

"MALARIA IS THE WORST THING ON THE PLANET."

-BILL GATES

- Malaria is humanity's oldest and deadliest disease, killing more people throughout history.
- Prior to Malaria No More's launch twelve years ago, **1.2 million** people were dying from a mosquito bite every year.



"MALARIA ERADICATION
WOULD RANK AMONGST
HUMANITY'S GREATEST
ACHIEVEMENTS."
-THE ECONOMIST MAGAZINE



ISDS January 31, 2019

INNOVATION TO END MALARIA



DIAGNOSTICS & DATA



HUMAN MOBILITY



GENOMICS







Improved identification of individuals with low parasitemia in asymptomatic populations



^{*} Limit of detection

Adapted with permission from PATH, pending publication: Das, S. et al. Performance of a high-sensitivity rapid diagnostic test for Plasmodium falciparum malaria in asymptomatic individuals from Uganda and Myanmar and naïve human challenge infections

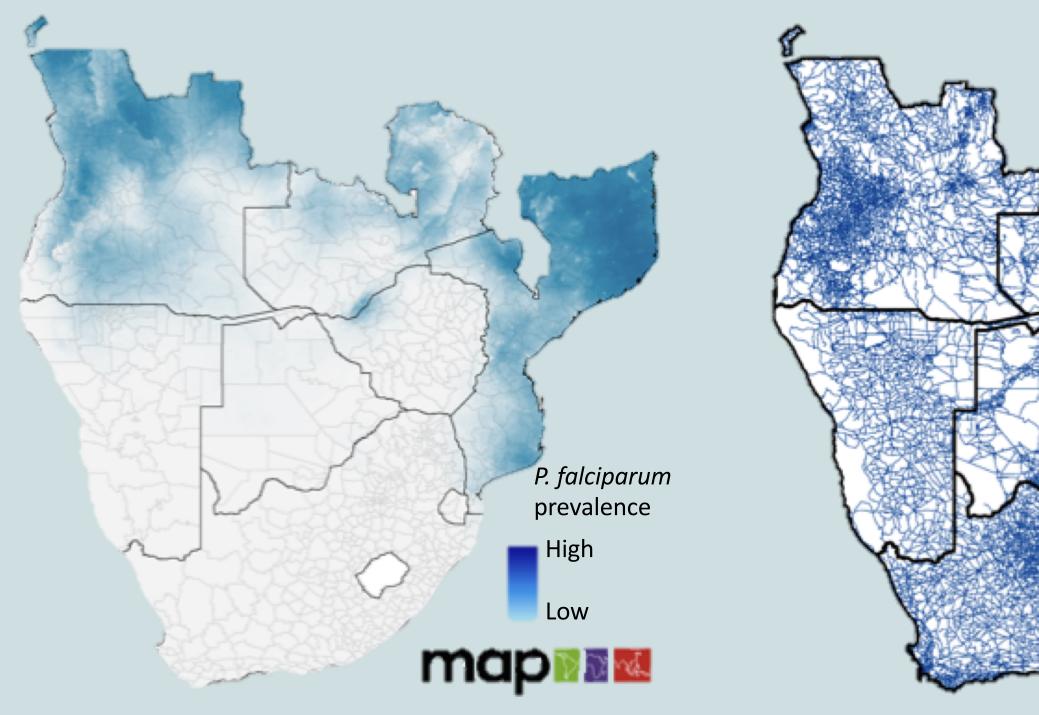


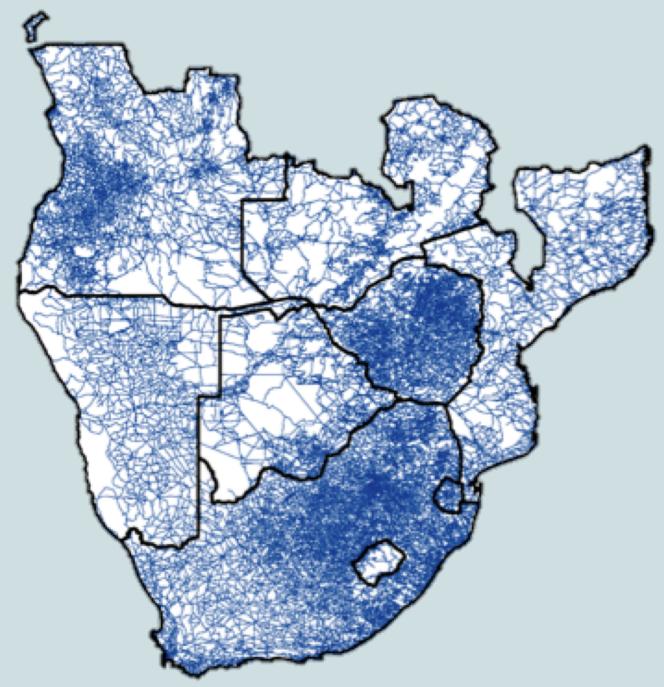


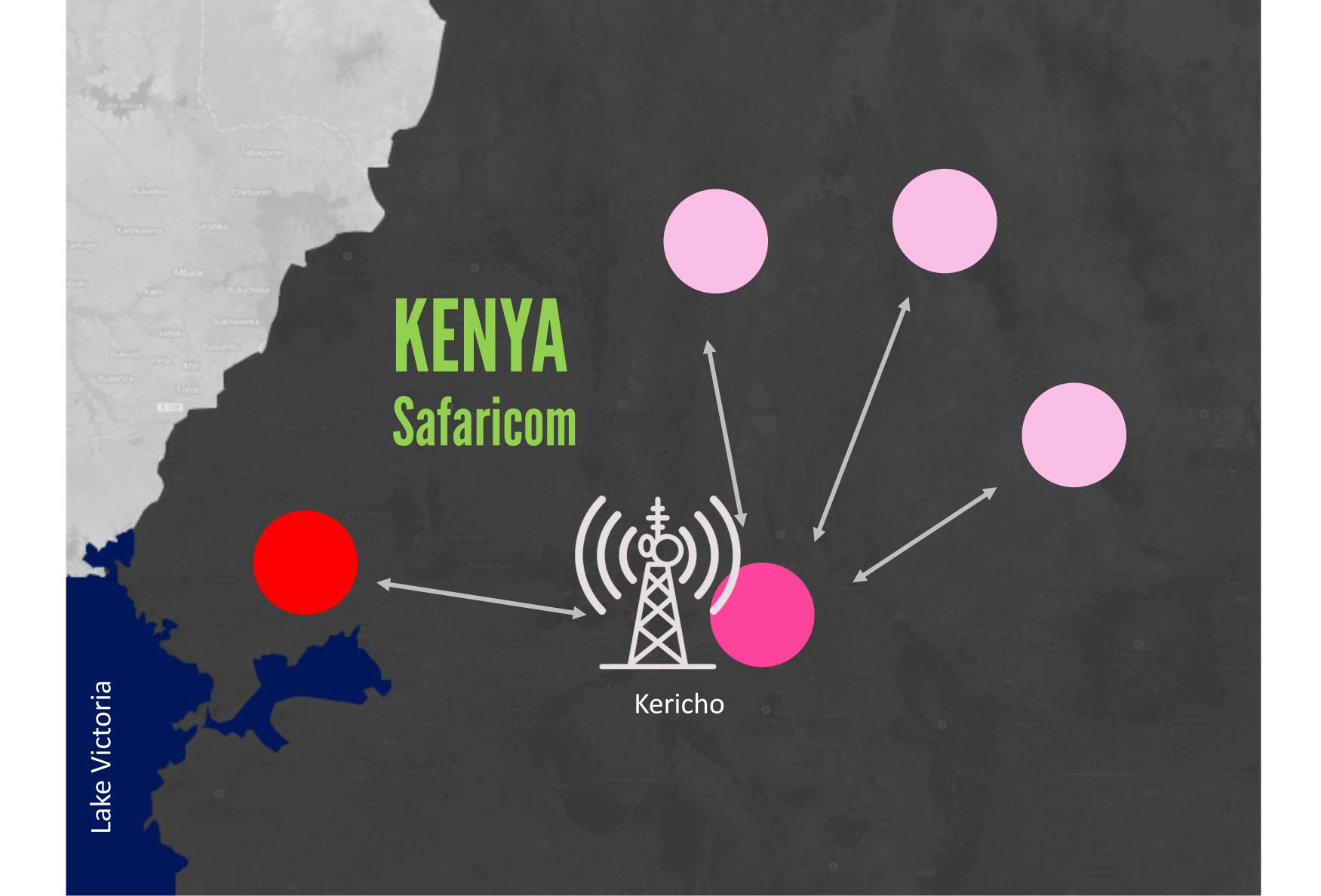
Malaria and Mobility

We live in an increasingly connected world and malaria does not respect national borders.

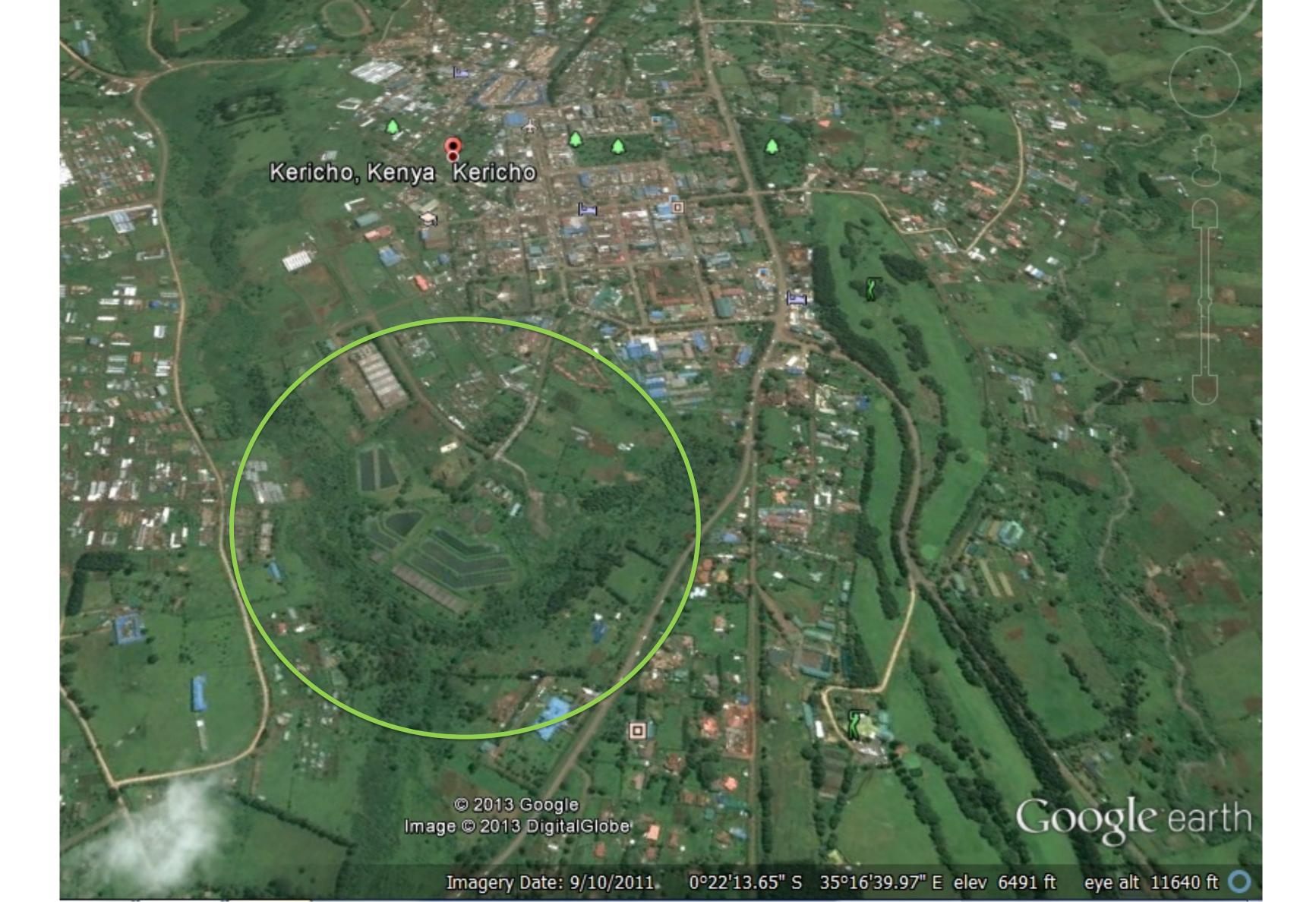
Thinking spatially, accounting for connectivity and collaborating regionally can be valuable for planning surveillance and designing appropriate attack strategies.







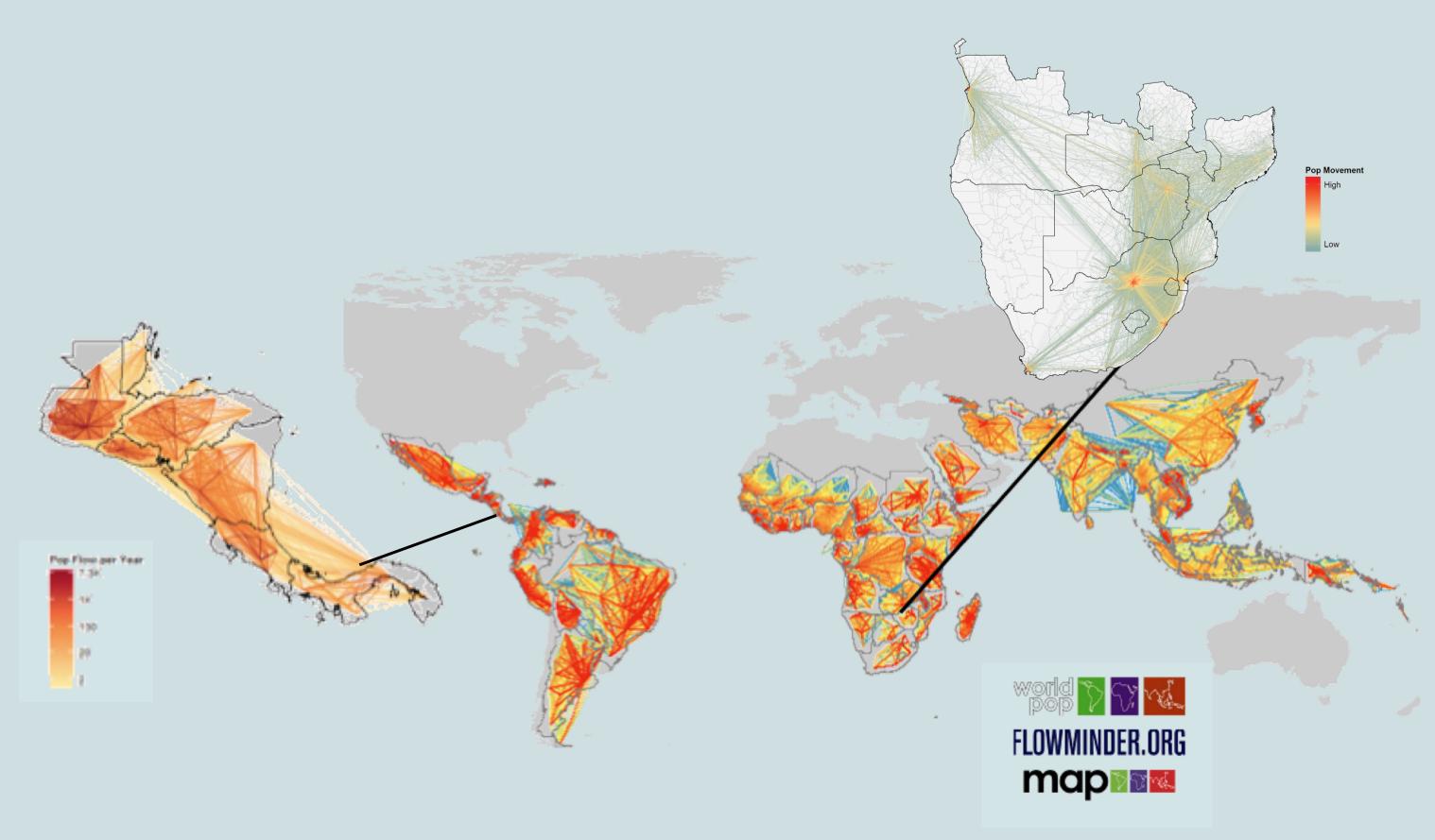






Mapping Global Connectivity

Traditional (e.g. census migration) and novel (e.g. mobile phones) datasets can help us measure human mobility and model how it connects the malaria endemic regions of the world.



Mapping Parasite Mobility

Integrating malaria maps with human movement data helps us understand the landscape of malaria parasite connectivity.

