

# Transmission and occurrence of *Leptospira* infection among livestock and humans in Uganda

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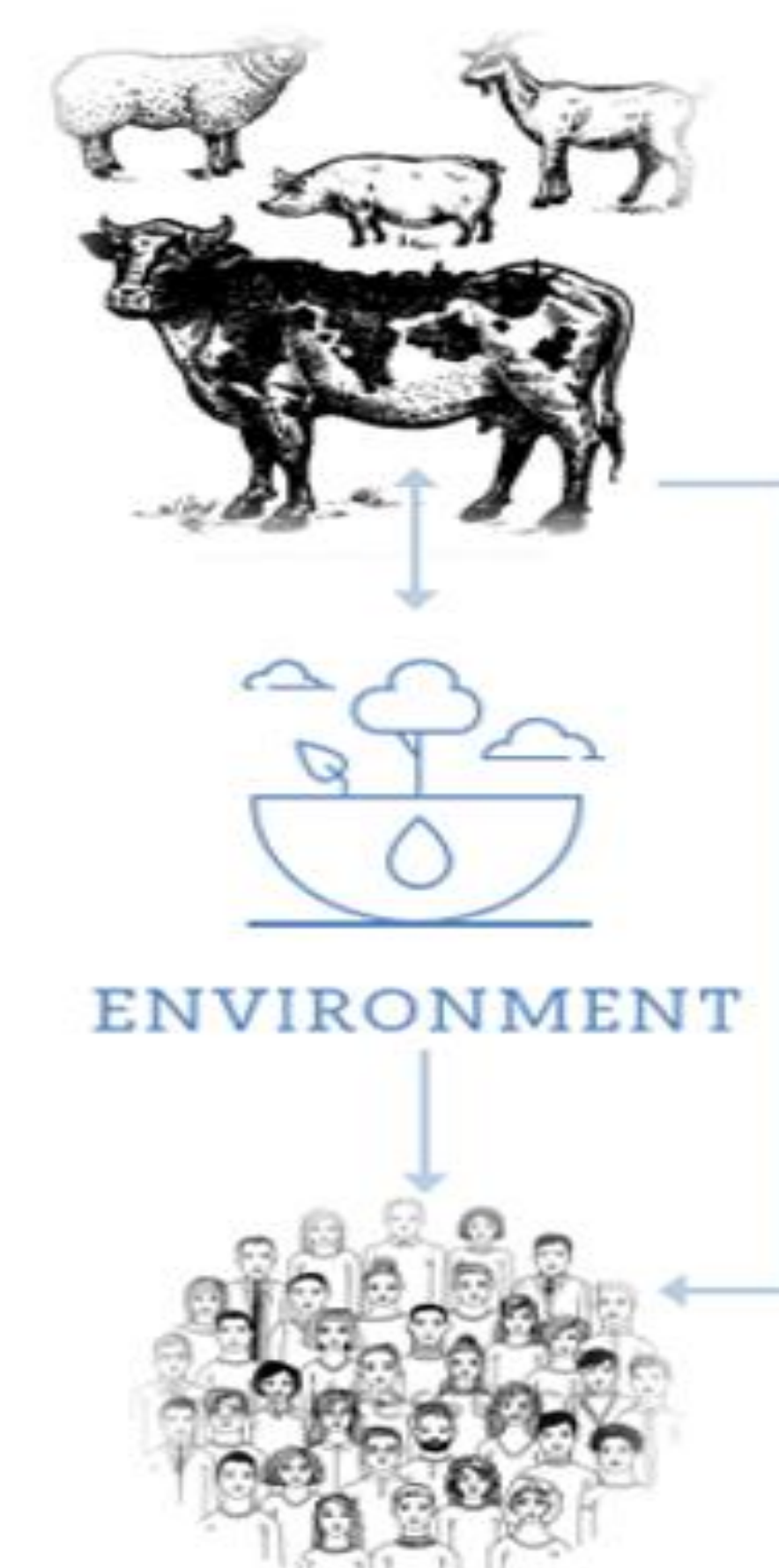
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## Introduction

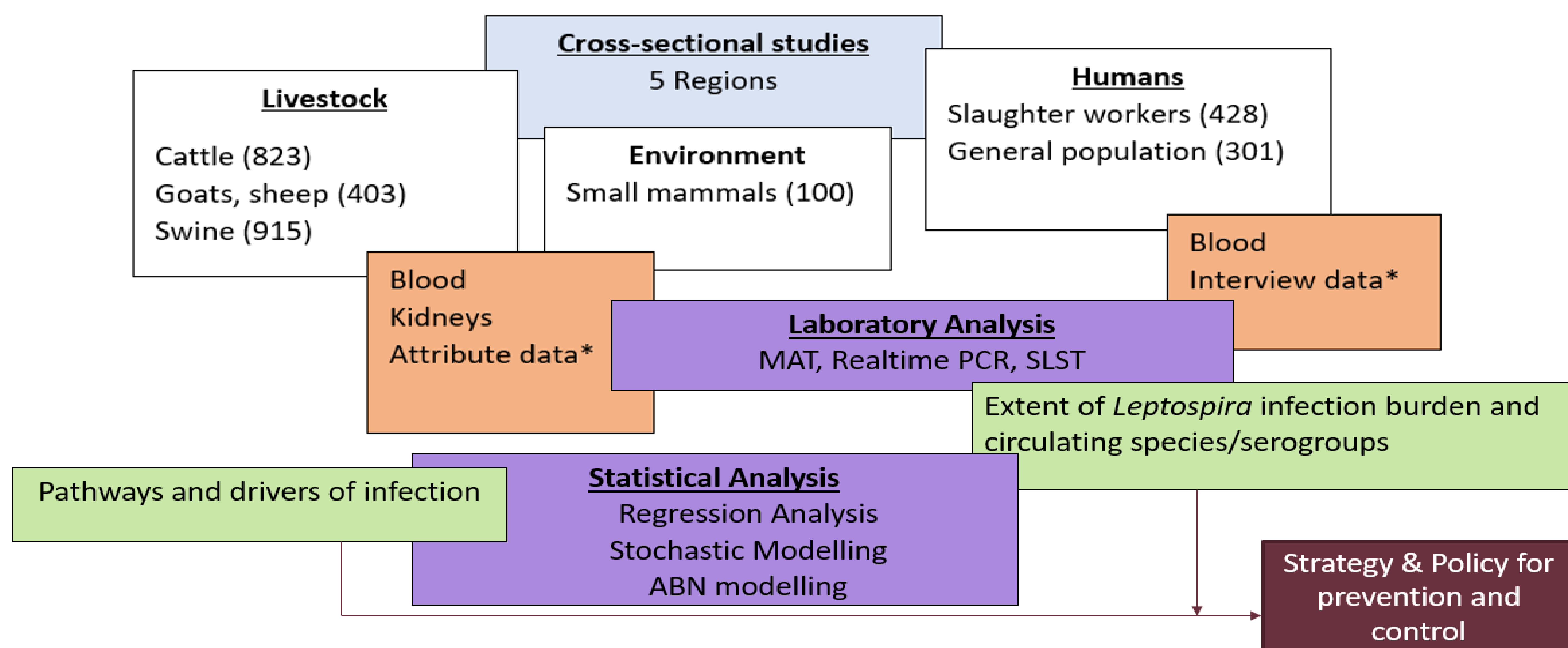
- *Leptospira*: bacteria that cause leptospirosis, a zoonotic disease endemic in the tropics
- Annual global morbidity of about 1,000,000 cases
- Livestock are implicated for human leptospirosis in Uganda

## Research Questions

- *Leptospira* reservoirs in Uganda... livestock or environment?
- How many people are exposed?
- Are people exposed to the same *Leptospira* species as in the reservoirs?
- How do people get the infection?



## Methods



## Findings

- Sampling of cattle and goats completed, and lab testing is ongoing.
- Collection of swine and rodent samples is ongoing at the last field site.

## Expected contribution to Uganda's livestock development agenda

- *Leptospira* spp identification will inform choice of vaccine & serodiagnostic profiles
- Mapping *Leptospira* infection by region may inform strategic control
- Identification of risk factors & potential pathways for *Leptospira* transmission will inform risk mitigation for slaughterhouse workers and the general population
- Fully funded doctoral training in Veterinary public health for a Ugandan fellow

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