### e<mark>rial College</mark> don

# The Geshiaro Project





- umbricoides
- Hookworm

Schistosoma Mansoni

- Deworming programme for both soil-transmitted helminths (STH) and schistosomiasis (SCH) infect
- Wolaita Zone, Southern Nations and Nationalitie People's Region (SNNPR)
  - 15 districts (woredas)
  - Population of approximately 1.9 million
- Aim: Developing a scalable and cost-effective monopole of interventions for the interruption of transmiss STH and SCH leading to the cessation of MDA for disease control
- The Geshiaro programme is building on BGMF fur research of the Tumikia and DW3 projects





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## Geshiaro: Beyond MDA



Can a combination of expanded, community wide MDA and WASH with BCC decrease prevalence of infection below 2% at a kebele level, in 4 years?

Can MDA for STH and SCH end in Volaita? Can gains in WASH within a community be maintained?



What is the added benefit of WASH? Of BCC? Do they hasten reduction of infection when combined with MDA?

Can good, long-term compliance to treatment be achieved?

What does a nationally scalable and cost-effective model of interventions based on lessons learnt from Geshiaro look like?



Source: Anderson RM, Turner HC, Truscott JE, Hollingsworth TD, Brooker SJ (2015) Should the Goal for the Treatment of Soil Transmitted Helminth (STH) Infections Be Changed from Morbidity Control in Children to Community-Wide Transmission Elimination? PLoS Negl Trop

Can significant progress towards elimination be achieved through a national programme?

Does this have implications for existing guidelines? Potential policy recommendations?



### erial College don Geshiaro: Barcodes and Biometrics



There are several indicators that require us to be able to accurately link individual data over multiple time points:

- Census data (age, sex, household WaSH, SES etc.)
- Parasitological mapping
- MDA (did/did not take treatment) for detailed compliance data

### **BIOMETRIC**





### S simprints every person counts



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Added on Wed, Oct 24, 2018 at 10:53

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3\_school\_census ID: school\_census Version: 2018102201

Version: 2018102406

MDA Form

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#### ID CARD AND QR CODE

