

A vibrant still life composition of various food items. In the foreground, there are piles of almonds and green lentils. The middle ground is filled with a variety of fruits including apples, bananas, a pineapple, a cantaloupe, and grapes. Vegetables like broccoli, red bell peppers, and a carrot are also visible. In the background, there are several types of bread, including a round loaf and some braided rolls. A glass of white milk and a wedge of Swiss cheese are placed on the right side. The entire scene is set against a dark background, making the colors of the food stand out.

FOOD FOR A CIVILIZED HUMANITY

**Presidential Special Envoy for
Poverty Alleviation**

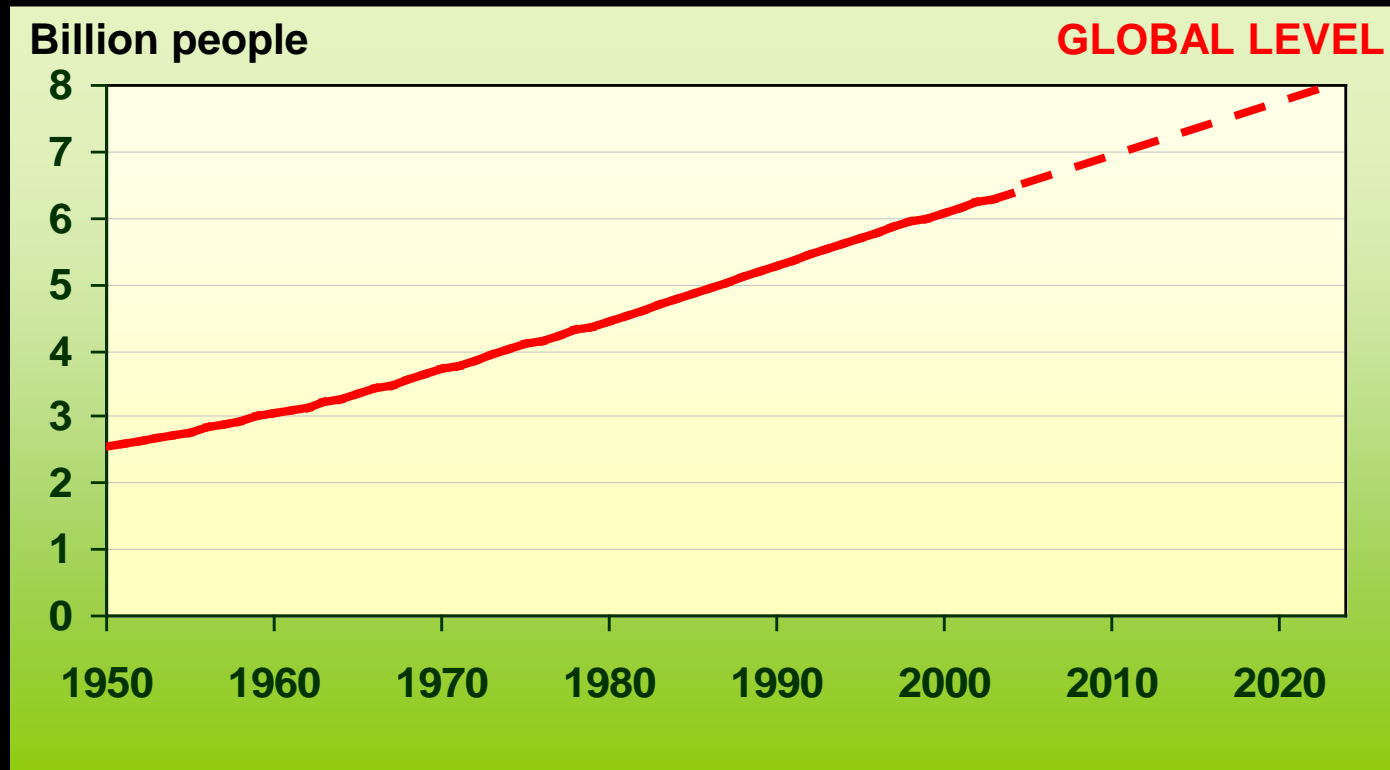
H.S. Dillon

**Indonesia Australia Business Conference
Regional Business Forum
Bali, 17-18 November 2011**

METHODOLOGY

- **Population Pressure**
- **The Triple Catastrophe**
- **Agriculture For The World**
- **Aligning Private-Public-People Interests**
- **Sustainable Civilization**

WORLD POPULATION GROWTH



Like on global level, Indonesian population still grows with a considerable rate of around 1.3% p.a. It has increased by more than 50 Mio during the last 20 years, reaching around 238 Mio in 2010.

POPULATION PRESSURE

7 Billion and counting

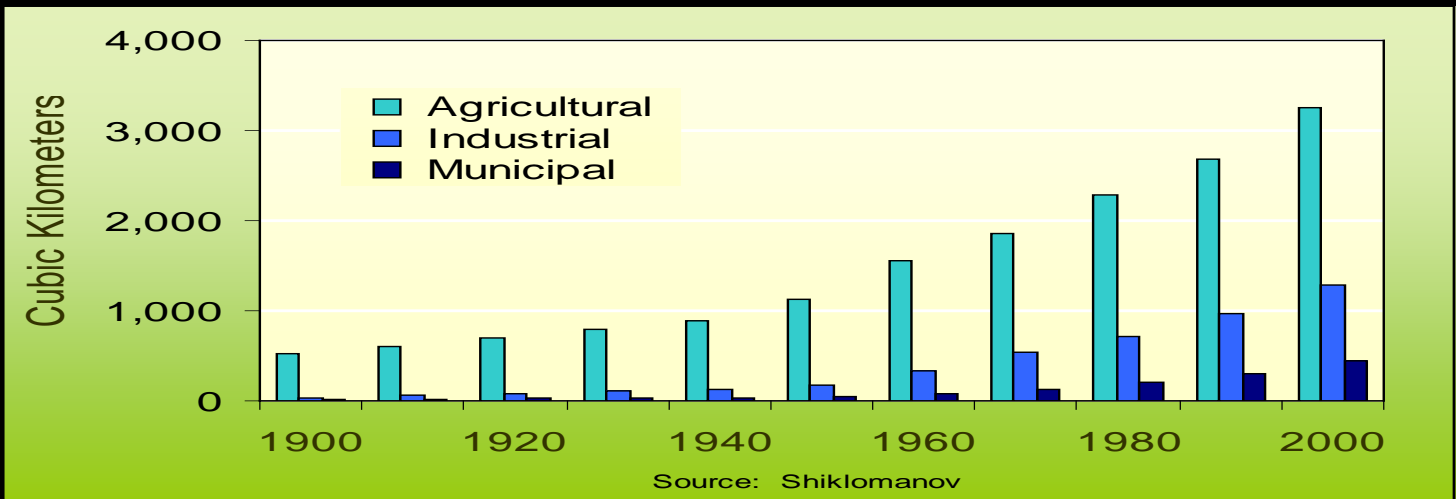
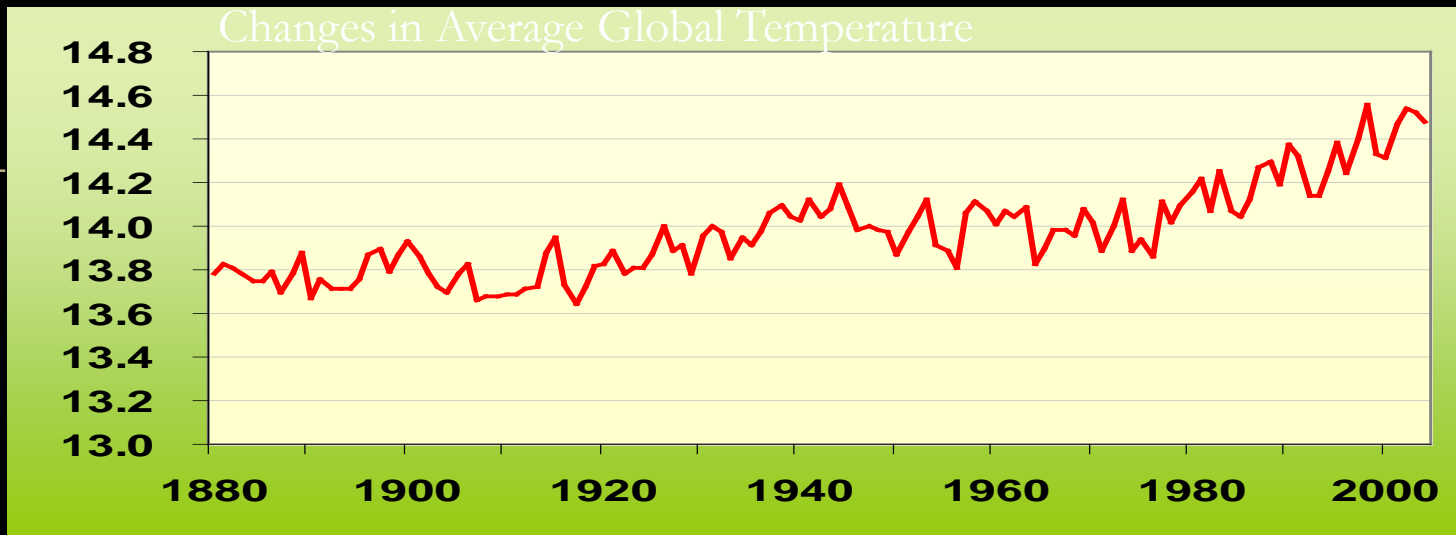
- **Earth's carrying capacity?**
- **Unsustainable rate of population growth**
- **Compounded stress**
- **Induces calls for “cheap food” to “quell the peasants”**

TRIPLE CATASTROPHE

- **Food and Energy crisis**
- **Global Warming**
- **Financial meltdown**

“The Earth provides enough to satisfy every man’s needs, but not one man’s greed”

Mahatma Gandhi



Around 70% of global water uses are in agriculture. Changes in rainfall, drought or floods would therefore affect agriculture and food productions. More irrigation would then be demanded.

THE REAL COST OF "CHEAP" FOOD



Incentives and subsidies in **developed countries push farmers to cultivate crops even on marginal lands**



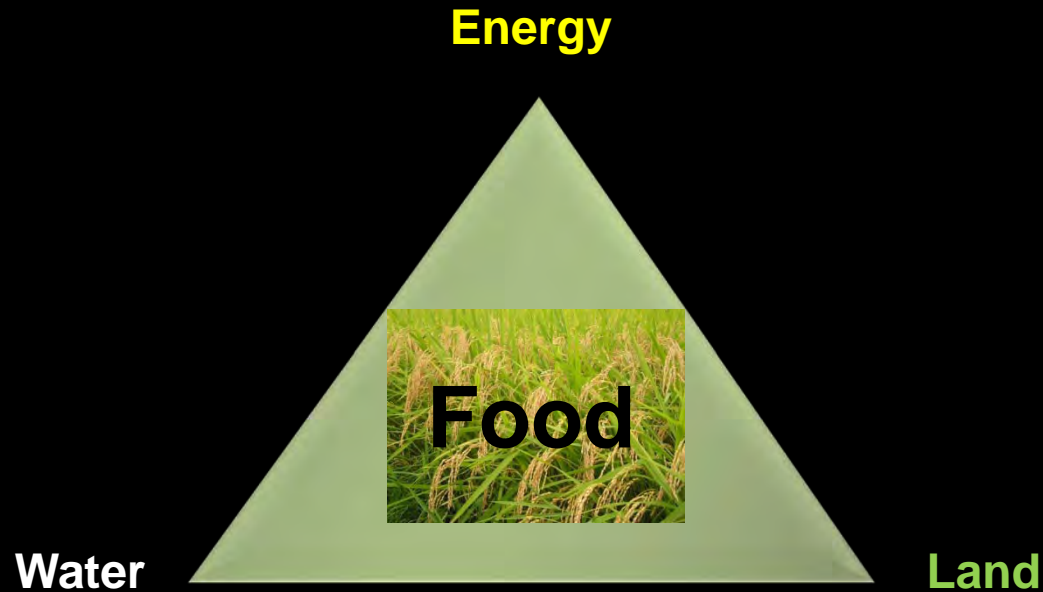
Surplus dumped in developing countries as "aid"; effectively destroying local markets



Furthermore, **"cheap" food distorts ROI calculations,** withering the capacities of farmers in developing countries

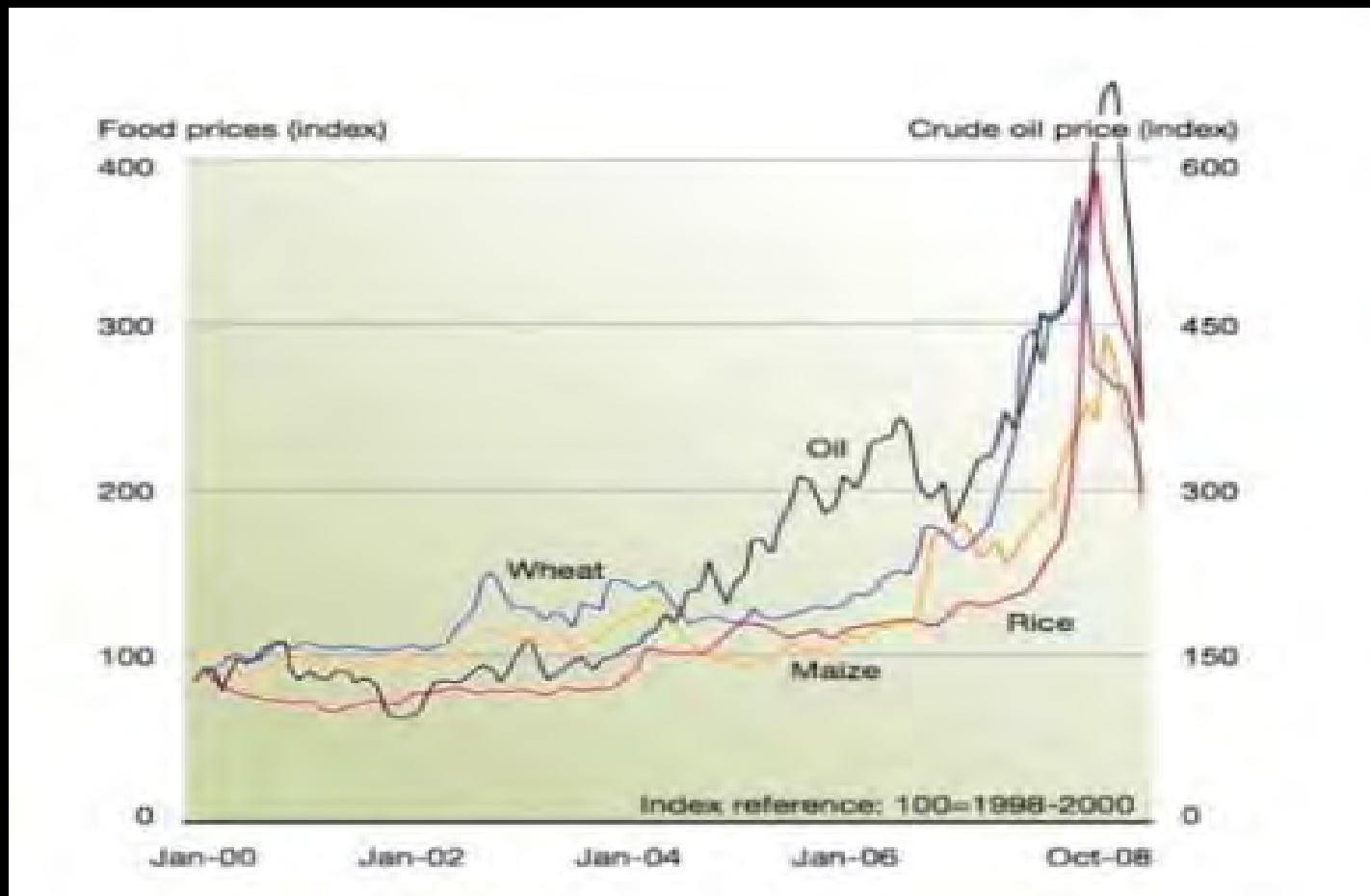
FOOD PRODUCTION

A Matter of Setting Priorities



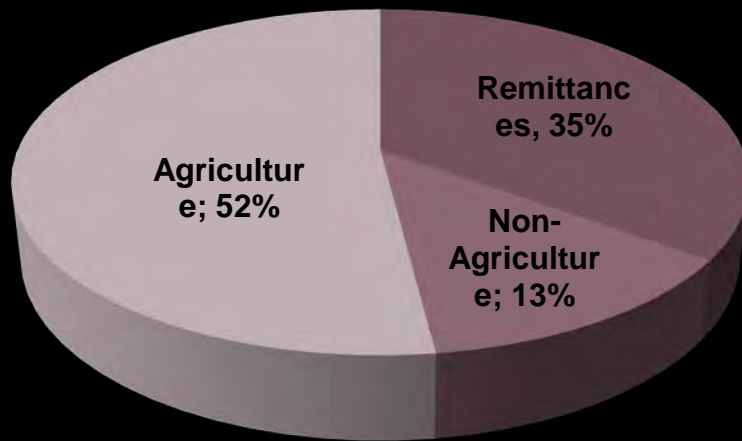
Must we wait until grains are more expensive than oil to realize how wrong we have been in valuing our farmlands and our water?

CHANGES IN COMMODITY PRICES IN RELATION TO OIL PRICES

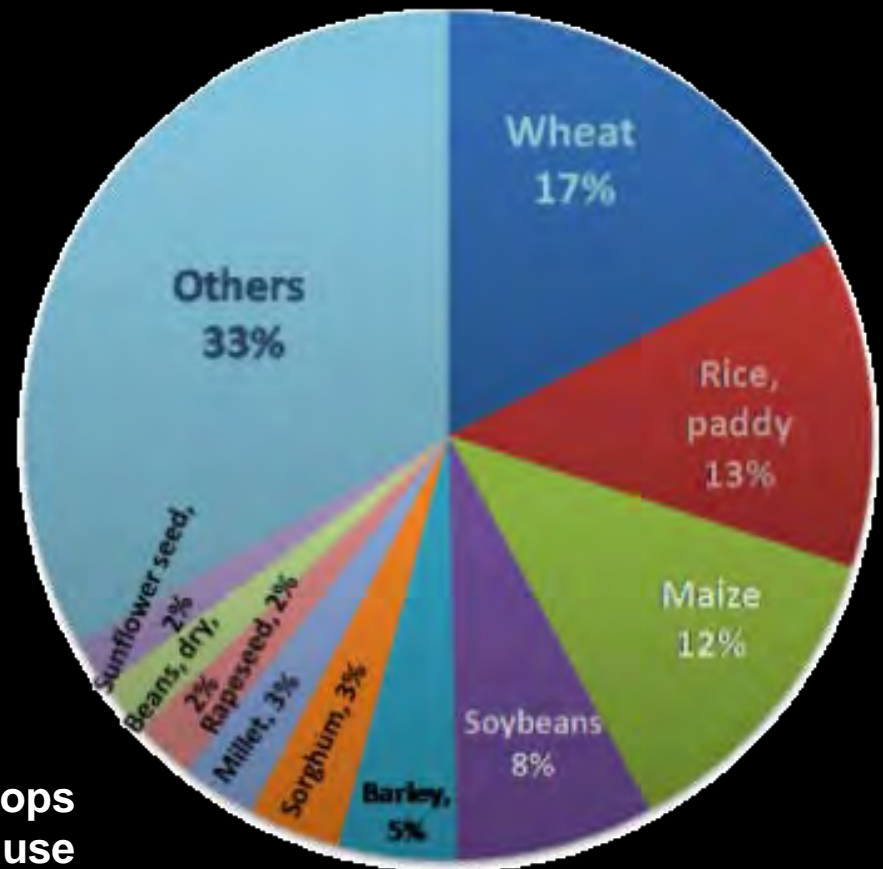


Source: FAO and IMF, 2008

AGRICULTURE AND POVERTY ALLEVIATION



Average Contribution to Poverty Reduction by Income Source
(Source: oecd.org)



Top global crops based on cropland use
(Source: FAOSTAT)

GLOBAL GREED

Governments : *Policy tools* → extractive or constructive?

IMF-WB: Collusion for hegemony?

OECD: Food and energy sovereignty over food security

WTO: Doha → Around sans Development

Wall Street: **Let them eat cake!**

*ALIGNING
PRIVATE-PUBLIC-PEOPLE INTERESTS*

PROSPERITY FOR ALL

Achievable Through Austerity by All

- **Remove the urban bias from our development paradigms**
- **“Virtual water”**
- **Waste less food, waste less resources**
- **Alternate Wet and Dry Irrigation**
- **Empower smallholders, they are the ones who will be able to raise the rural economy**
- **Intercropping and raising stocks in conjunction with agricultural production; i.e. rice-fish cultivation, herding goats in palm plantations, etc**

GREEN REVOLUTION

Catalyzing Virtuous Cycles

Philanthropic institutions: paving the road for better R&D (Rockefeller → CGIAR)

Governments: focus on agriculture led to employment generation & increased food production

Businesses: proper ROI allows profitable partnerships with producers

AGRICULTURE

Bedrock of Civilization

Agrarian Reform as the basis for human
development and growth

Allocating investments & credit to farmers,
not rice estates

Eliminate inequitable policies and build
representative institutions

Employ equitable and environmentally friendly
politics

BIMAS-PERTANIAN

From Indonesia for all farmers

Systemic approach; neighbouring plots

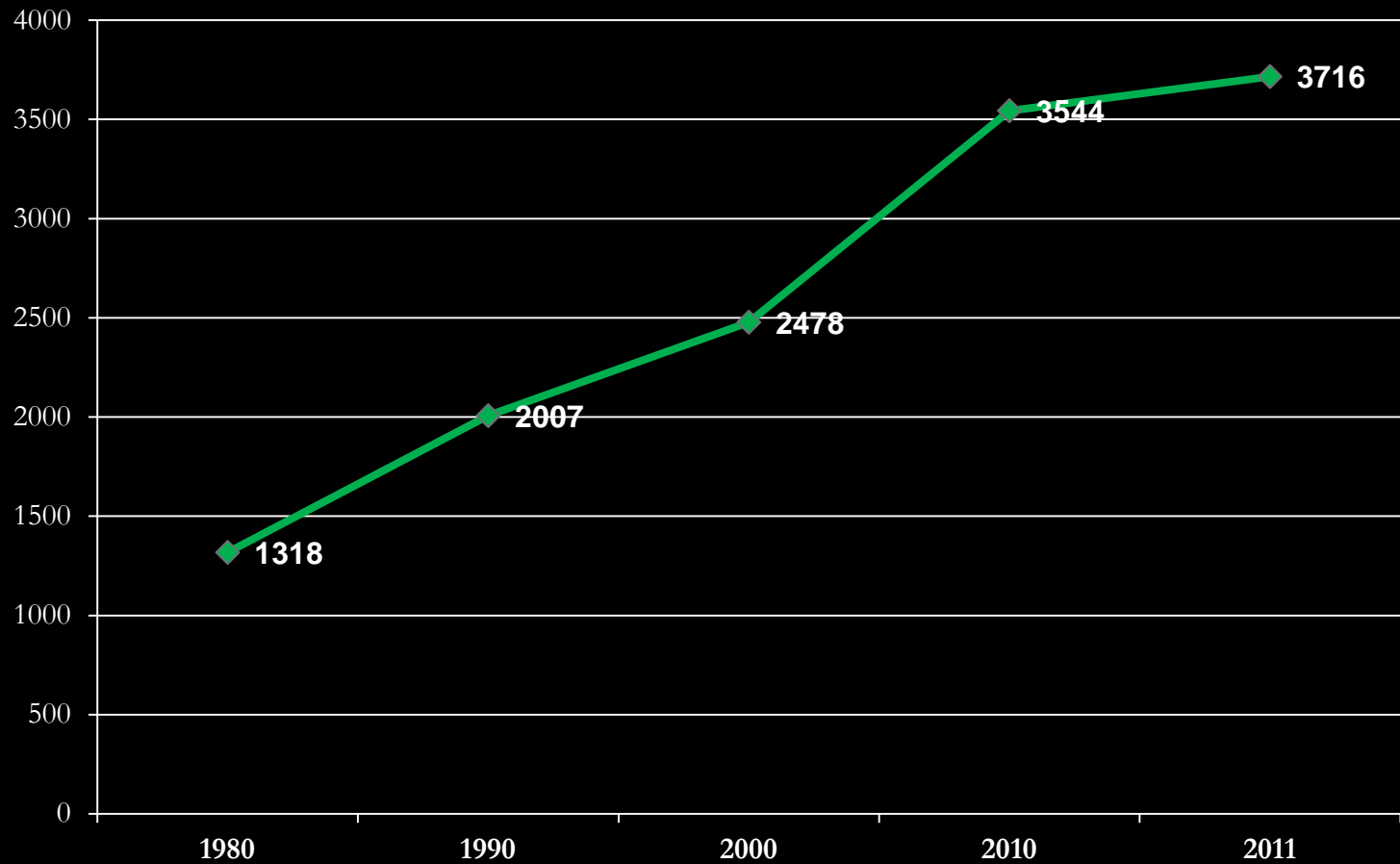
Set prices; helps ROI estimates

Guaranteed buyer; BULOG

**Financial support; seed prices, cost of living,
access to financing**

**Institutional support; KUD, farming tools,
irrigation systems**

INDONESIA INCOME PER CAPITA (US \$)



Source: UNDP

AVERAGE CONSUMPTION IN INDONESIA

Average Consumption per Capita per Year of Meat, Milk, and Egg in Indonesia (kg)

Indonesia's Standard For Consumption of:

- Meat : 69,6 kg/capita/year
- Milk : 67,4 kg/capita/year
- Egg : 42,6 kg/capita/year

(Source: Dirjen Bina Produksi Peternakan, 2004)

- Meat : 7,7 kg/capita/year
- Milk : 7,5 kg/capita/year
- Egg : 4,7 kg/capita /year

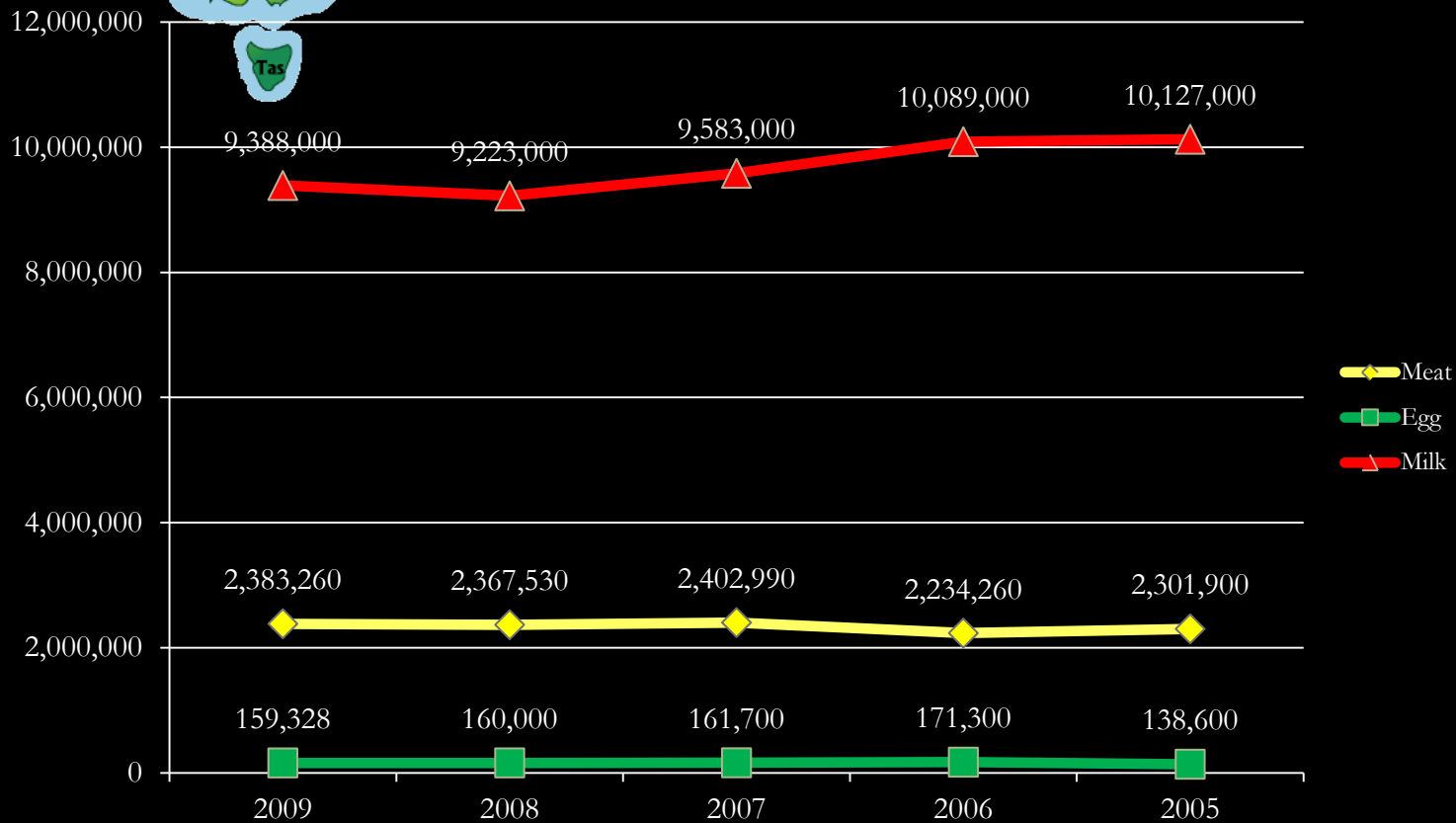
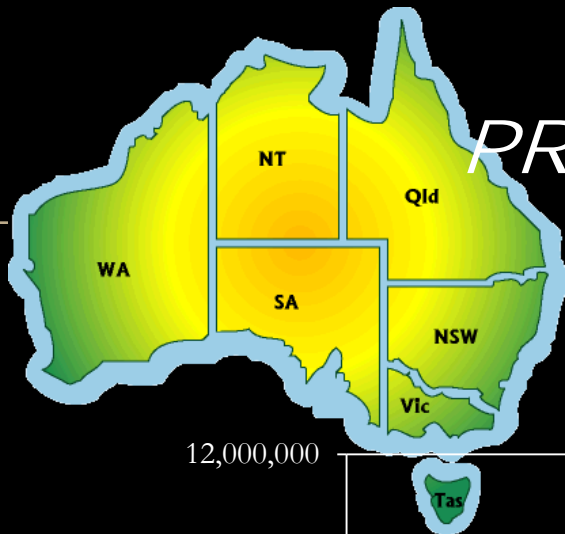


**THE GAP is about
88,9%**

- Meat : 61,9 kg/capita/year
- Milk : 59,9 kg/capita/year
- Egg : 37,9 kg/capita /year

HOW TO
BRIDGE THE
GAP???

MEAT, EGG AND MILK PRODUCTION OF AUSTRALIA



Source: FAOSTAT

SUSTAINABLE CIVILIZATION

CAPITALISM WITH A CONSCIENCE

Profits as a survival strategy

- **Pivotal role of business**
- **New consciousness; ever increasing demands for sustainability**
- **Being good is good for business**

PUBLIC-PRIVATE-PEOPLE PARTNERSHIPS

Continuous Rebalancing

- **Private interests;** patents, profits
- **Public interests;** proper policies, general R&D, general welfare
- **People's interest;** social and environmental sustainability, partnerships involving the people guarantees success caused by a shared ***sense of ownership***

KEY TO SUSTAINABILITY



Paradigm Shift

“Growth vs Equity” → “Growth through Equity”

“Market & Technology Driven” → “People Driven”

Every policy drafted, every institution established, and every technology designed or adopted should be driven by the needs and capacities of the people

SARWO-DAYA

For a Sustainable Civilization

**It is time we outgrow antiquated
development paradigms**

**Realize that we are all fellow-travelers on the
Spaceship Earth and live up to our
*enlightened self-interests!***

People-driven:
People, Planet, Profits

An aerial photograph of a powerful waterfall cascading over dark, rocky terrain. The water is white and frothy as it falls, creating a stark contrast with the dark rocks. The text is overlaid in the center of the image.

CALAMITY OR CONCERT?

*FLOURISH TOGETHER OR
FLOUNDER SEPARATELY !*

A vibrant green field, possibly a rice paddy, stretches across the foreground. In the background, several tall palm trees stand against a bright blue sky with scattered white clouds. The overall scene is peaceful and natural.

THANK YOU
for thinking GREEN