

Millennium Village Project

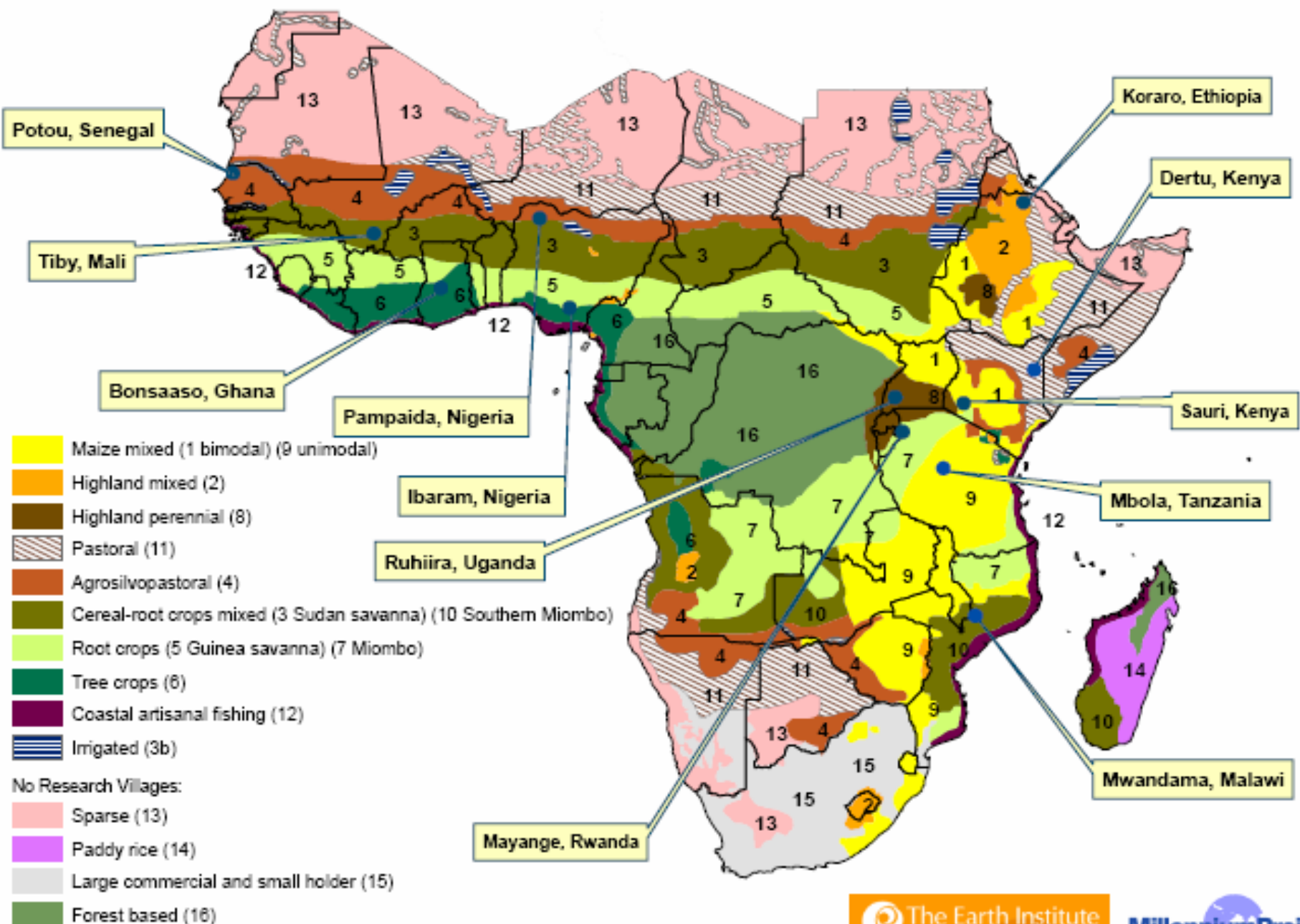
Sonia Ehrlich Sachs MD MPH

IUATLD

February 28, 2008

TB coordinator: Dr. Yanis Ben Amor

Millennium Research Villages & Agro-Ecological Zones



Tuberculosis Initiative

- ▶ 5/10 countries are high burden countries (Ethiopia, Kenya, Tanzania, Uganda, Nigeria)
- ▶ TB diagnosis and treatment are mostly centralized in a district hospital
- ▶ Very low case detection rates (19% - 52%)
- ▶ Average treatment success rates (59% - 81%)

Tuberculosis Initiative

- ▶ Goal for end of 2007
 - (re)train all nurses, clinical officers (and doctors) for DOTS



DOTS supervision in Rwanda



DOTS supervision in Ethiopia

Tuberculosis Initiative

- ▶ Goals for end of 2008
 - (re)train laboratory technicians for microscopy
 - Set up a laboratory for TB diagnosis



TB microscopy in Rwanda

Tuberculosis Initiative

► In 2009

- CHWs (cough monitors) perform active case finding / contact tracing – family screening
- Microscopy available at the village level
- Community-based DOTS
- Isoniazid preventive therapy for children under 5 and HIV+ patients

Tuberculosis Initiative

▶ Successes:

- 3/10 have already reached end of 2008 goals (Ethiopia, Uganda, Rwanda)
- Access to CHWs allows for patient-centered TB approach – should decrease defaulter rates

▶ Challenges:

- Funds allocated to TB
- Discrepancy between the vision of the National TB Program and the reality at the local level
- MDR-TB

Research Questions

Study or determine:

- ▶ causes of treatment interruption.
- ▶ Efficiency of cough monitors for active case finding.
- ▶ Proportion of children with TB picked up during family screening.
- ▶ Effect of LED microscopes on diagnosis rates.