Village-based, Sustainable Eradication of Malaria in Sub-Saharan Africa Florence V. Dunkel,¹ Keriba Coulibaly,² Ky-Phuong Luong,¹ Nancy Beckage,³ Ada Giusti,¹ Clifford Montagne ¹Montana State University-Bozeman, ²I'Institut d'Economie Rurale, Sikasso, Mali, ³University of California-Riverside

Art and Malaria Awareness

- Sanambele Village School Grades 7-9
 - Students create / share posters with Community







By the Village, for the Village

initiated with and continued with the Holistic Process (Savory and Butterfield 1999)

Integrated Pest Management (IPM)

•Neem leaf slurry, villagemade, sustainable mosquito larvae dry season management

- •Physical elimination of larval rearing sites
- Biocontrol for Anopheles larvae, with Bacillus thuriengensis (B.t.i.) for emergency larval intervention

 Traditional anti-malarial plants tested for anti-protozoan activity •Beauveria / Metarhizium for adult mosquitoes

Small Enterprise Development **Village Women's Association Handicraft** Enterprise initiated to generate income to purchase: bednets for all villagers supplies for village clinic, malaria medications







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- Results
- No mortality from severe (cerebral) malaria since 2008.
- Model transferred by village leaders in original village to neighbor
- villages with a storytelling process (life cycles of Plasmodium /
- Anopheles and the transmission process)
 - Village pride, sense of accomplishment

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