Agricultural Research: Regional Challenges and Opportunities

UNDESA

Capacity Development Workshop
Improving Agricultural Productivity, Water
Use Efficiency and Strengthening Rural
Livelihoods

Bangkok, 28-30 January

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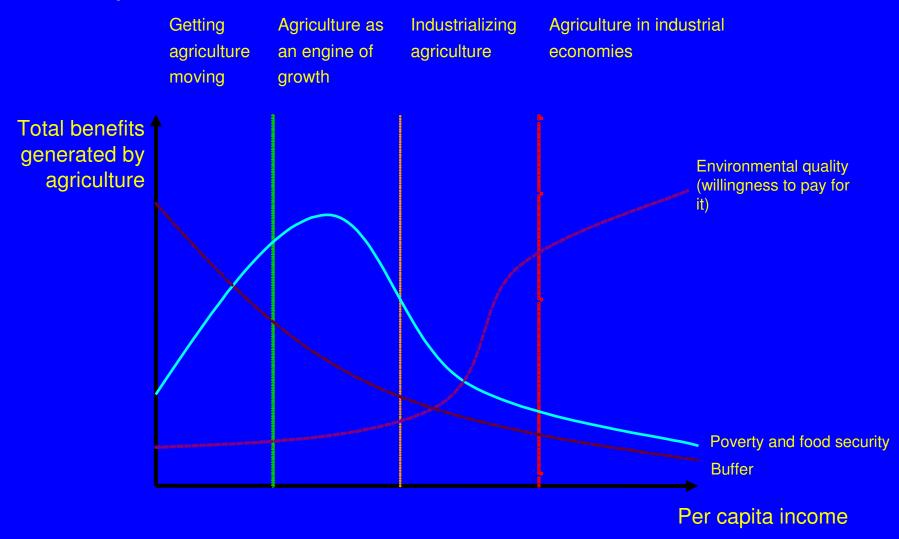
Agriculture and Resource Management Challenges

- The important eight (Tariq Banuri)
- What do we want from agriculture?
- Diverse and multiple roles
- Move away from commodity specific policy

Evolving roles

- Productivity
- Poverty reduction
- Environmental services
- Social well being
- Public health and more

Agriculture's Evolving Roles in the Development Process

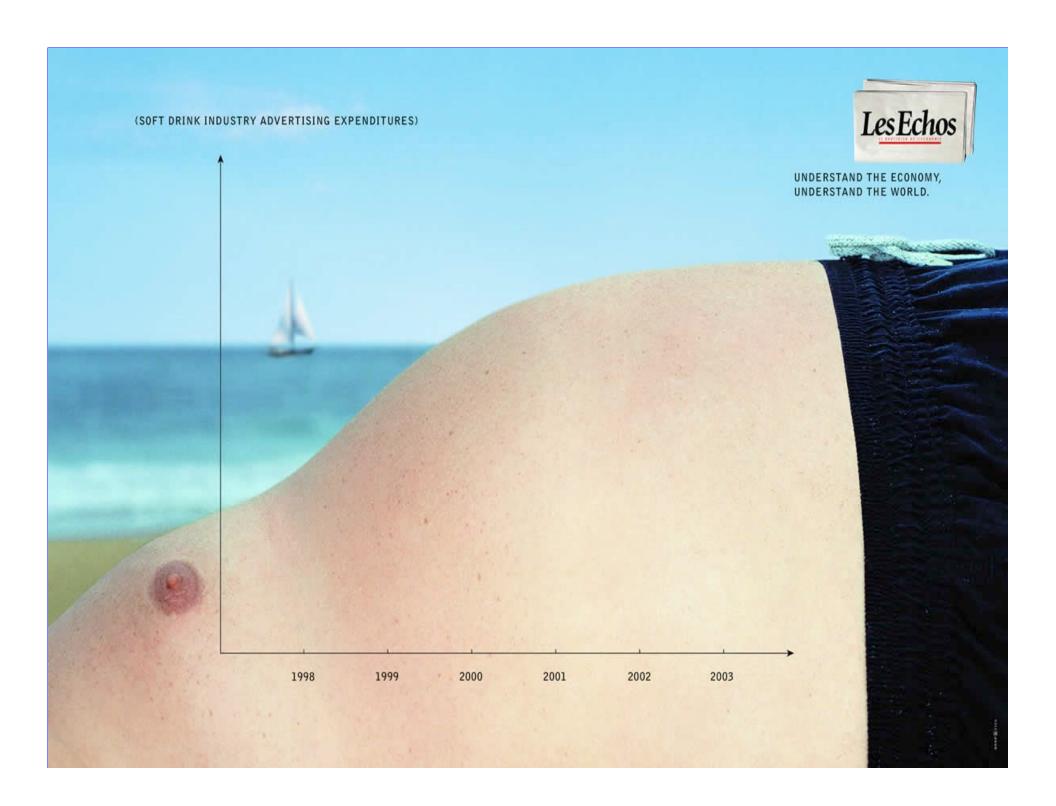


Common Driving Forces Shaping the Research Agenda

- Income Growth & Urbanization
- Global lifestyles & diet convergence
- Women in the urban wage workforce
- Climate and a carbon constrained economy
- Food, fuel and financial crisis
- Diet, health and where we buy food
- Technologies: biotech (orphan crops) and IT

Attention to

- Agriculture's contribution to poverty
 - What is the channel?
- Growing emphasis on health, diet, nutrition
- Massive changes in food retail





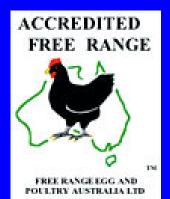






Organic Practical Ethical Responsible Sustainable











Guarantees a **better deal** for Third World **Producers**













The Global Partnership for Safe and Sustainable Agriculture





The Challenges

We want research to support our evolving vision: agriculture as a positive economic, social and environmental force

Let's be careful about generalizations, but
South Asia has 40% of world's poor
Safety nets still an issue
Small scale, stagnant productivity

The Challenges

South East Asia and China

small scale, growing food importer, stagnant productivity, large and expanding middle class

Africa

low productivity, high population growth, more rural, growing number of producers, mixed scales, less infrastructure, production inputs and rural services

Challenges for low income, small scale producers

- Shortage of capital and lack collateral
- Location and environmental degradation, especially soils and water
- High pest/disease pressure
- Inputs often not available, or late
- Energy relatively expensive
- Market power and relationship power
- Lack of know-how and know-who for value adding markets

Opportunities for low income, small scale producers

- Vocation for agriculture
- High value labour with training
- Strong motivation, and in many places, a tradition of working cooperatively
- Nearness to growth market for food products, which in developing countries in general, and urban markets in particular

The opportunities

- Africa's new growth and development initiatives (AU, NEPAD and CAADP)
- Yields increases based on more appropriate innovations, sustainable agriculture
- Heterogeneity and variability are recognized and treated over space and time.
- Enhancement of productivity by
 - increasing yield
 - improving quality
 - adding value
 - reducing cost

Opportunities

Research to support our evolving vision: agriculture as a positive economic, social and environmental force

- Agriculture is back
- Much greater propensity for researchers to collaborate
- More focus on strategic positioning
- IT technologies, especially phones
- Up scaling from lessons (MF, PDA, FFS)
- Organizing research includes producers
- More emphasis on how to use research