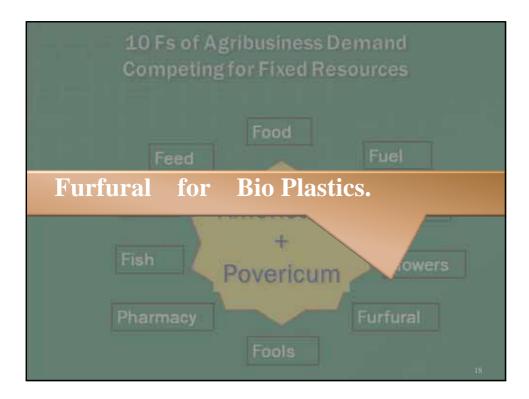


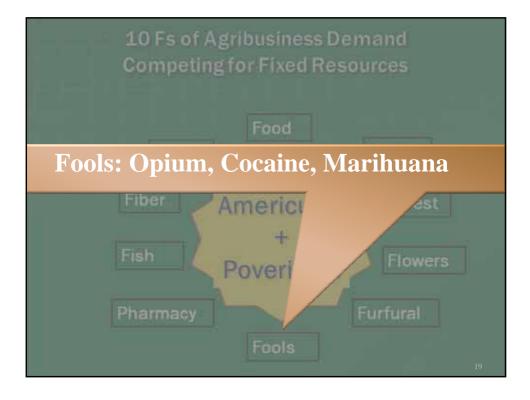


10 Fs of Agribusiness Demand Competing for Fixed Resources

Pharmacy: Goldberg Agriceuticals

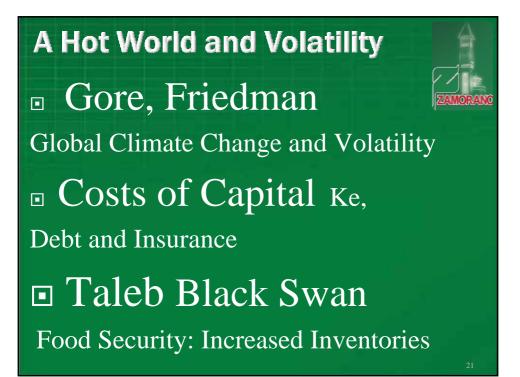


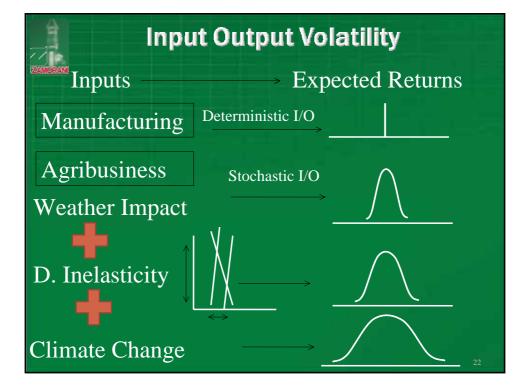




II. Supply Side Drivers

Climate Change, Volatility, Ke
 Protected Agriculture
 Aquabusiness and the Sea
 The Future Energy Portfolio
 Sciences Synergy
 Farm vs Firm Approach
 Countries Buying Countries



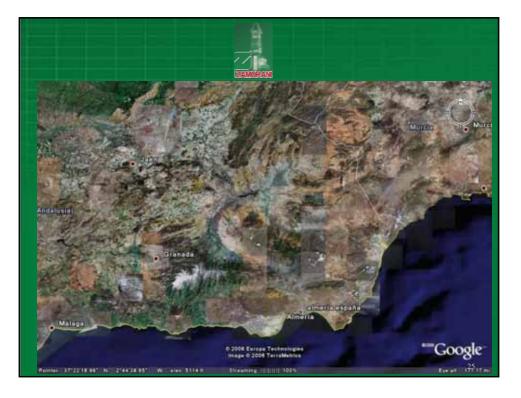


Protected Agriculture



Animal Production. "Animal Factories"Lower risk.New HVAP greenhouses.Almeria Case:60,000 acres under roof













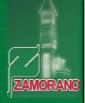




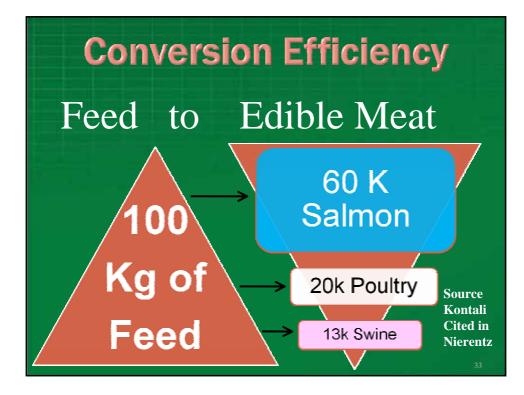
Aquabusiness

Efficient protein foods for human consumption.

Knowledge from animal production







Aquabusiness Sources of Competitiveness



Extractive fishing is like agriculture 10,000 B.C. Now 50% of fish is cultivated. In China 70% Fish Low energy consumption. Float . Less skeleton Thermo regulation

Tilapia: The Aquachicken

Eats vegetal proteins, no fishmeal Good

-Conversion -Taste -Color -Oils Omega 3 -Proteins



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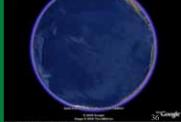
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The Sea

Foods, Fuel, Fs Sea Farms and Sea Highways Sea Grant Univ. Living Space FRESH WATER





The Energy Portfolio

Dirty Fuels from Hell Oil, Carbon



Friedman

Clean Fuels from Heaven
 Biofuels, Sun, Wind,
 Gravity, Hydrogen

Sin' Tax t to Fuels from He

Sciences Synergy

Biotechnology
Nanotechnology
Information (IT)
Strategic Management 1+1+1+1 >> 4



Firm vs Farm Approach

 No More Paternalism. Millennium Challenge Account Paradigm.
 Goldberg System Approach. Lead by big companies .
 Subsidiary provision of resources
 Farmer contribution will be land and labor paid at market value.

Countries Buying Countries

FAO report danger of Neo Colonialism

"Buyers" needing
 Land Europeans China
 South Korea, Arabs.

"Sellers" : Madagascar case

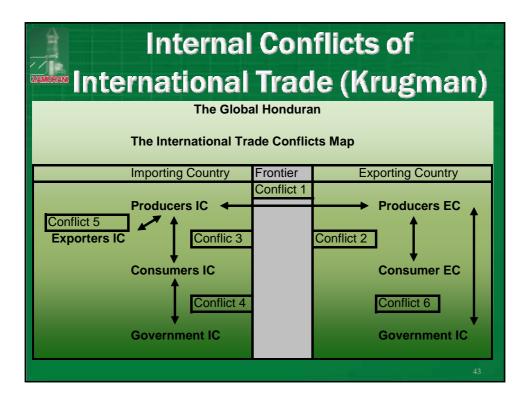


 III. Market Drivers
 Freer Agricultural Trade
 New Logistics Paradigms
 Contribution to the economy from the
 Basis of the Pyramid

Freer Agricultural

■ Trade ■ The Fall of Protectionism European Sugar, USA Textiles ■ Krugman: Trade Conflicts are

more National than International.
Free Trade will not solve Povericum agricultural problems

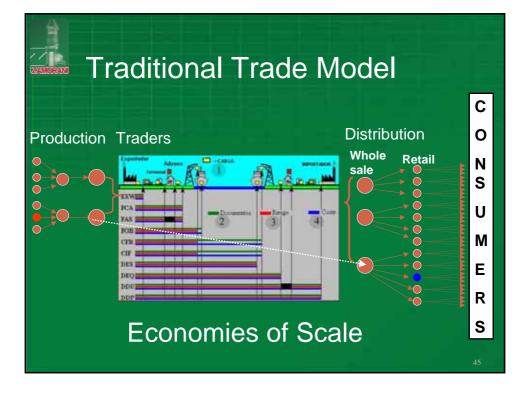


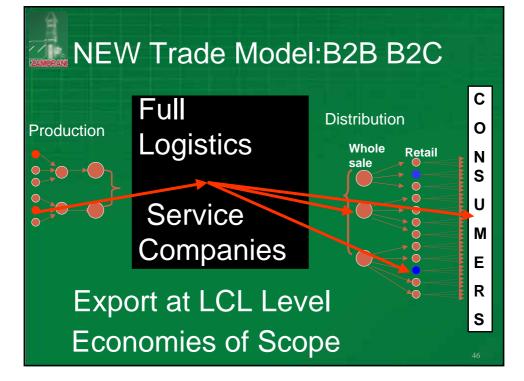
New Logistics Paradigms

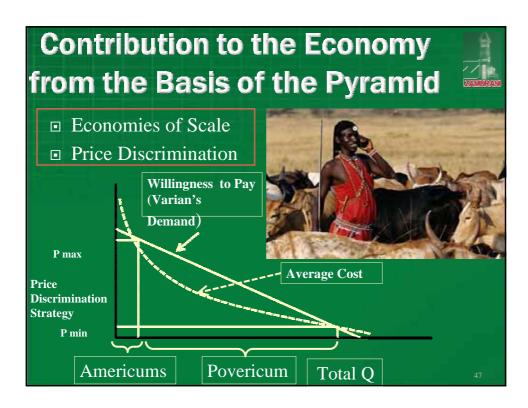
• Vessel: Big Importers Exporters

- □ Containers of fruits: B2B
- Pallets or Boxes, B2C

Full Logistics Service: Consolidation of small shipments Economies of Scale and Scope







Agribusiness Education Implications



Goldberg, IAMA Founder : (In 1959...) "The word 'business' implied a managerial approach to it and, I think that we wanted people to understand that the farmer was a sophisticated part of our economy, not ... someone who wasn't well educated, that didn't worry about technology, that wasn't up to date about the changes that were affecting his/her farm, but was very much a changemaker". (Boland-Gallo). Agribusiness Education Less "farm", more "firm". A bit less policy, more strategy Wider Knowledge More Human Virtues Magnanimity Solidarity World Class



THANK YOU

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