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
Working at Different Scales

Global: UN Millennium Project, African Green Revolution, G8

National: Core countries, NEPAD

Community: Millennium Villages

Science-based policy
Advocacy
Public awareness
Resource mobilization

National planning
Enabling policies
Scaling-up

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
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

- Potou, Senegal
- Tiby, Mali
- Bonsaaso, Ghana
- Pampaida, Nigeria
- Ibaram, Nigeria
- Ruhiira, Uganda
- Mayange, Rwanda
- Koraro, Ethiopia
- Dertu, Kenya
- Sauri, Kenya
- Mbola, Tanzania
- Mwandama, Malawi

Legend:
- **Maize mixed (1 bimodal) (9 unimodal)**
- **Highland mixed (2)**
- **Highland perennial (8)**
- **Pastoral (11)**
- **Agrosilvopastoral (4)**
- **Cereal-root crops mixed (3 Sudan savanna) (10 Southern Miombo)**
- **Root crops (5 Guinea savanna) (7 Miombo)**
- **Tree crops (6)**
- **Coastal artisanal fishing (12)**
- **Irrigated (3b)**

- **No Research Villages:**
  - Sparse (13)
  - Paddy rice (14)
  - Large commercial and small holder (15)
  - Forest based (16)

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
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

Invest in the front end: $40/family

Food aid: $400/family
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

Move 1 ton maize:
- Iowa to Mombasa (13,600 km): $50
- Mombasa to Kampala (900 km): $100

Vijay Modi, Columbia University

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
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

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