

MALARIA: A Health Challenge in Botswana

“Moving from 0.74 (per 1000 population) to elimination: 2030”

Resistance Management

Insecticide Resistance

- Bioassays



- Molecular Assessment
- Kdr and Ace 1

Botanical Pesticides

“Swampy Okavango & Chobe”



Bti ✓ DDT X

Vector Chemical Ecology



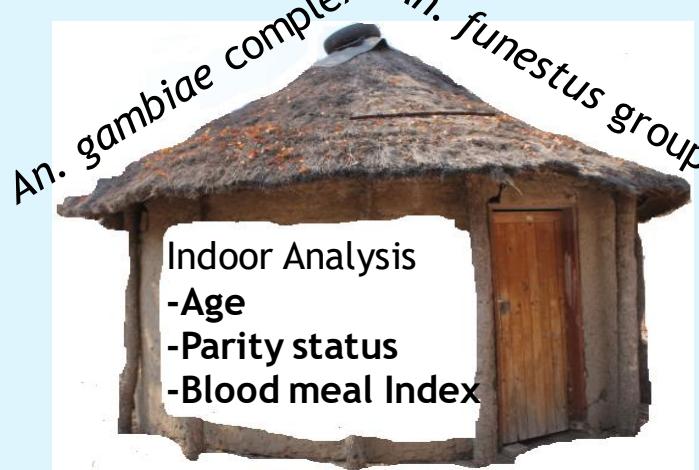
Interference techniques

Population Dynamics

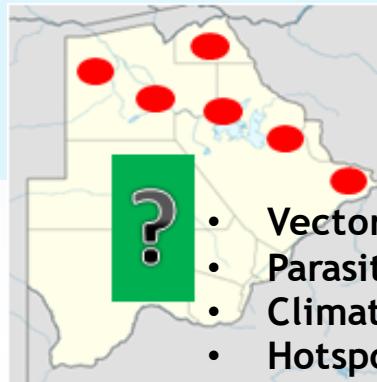
Mosquito diversity



Vector Genetic Analysis



Distribution & Mapping



- Vector distribution
- Parasite mapping
- Climatic modeling
- Hotspots & cases?

Vector Thermal Biology

An. arabiensis & other vectors



CTLs, SCPs, CCRTs,
HKDTs, ULTs & LLTs

SIT in Malaria Vectors



- Wolbachia* approach
- Low vector densities



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