



Dams & Health

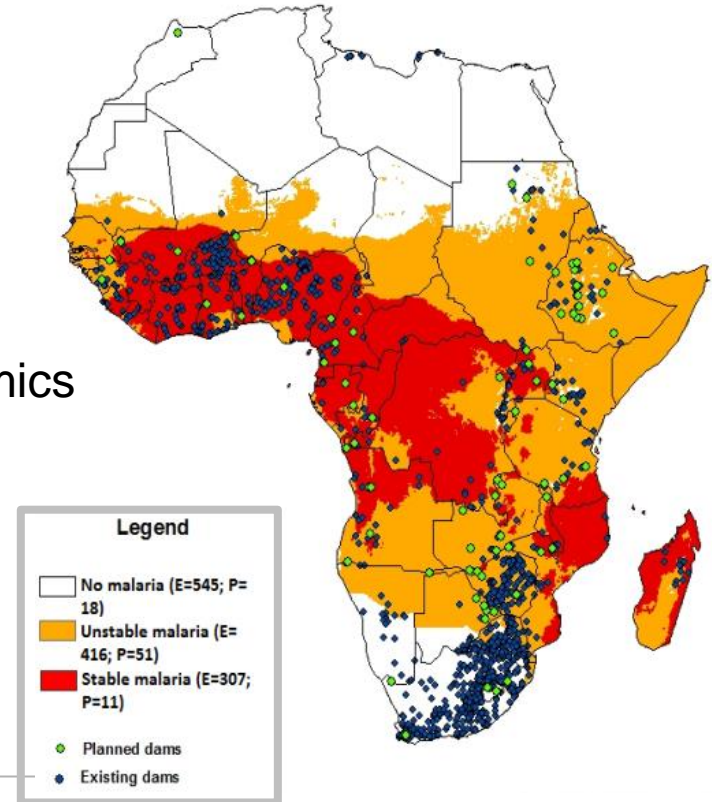
Eline Boelee

Basel: October 3, 2018

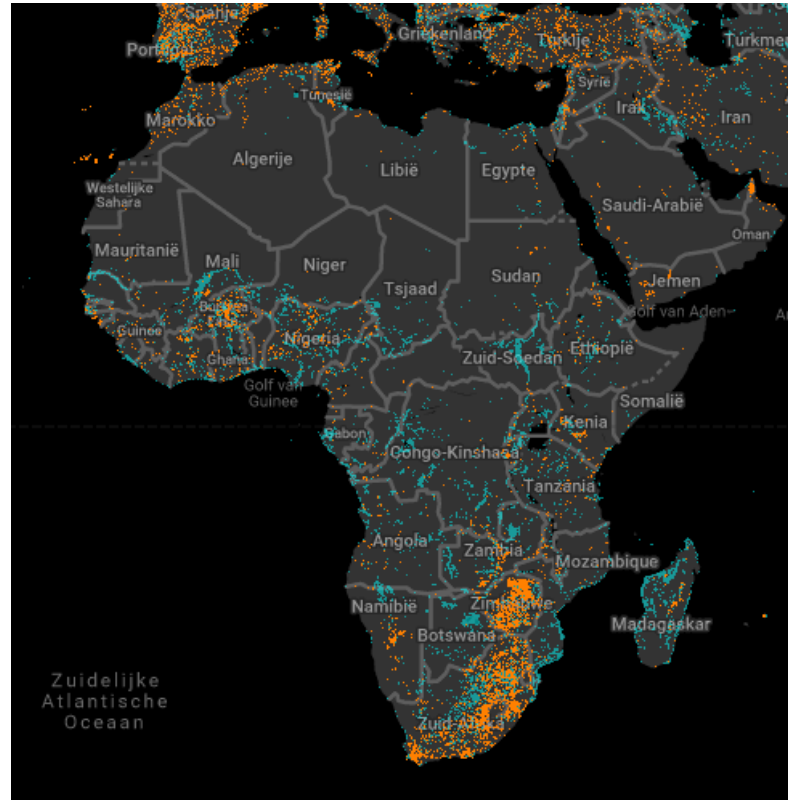
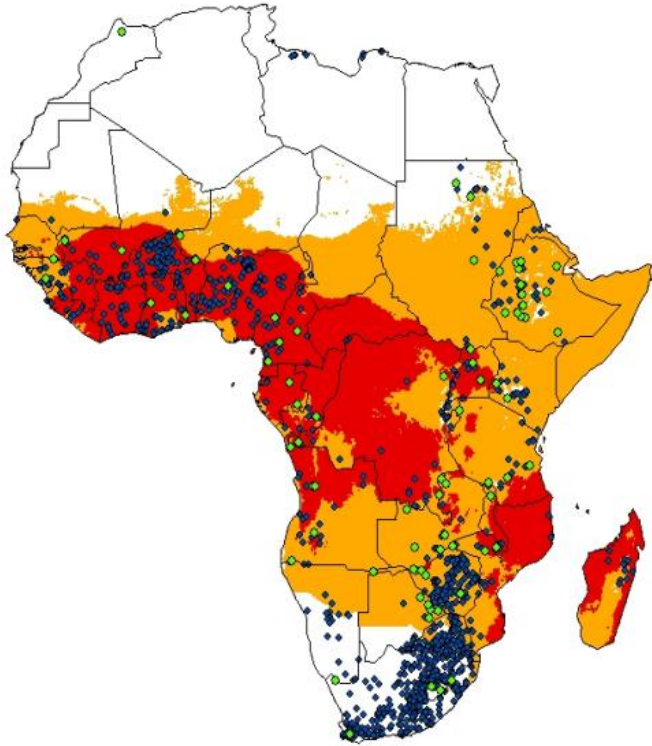
History



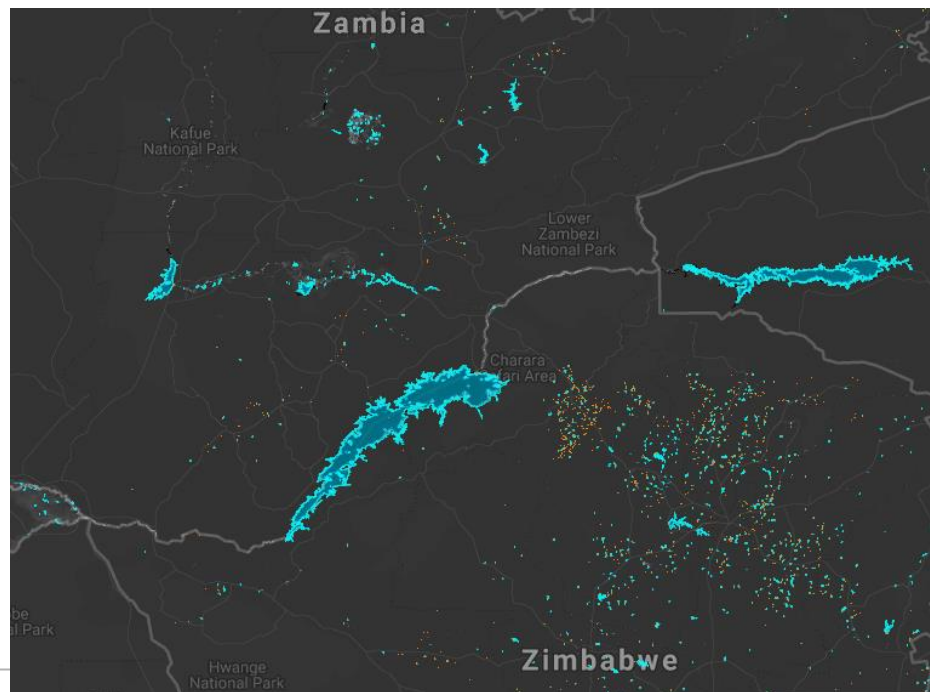
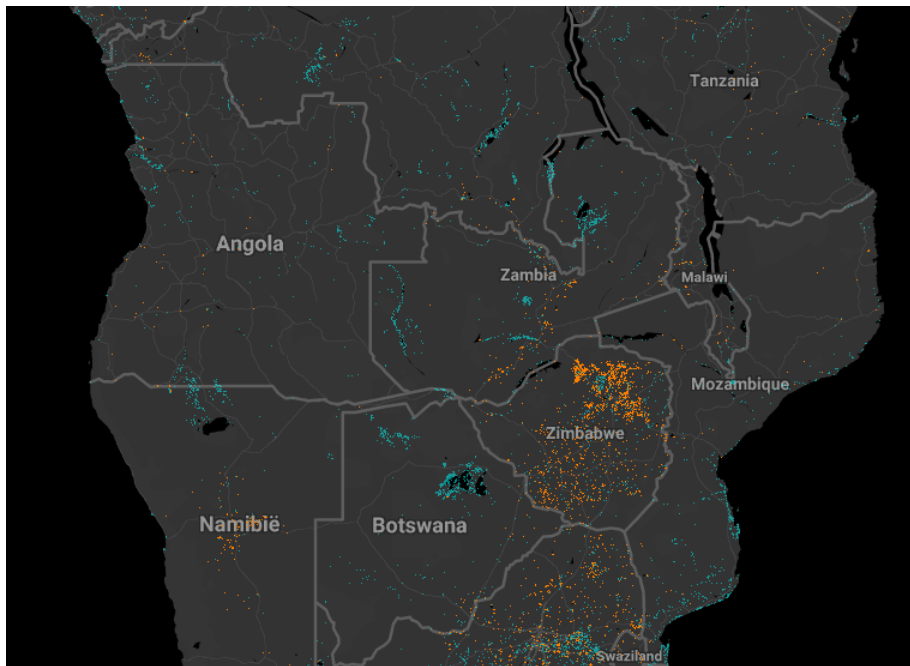
1. Small reservoirs / tanks and mosquito breeding / malaria in Sri Lanka, India
2. Small reservoirs and health in Morocco, Zimbabwe
3. Small Reservoirs Project 2004-2009
 - Planning, Storage/hydrology, **Ecosystems/health**, Institutions/economics
 - Sao Francisco, Volta, Limpopo Basins
4. Small dams & malaria in Ethiopia
5. Dam decision support systems
 - South Africa, Ethiopia
6. Large dams & malaria



On dams...



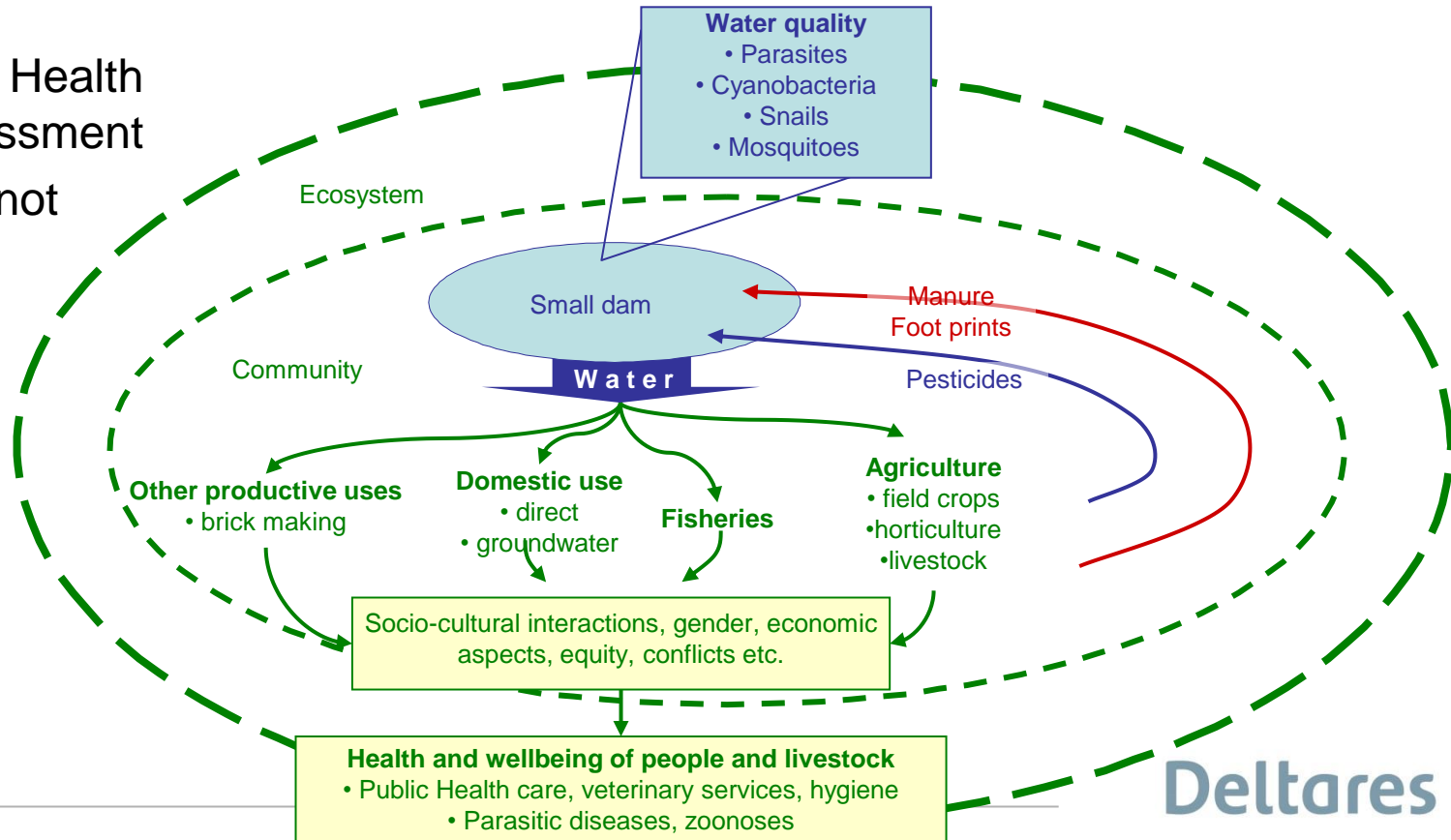
Zooming in



PHIA small reservoirs



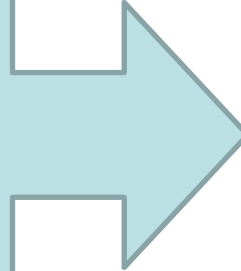
- Participatory Health Impact Assessment
- Descriptive, not quantitative



Health issues



- Improved food security
- Better livelihoods
- Water supply, bathing, hygiene
- Not necessarily more sanitation
- Reduced water quality
 - Harmful algal blooms
 - Chemical pollutions
- Breeding of vectors
 - Mosquitoes (malaria, viruses)
 - Snails (schistosomiasis)
- Other infectious diseases
- Strong link to water use, management



Plans



- Consortium ready
 - International Water Management Institute IWMI
 - International Food Policy Research Institute IFPRI
 - International Research Institute for Climate and Society - Earth Institute, Columbia University
 - University of California - UC Irvine
 - Swiss Tropical and Public Health Institute TPH
 - Liverpool School of Tropical Medicine
 - International Centre for Insect Physiology and Ecology ICIPE
- Flyer for World Water Week in Stockholm 2018
- Talk to donors
- Proposal development