

















Removing Barriers to Wildlife Movement: Problems & Solutions

Future desired state:

 Widespread expansion of wildlife populations and long-term success of the KAZA TFCA are contingent upon the ability of large wild herbivores to move freely within and between countries

Current existing state:

 The monitoring of elephant and buffalo movements between Namibia and Botswana since 2007 has demonstrated the effectiveness of fences in preventing the movement of these species

Problems and Solutions

Problem

- Persistence of the prevailing paradigm around animal disease control and beef export markets is manifest in country policy frameworks responding to perverse and outdated economic incentives
- Reliance upon outmoded geographic-based approaches to disease control in response to policy
- Led to placement of an extensive network of VCFs across historical wildlife movement and migration routes both within and between countries

Problems and Solutions

Solutions:

Partner countries must:

- Work to maintain existing and possible future wildlife corridors
- Work to address the prevailing paradigm around animal disease control and beef markets, and introduce policy reform
- Introduce non geographic measures to manage disease and promote CBT of beef
- Agree to re-open and/or establish corridors through the removal of barriers to movement
- Agree that with or without fences, corridors will still be needed to ensure biological and ecological connectivity

Not just Fences... Other infrastructure includes...

- LARGE SCALE
- Roads and rail
- Riparian developments
 - · Human population growth and settlement expansion
 - Agro-industrial developments
 - Dams
 - Irrigation
- LOCAL SCALE
- Rura-urban elephants
- Urban growth
- Rural development hubs

LARGE SCALE ENVIRONMENTAL CHANGE

LARGE SCALE

- · Environmental perturbations
- · Floods and drought
- Climate change
- · Water scarcity

Requires planning for the future

- Science-based and Participatory Scenario Planning
- Across all development sectors
- · Where will elephants still persist in the KAZA landscape in 2050?
- It is only 30 years away

Risk diversification

- Diverse ecosystems & greater biodiversity across large landscapes
- · reduces risk to natural systems,
- provides greater resilience to natural catostrophes, disease outbreaks and climatic challenges
- Economic diversification spreads risk and imparts resilience to local economies faced with various environmental, economic & socio-political challenges
- Provides for multispecies animal production systems and circumvents the "cattle versus wildlife" dichotomy, avoids option foreclosure and promotes a win-win situation for all







Objective 3 Promote and support co-existence of humans and elephants for ecological, social and economic benefits

- Build capacity on use of mitgation techniques and safety around elephants
- Provide alternative water sources for people and elephants
- Adopt climate smart conservation agriculture



