







What are the issues in the developing world in 2003:

- Food on the table,
- Health for all.
- **■** Good governance,
- Environmental Issues,



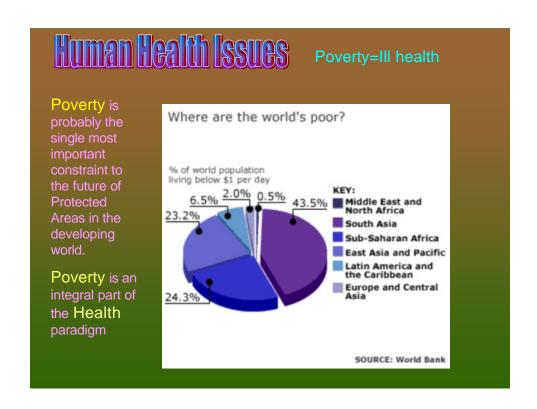


Boundaries between Protected Areas and People have historically created resentment in Africa-the Hard Edge of protectionism.

With colonialism ending attempts have been made to soften the Hard Edge through:

- CBNRM-pioneering CAMPFIRE program,
- Ecotourism ventures linked to CBNRM,Sustainable harvesting-grass and veld products,
- Promotion of cultural aspects of rural livelihood including crafts.

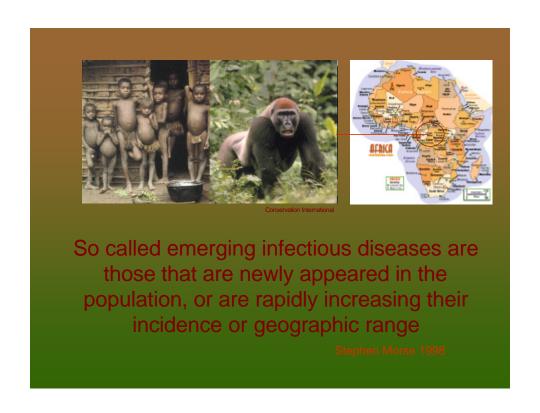
beyond boundaries and link HEALTH

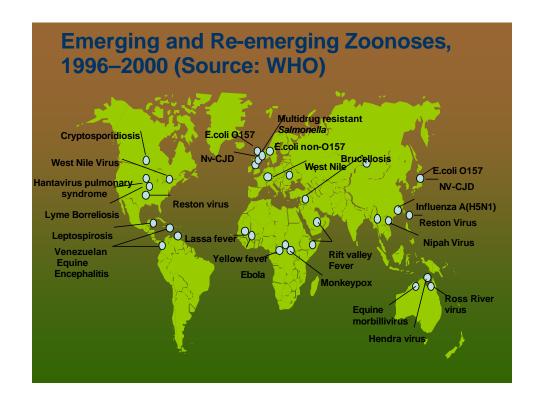


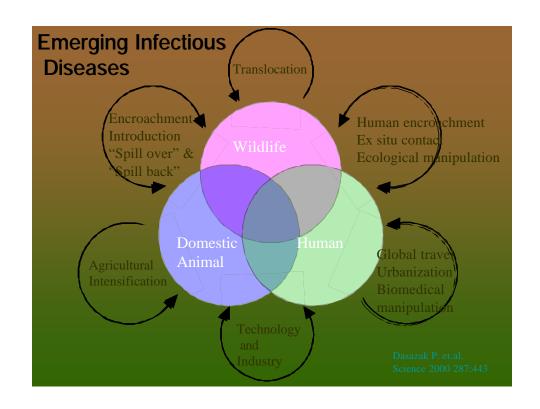
"To successfully reconcile the needs of people with challenges of saving wildlife in an increasingly human dominated world, we must develop a keen understanding of how disease interactions influence human, livestock, and wildlife health."

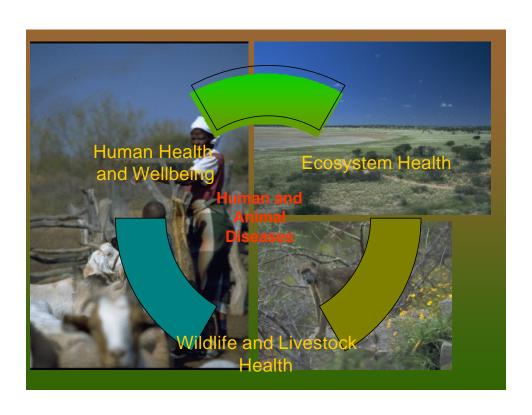


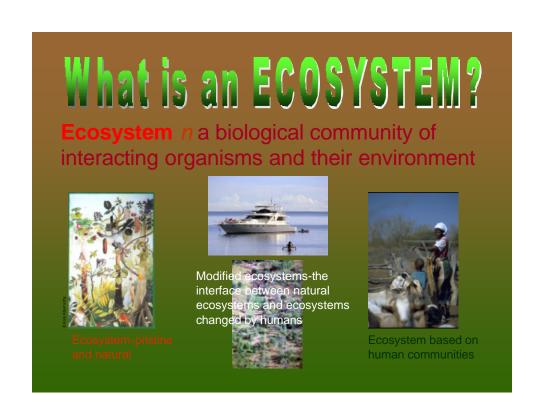
Wildlife Conservation Society

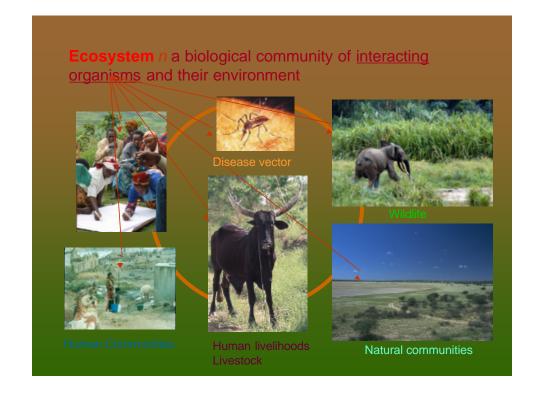












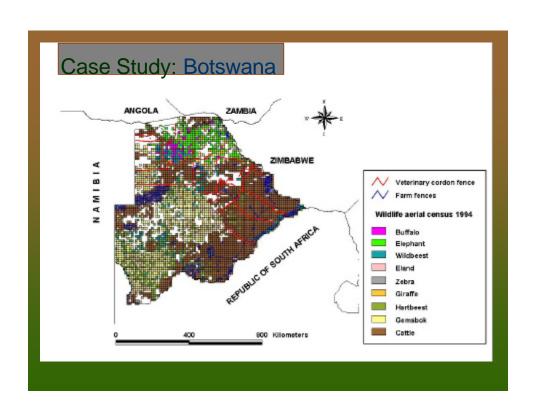
Can we define ECOSYSTEM HEALTH?

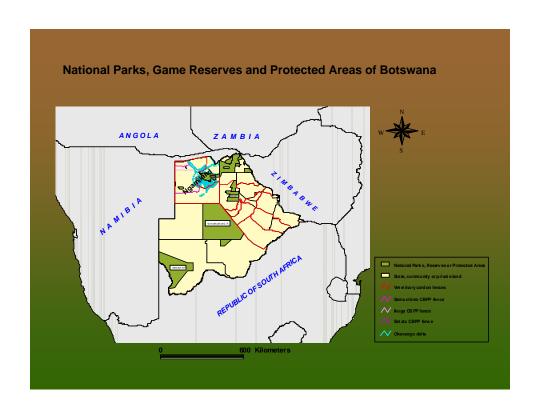
View the ECOSYSTEM as a patient-evaluate function in terms of objective standards that relate to systems capacity for:

1. Organization, 2. Vigor, and 3. Resilience

Health of an ECOSYSTEM and that of a HUMAN or a WILD ANIMAL are very similar when viewed through biomedical eyes:

- 1. Homeostasis-have balance between system components,
- 2. Absence of disease,
- 3. Diverse and complex,
- 4. Stable and resilient,
- 5. Vigor and scope for growth

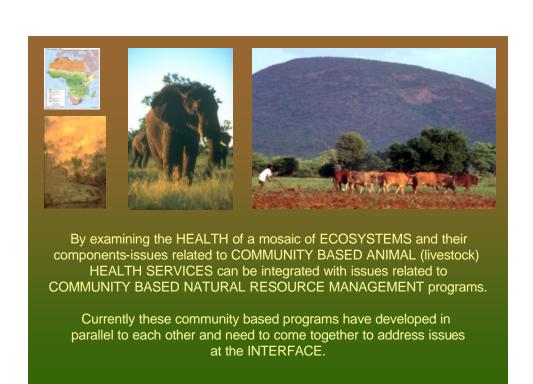


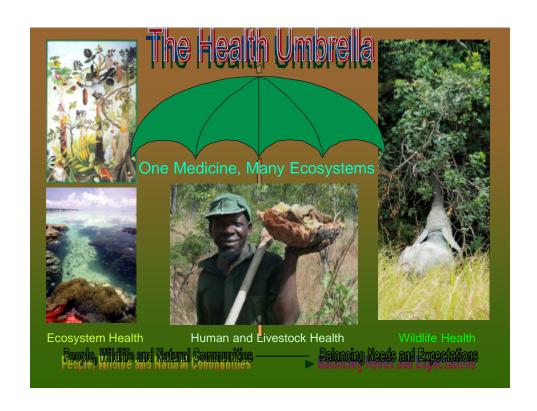


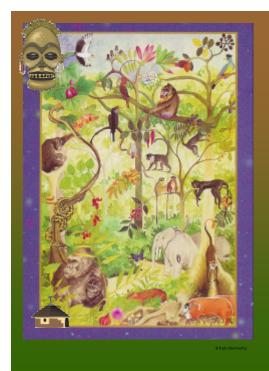
THE HEALTH PARADIGM AND DISEASE CONTROL

Let us move away from the classic approach to disease control, adopt a HOLISTIC approach and think in terms of ECOSYSTEMS and their HEALTH across LANDSCAPES. We need to adopt a concept of AGRICULTURAL ZONING rather than GEOGRAPHIC ZONING, i.e. designate agricultural (export) areas, identify key ecosystems, fence the agricultural areas but maintain or re-establish ecosystem integrity through corridors, conservancies etc.

BUT this requires "Out-of-the-Box" thinking....







Ecosystem Health is a societal goal and should the part of any Disease Control and Veteriniary Intervention program

Adopt a holistic approach to multiple and varied ecosystems-natural and human derived and consider the Health of ALL:

Health of ALL:

■ People,







HEALTH is everyone's business in relation to Protected Areas and the human and natural communities surrounding these areas.





