

At the wildlife/domestic Interface

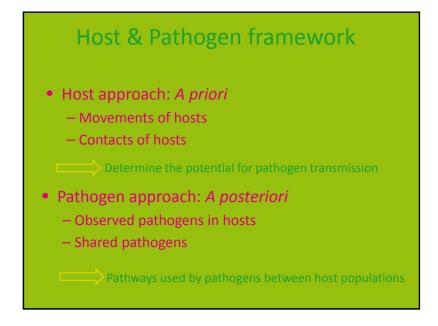
- 70% of emerging diseases with a link with wildlife
- Sanitary issue where wildlife & domestic systems are in interaction
- Protected areas often in remote places in contact with poorlivelihood domestic systems with little sanitary surveillance & control
- Spill-over processes between host populations or species

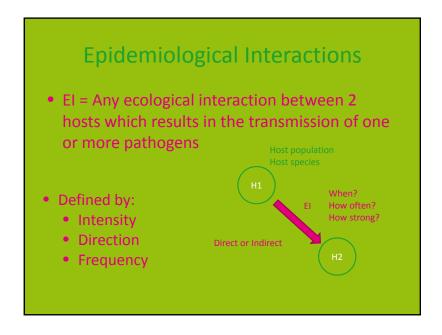
Hot spots of Emergence in tropical and sub-tropical ecosystems

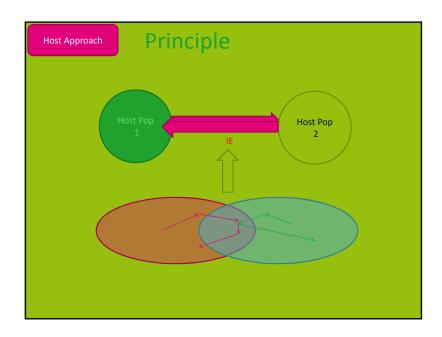
Describe and anticipate the emergence at this interface

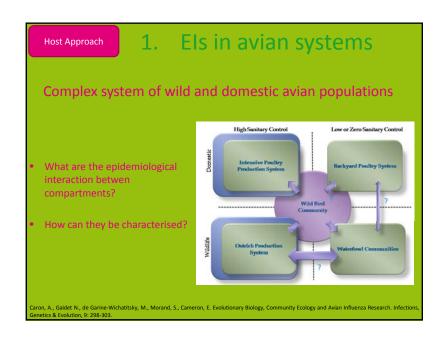
- Needs expertise from:
 - Epidemiology (classical, risk analysis, molecular epidemiology, etc.)
 - Ecology (evolutionnary biology, community ecology, landscape ecology, etc.)
 - Social sciences
- Already multidisplinary work exists

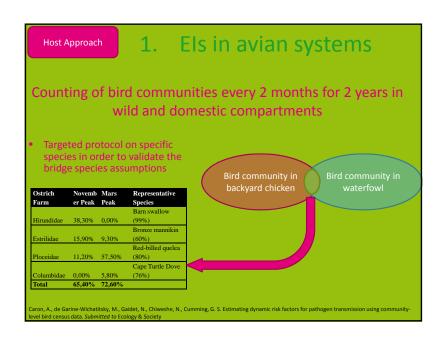


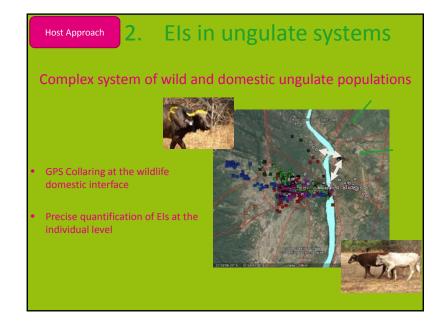


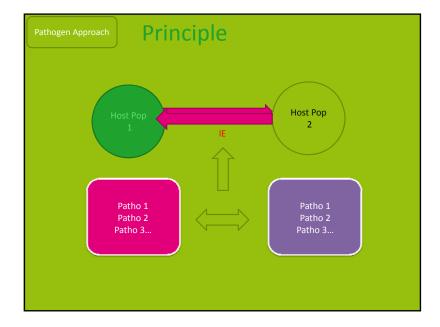








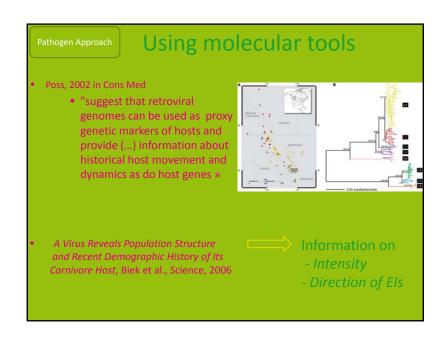


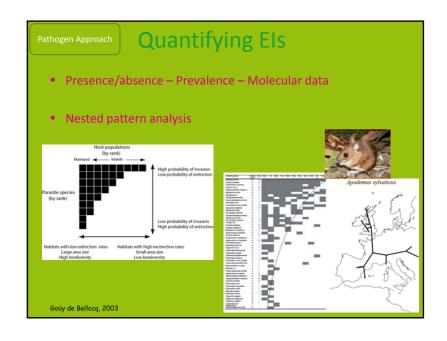


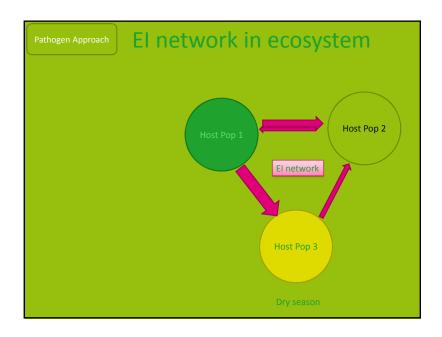
Pathogen Approach Type of epidemiological data

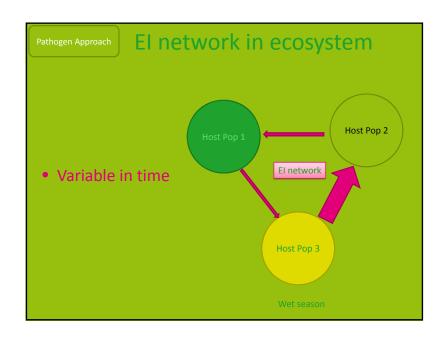
- Antibody detection → past and presence
- Pathogen detection → presence
- Incidence data
- Molecular data → gene and/or strain type

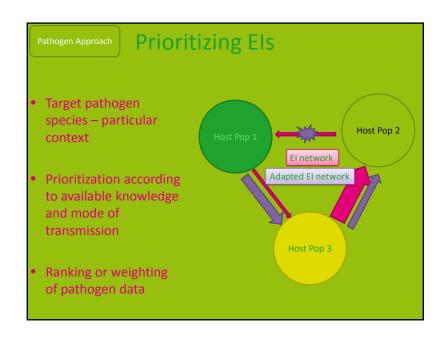
Pathogen Approach Community of pathogens The more pathogens screened for the stronger the prediction of El High variability in pathogen transmission mode – direct, indirect, vector-borne Sanitary Identity Card – SIC Presence-absence Need to control for phylogeny

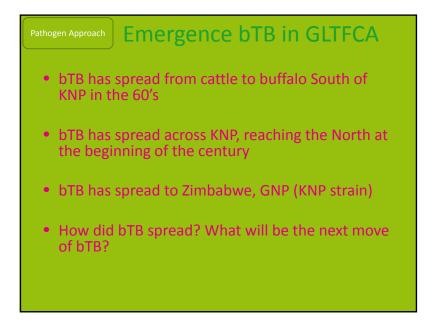


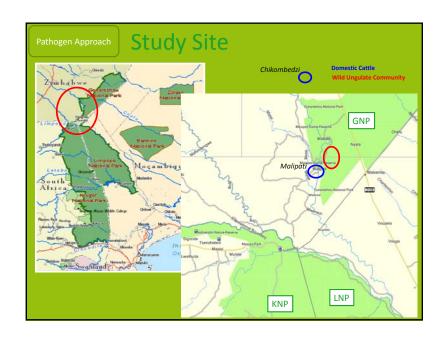


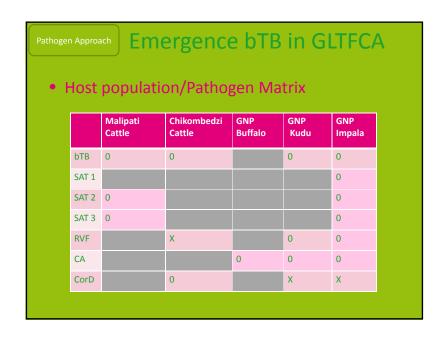


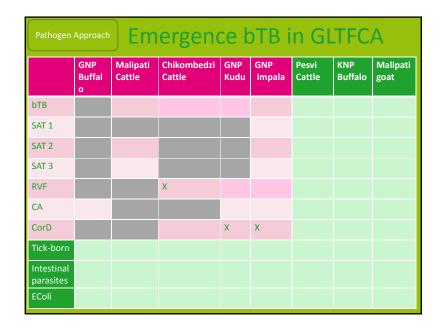


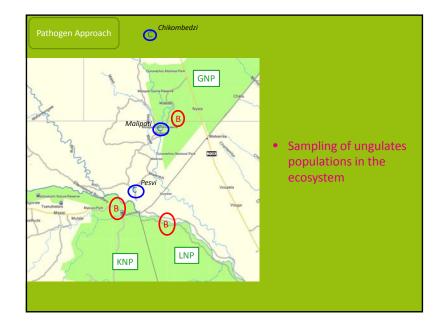


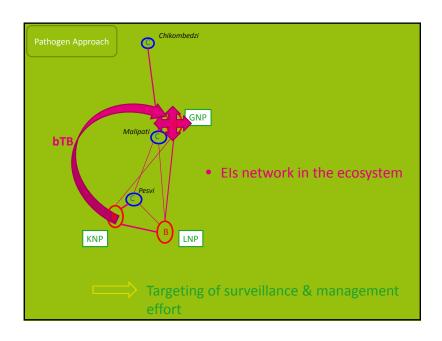


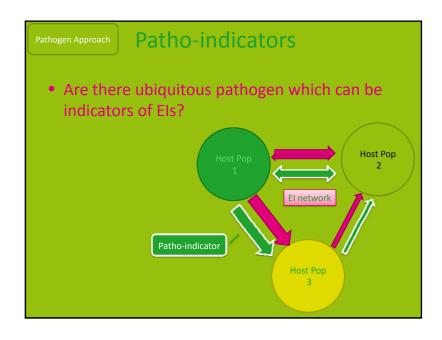


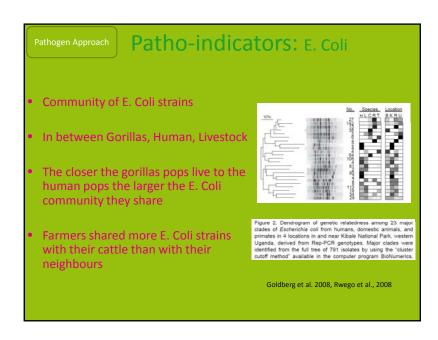


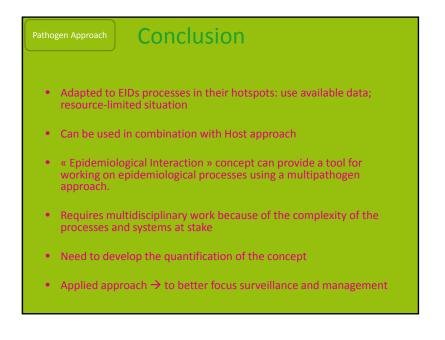












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- FPI, Uni. Of Cape Town
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- EU PARSEL project
- FMD CORUS project

