A. Movement ecology

Empirical analyses of animal movement

Priority 1a
Link environment to spatial ecology of hosts and pathogens

Priority 2a
Link host social ecology to patterns of mobility and contact

B. Current gaps

Priority 1b
Combine pathogen shedding and acquisition behaviors with host movement trajectories to infer spatial ecology of transmission for individual hosts.

Priority 2b
Let host mobility and contact respond to conspecific densities, interspecies interactions, and host social ecology

C. Epidemiological landscape

Priority 1c
Predict host density, mobility, and contact from attributes of the local environment

Priority 2c
Predict host mobility and contact on the basis of host social structure

Spatial transmission traits and Transportable models