

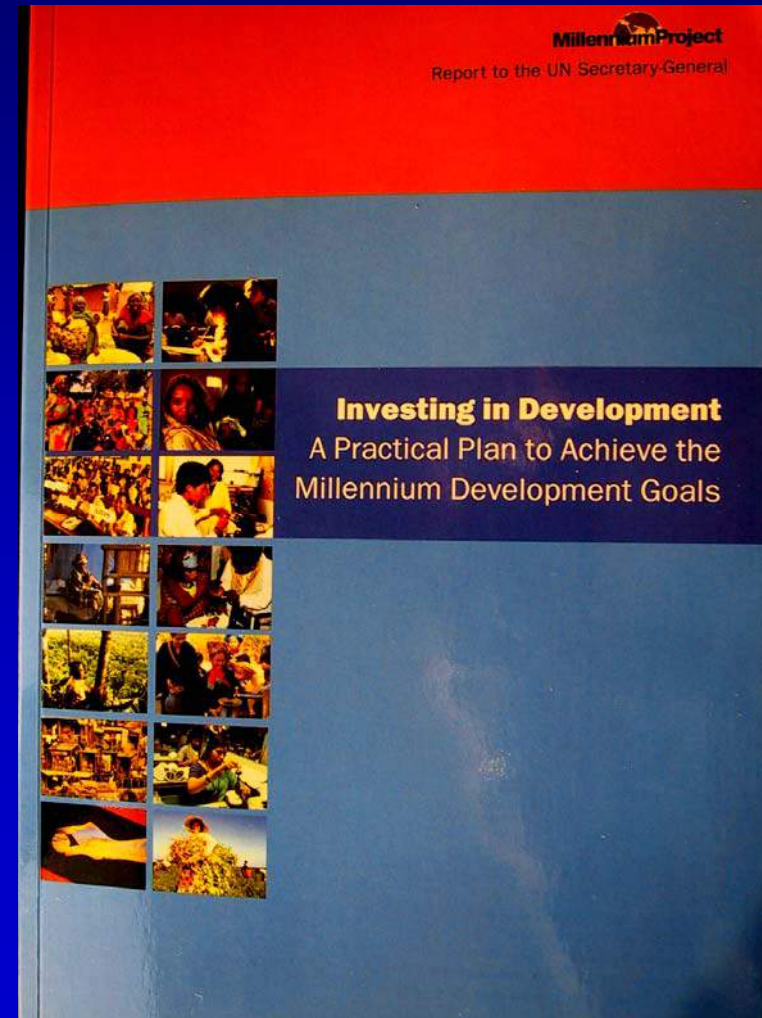
Progress Towards Achieving the Millennium Development Goals in Africa

Pedro Sanchez
ISRIC 40th Anniversary Seminar
Wageningen, Netherlands
9 March 2006

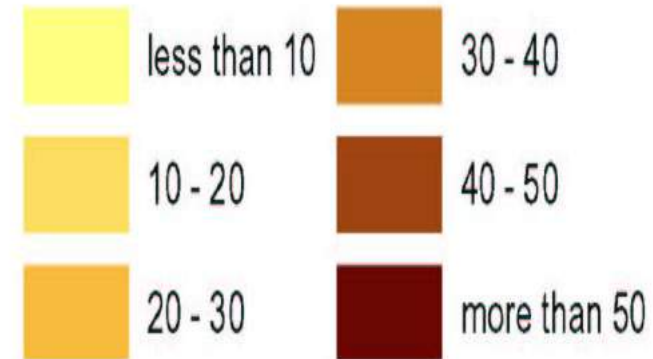
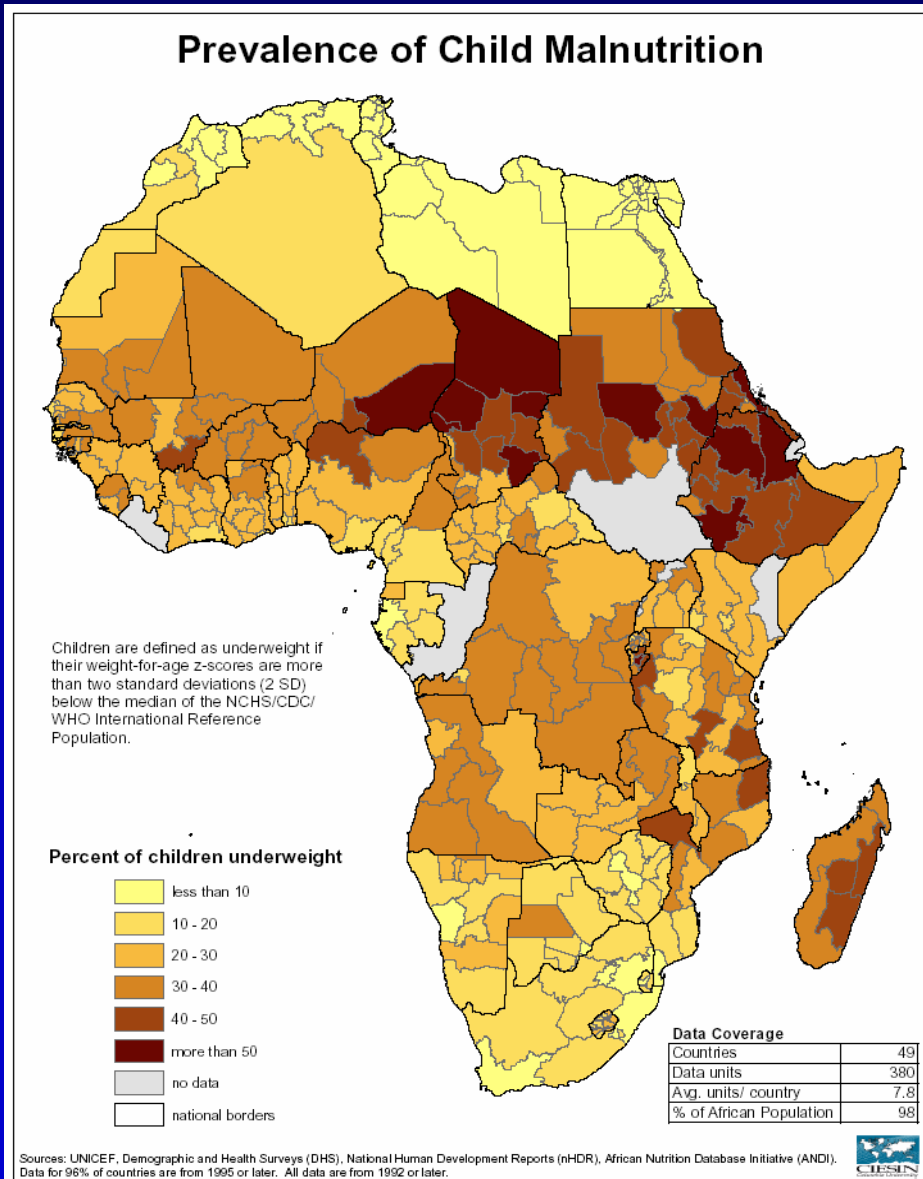
UN Millennium Project Recommendations

What's different

- Political legitimacy
- Science-based
- Compelling
- Integral—all sectors
- Quantitative targets
- Deadline: 2015
- Hotspot approach



Hunger Hotspots: >20% Underweight Children < 5



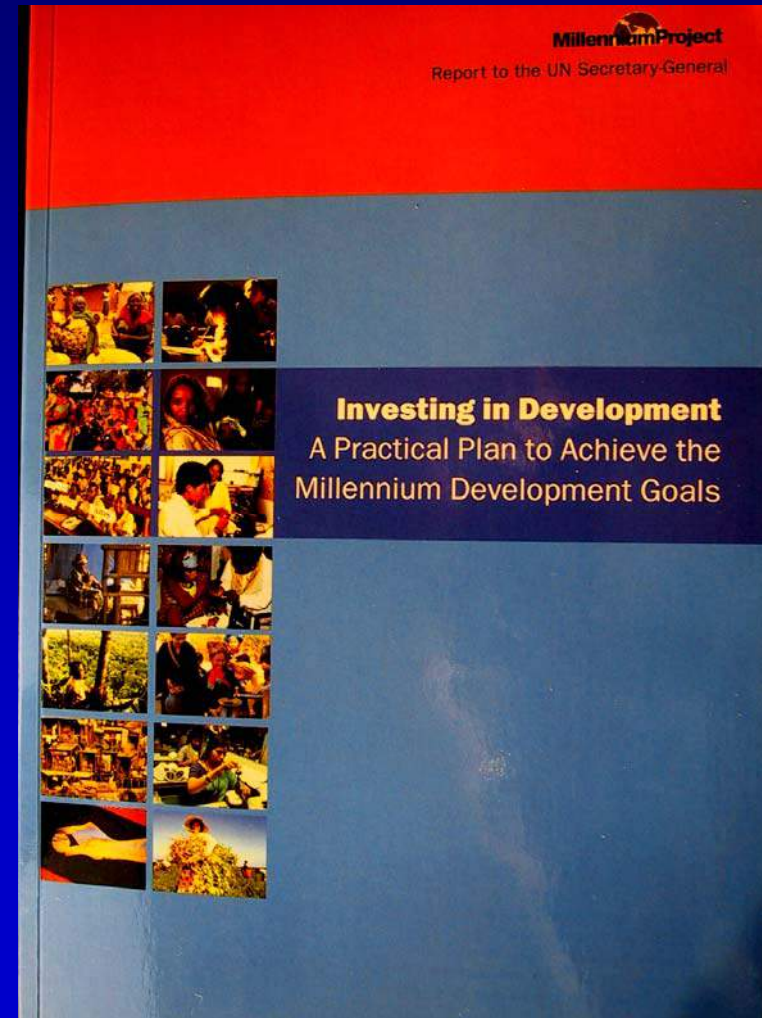
Africa's 230 hunger hotspots

- Cover 88% of underweight children
- Are also poverty, disease hotspots
- >70% of poverty is rural
- About 100,000 villages of 5000 people

UN Millennium Project Recommendations

What's different-2

- Investments are at scale and for 10 years
- Resonates with most donors- translate commitments into action
- Resonates with the African leadership-- translate commitments into action
- Implementation has begun in some well-governed core countries



21st Century African Green Revolution

SEMINAR ON INNOVATIVE APPROACHES TO MEETING THE HUNGER
MILLENNIUM DEVELOPMENT GOAL IN AFRICA
JULY 05, 2004 ADDIS ABABA



AFRICA'S
GREEN
REVOLUTION
A Call to Action



Innovative Approaches to Meet The Hunger Millennium Development Goal in Africa

Components

Agriculture



Nutrition



Markets



Environment



Politics



Policies



Working at Different Scales

**Global: UN Millennium Project,
African Green Revolution, G8**

**Science-based policy
Advocacy
Public awareness
Resource mobilization**



**National:
Core countries, NEPAD**



**National planning
Enabling policies
Scaling-up**



**Community:
Millennium Villages**



Getting it done



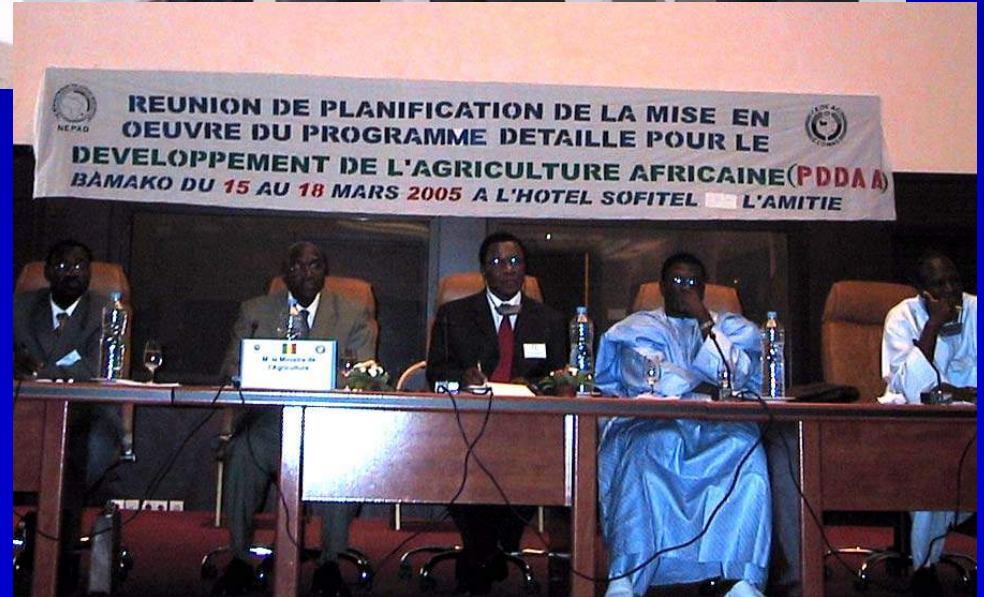
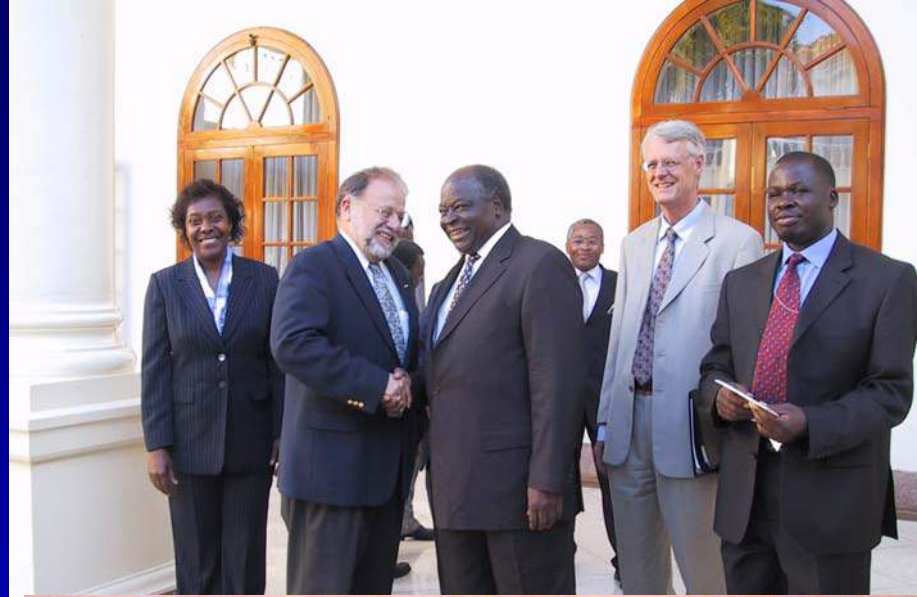
UN General Assembly Resolution

16 September 2005



- All countries recommit to achieve the MDG's (US on board)
- All countries support the African Green Revolution
- All countries support homegrown school feeding, malaria bednets
- But, promises are not being implemented by donor agencies

National: Buy-in from the top--10 Core Countries



The MDG Regional Centers: Nairobi and Bamako



'THEMES'

- 1 POLICY
- 2 AGRIC. PRODUCTIVITY
- 3 NUTRITION
- 4 PRODUCTIVE SECTORS

MARKETS

NATIONAL RESOURCES

INTEGRATOR

INTERVIEW

Millennium Villages

Empowering African villages to achieve all MDGs

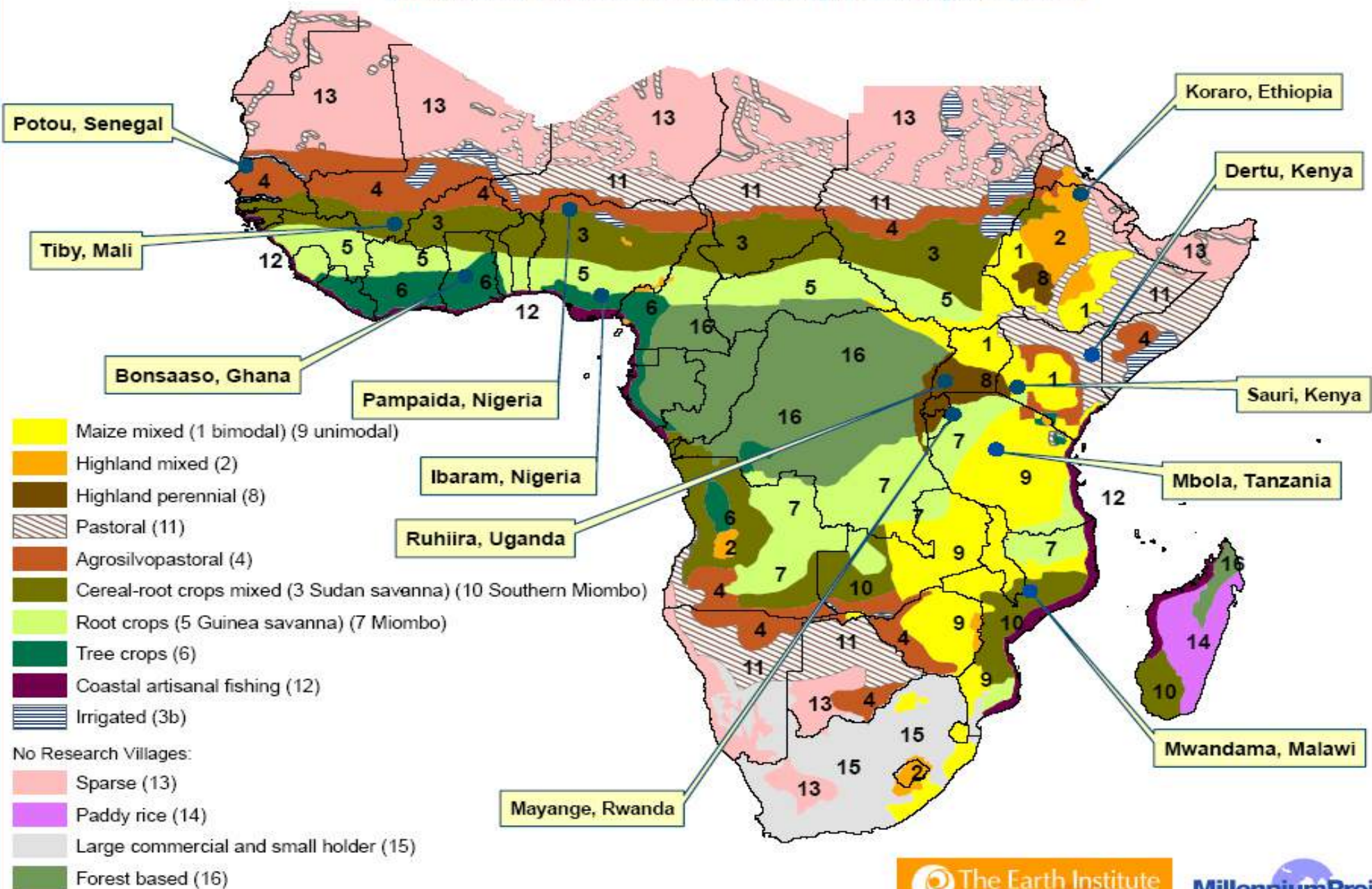


Sauri Sublocation
Siaya District, Nyanza Province
Kenya



Koraro Tabia
Hawzen Woreda, Tigray Region
Ethiopia

Millennium Research Villages & Agro-Ecological Zones



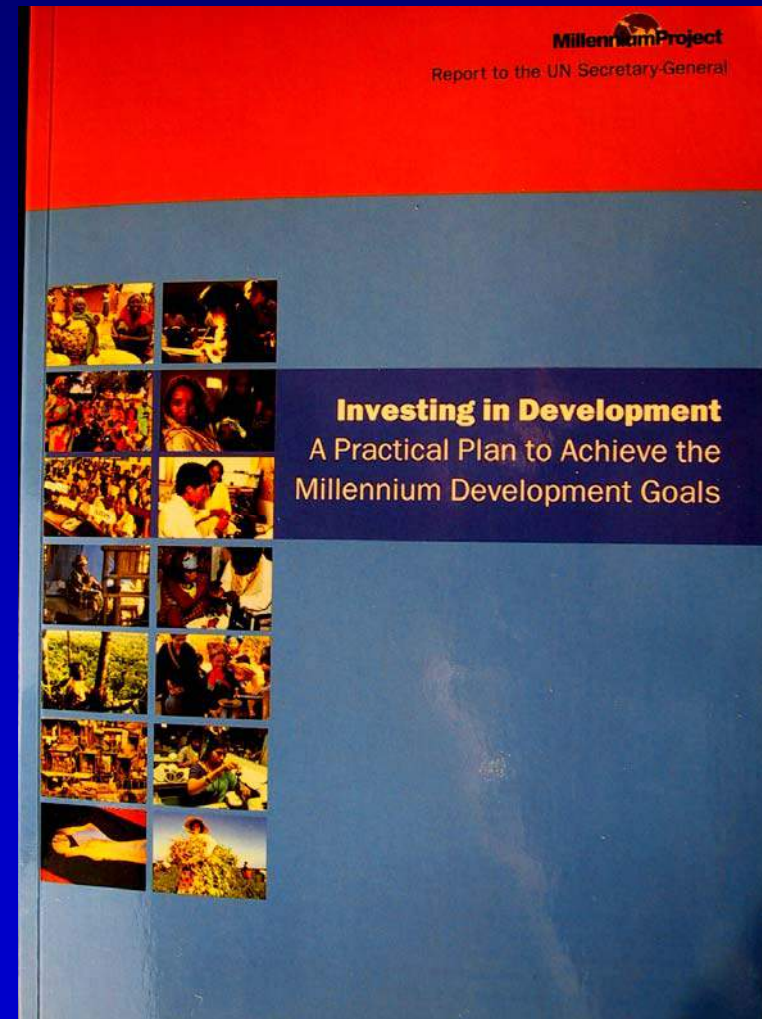
Adapted from Dixon et al. 2001. Farming Systems and Poverty. FAO

UN Millennium Project Recommendations

Estimated Costs: Rural Africa

All MDGs 110 US\$/capita/yr:

- ◆ **Household share: 10**
- ◆ **Government Share: 30**
- ◆ **Donors share: 70, of which:**
 - ☞ **Agriculture & nutrition: 15%**
 - ☞ **Health: 30%**
 - ☞ **Infrastructure: 20%**
 - ☞ **Education: 20%**
 - ☞ **Water, sanitation, environment, others: 15%**



Main Pillars

- **Government commitment to MDGs**
- **Community empowerment**
- **Proven, science-based interventions**
- **Multisectoral--all MDGs**
- **Investments at scale—initial “big bang”**
- **Long-term 5 – 10 years**
- **Transformation to market-based enterprises**

Community leads / Science-based



Millennium Villages Science Coordinators



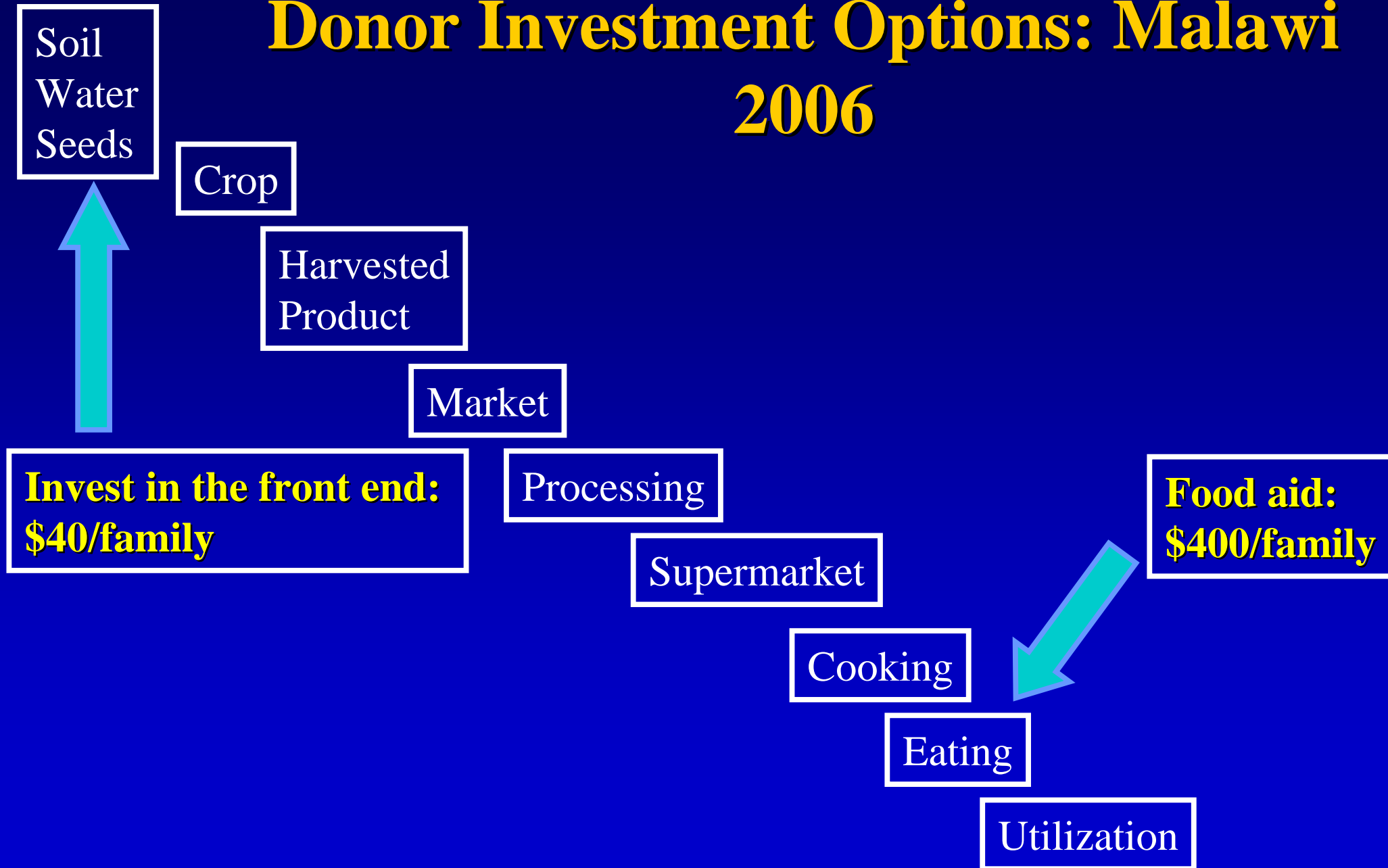
10 Key Investments

1. Soil health, water mgmt, improved germplasm
2. Malaria long-lasting bednets
3. Local clinic: HIV-AIDS, obstetrics, neglected tropical diseases
4. Safe drinking water
5. Roads

Unhealthy soils
Untamed water
Poor germplasm



Donor Investment Options: Malawi 2006



Working Clinics



Safe Drinking Water



Transport Costs

Africa's road density
now:
< India's in 1960



Move 1 ton fertilizer 1000
kms:

- USA: **\$15**
- India: **\$30**
- SS Africa: **\$100**
- *Double if truck returns empty*

*Vijay Modi, Columbia
University*

Move 1 ton maize:

- Iowa to Mombasa
(13,600 km): **\$50**
- Mombasa to Kampala
(900 km): **\$100**

World Bank

10 Key Investments (2)

- School feeding with locally produced foods
- Energy—cooking, lighting, power
- Mobile phones, internet
- Transformation from sub-subsistence farmers to small-scale entrepreneurs
- Make markets work for the poor

Homegrown School Feeding



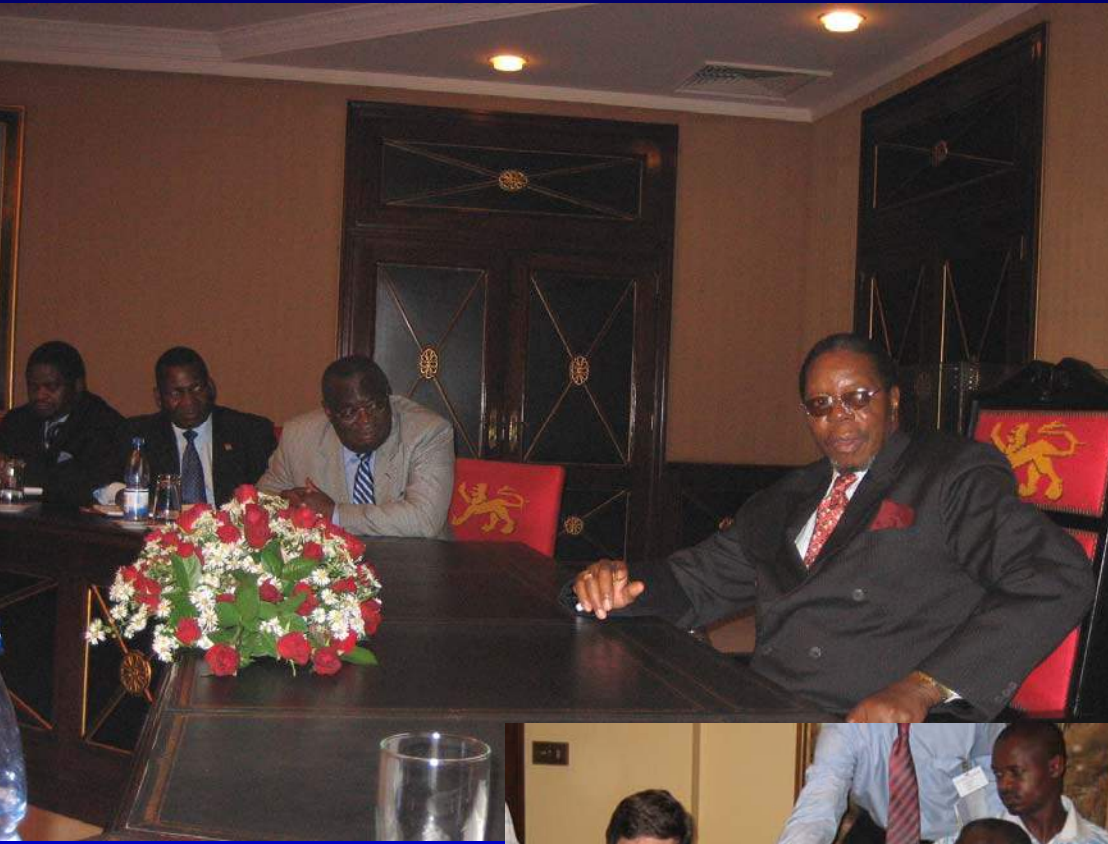
Transformation from Sub-subsistence to Small-scale Entrepreneurs



Progress so far

- 10 country coordinators working with Planning/ Finance Ministries to design MDG-based budgets. Donors largely opposed (x Japan)
- Nationwide school feeding programs with local foods: Ghana-Netherlands
- Africa-wide fertilizer finance facility (Nigeria Gov., IFDC, Rockefeller) Africa Fertilizer Summit
- Nationwide fertilizer/seed subsidy in Malawi (Gov., World Bank)
- Private sector getting involved
- Private philanthropy providing \$100 million for Millennium Villages

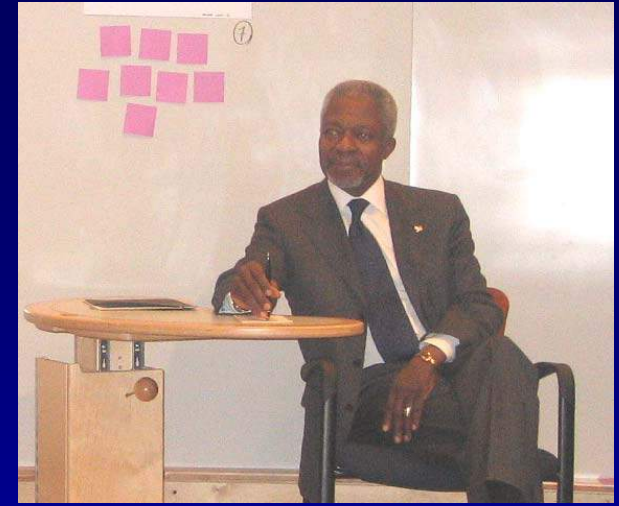
Malawi's Green Revolution starting?



It can be done!



Private sector gets going



Private Sector

- **Monsanto (seed)**
- **Yara (donor)**
- **Sumitomo (330,000 bednets)**
- **Merck, GSK (ARV's, other medicines)**
- **Unilever**

MillenniumPromise.org:
Private Philanthropy
1 Village= \$300k/yr for 5 yrs
Raised \$100 m so far





Villagers assume Ownership and Responsibility



Village Committees

Elected in each village

Training –
empowerment, management,
governance, technical aspects

Water
Agriculture
Health
Electricity/Energy
School
Environment





The Village Builds a Clinic...

in 6 weeks for less than \$10,000





February 2005 Planting

- Fertilizer, hybrid maize seed distributed
- Contract with farmers on input subsidies
- In kind repayment



April 2005



Outside:



July 2005 Harvest:
4.9 tons/ha in 327 ha

July 2004:
1.9 tons /ha in 229 ha

Production increase: 3.5 x



Villagers are Co-paying--It is not a Handout

	Per acre (the av. area planted)	\$/farm	% subsidy
Fertilizers + hybrid seed	2 bags DAP + 1 bag urea = \$73.50 10 kg seed = \$18.00	91	
10% maize surplus to schools (7%)	4.9 tons/ha x 0.06 = 1960 kg/acre = 1.5 bags @ 1450 ksh/bag = 2175 ksh @ 72 ksh/USD	30	33

Marketing and Storage



The 40 Poorest Households



Next Season





Rehabilitate the Environment



Wireless Internet



Access Point (AP)
cluster



Backhaul Module
(BH)



Subscriber Module
(SM)











Confucius Proverb

- Give people a fish and they will eat for a day
- Show them how to fish and they will eat for a lifetime
- **Dependency** (food aid)
- **Empowerment** (hunger elimination)

Confucius Proverb Updated

- Give people a fish and they will eat for a day
- Show them how to fish and they will eat for a lifetime
- And.. they will buy fishing equipment
- **Dependency** (food aid)
- **Empowerment** (hunger elimination)
- **Trade** (poverty elimination)