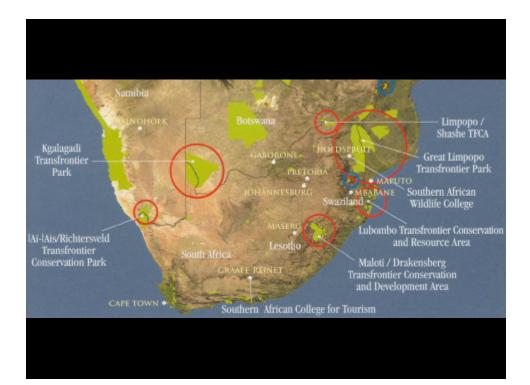
TRANSFRONTIER CONSERVATION INITIATIVES : SOME ANIMAL HEALTH CHALLENGES.

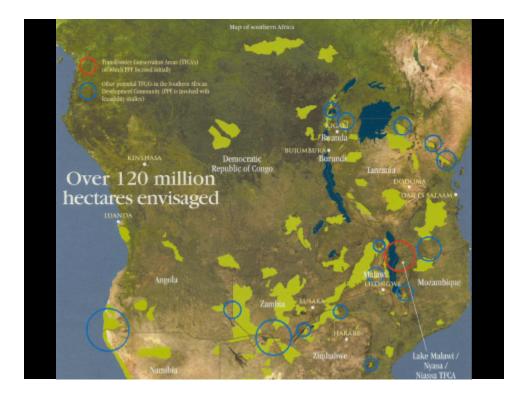
ROY G. BENGIS

SUB-SAHARAN AFRICA : THE CURRENT SITUATION

- SEVEN TFCA'S ALREADY ESTABLISHED OR AGREEMENTS SIGNED BY PARTICIPANTS.
- A FURTHER FIFTEEN POTENTIAL TFCA'S HAVE BEEN IDENTIFIED BY THE PEACE PARKS FOUNDATION









RISK FACTORS

ENVIRONMENTAL RISK FACTORS

CLIMATE

- MEAN TEMPERATURE
- RAINFALL
- ALTITUDE

HABITATS AND LANDSCAPES

-ARID -TEMPERATE -TROPICAL DESERT SAVANNAHS RAIN FORESTS

RISK FACTORS ASSOCIATED WITH WILDLIFE SPECIES MIX

- **BUFFALO** FMD, TB, BRUCELLA, THEILERIOSIS & TRYPANOSOMIASIS
- WILD PORCINES ASF, TB TRYPANOSOMIASIS
- TRAGELAPHIDS TRYPANOSOMIASIS, FMD, TB & ANTHRAX
- WILDEBEEST ALCELAPHINE MCF
- ZEBRA AHS

DISEASE RISKS ASSOCIATED WITH DOMESTIC ANIMALS

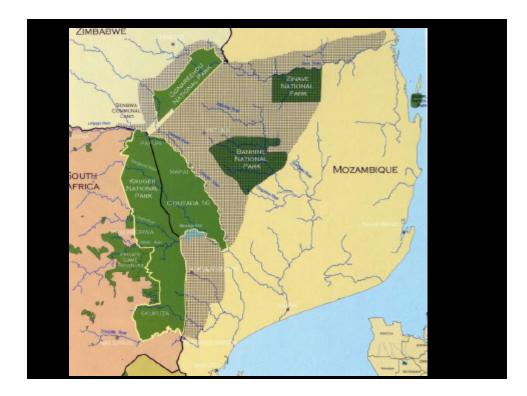
- RINDERPEST
- BOVINE TB
- CANINE DISTEMPER
- RABIES

EXTENT AND TYPE OF INTERFACE

- FOCAL
- LINEAR
- DIFFUSE

IMPORTANT FOR DIRECTLY CONTAGIOUS AND TICK-BORNE DISEASES

THE GREAT LIMPOPO TRANSFRONTIER PARK – A POTENTIAL CASE STUDY



CURRENT STATUS RATIFIED TREATY - SIGNED JOINT MANAGEMENT BOARD WITH SUPPORTING COMMITTEES - IN PLACE FENCES HAVE NOT YET BEEN DROPPED SENGWE CORRIDOR IS NOT YET FUNCTIONAL PLAINS GAME, ELEPHANTS, GIRAFFE AND RHINO HAVE BEEN TRANSLOCATED TO A FENCED CORE SANCTUARY AREA IN LIMPOPO NATIONAL PARK

RISK FACTORS

- SUB-TROPICAL CLIMATE.
- LOWVELD SAVANNAH ECOSYSTEM
- MOST DISEASE MAINTENANCE HOSTS ARE PRESENT
- EASTERN SIDE IS UNFENCED DIFFUSE INTERFACE
- WESTERN SIDE IS FENCED LINEAR INTERFACE
- DISEASE STATUS OF DOMESTIC ANIMALS ON BORDERS – LARGELY UNKNOWN.

DISEASE RISKS - ZIMBABWE

• LIVESTOCK AND WILDLIFE

-BOVINE TB FROM THE KRUGER NATIONAL PARK

- CYCLICAL ANTHRAX EPIDEMICS

DISEASE RISKS -MOZAMBIQUE

• LIVESTOCK – (EASTERN DIFFUSE INTERFACE) -WILDLIFE ASSOCIATED INFECTIONS FROM KRUGER NATIONAL PARK

• WILDLIFE

- BOVINE TB FROM KRUGER NATIONAL PARK
- RABIES LOCAL DOMESTIC DOGS
- CANINE DISTEMPER LOCAL DOMESTIC DOGS

DISEASE RISKS – SOUTH AFRICA (KRUGER)

- TSETSE FLY / NAGANA GONAREZHOU.
- NEW TOPOTYPES FMD VIRUS FROM GONAREZHOU
- RABIES AND CANINE DISTEMPER FROM LIMPOPO NATIONAL PARK

CONCLUSIONS

- TFCA'S ARE POSITIVE INITIATIVES WITH REGARDS TO BIODIVERSITY CONSERVATION AND ECOTOURISM.
- TFCA'S INTRODUCE NEW ANIMAL HEALTH CHALLENGES.
- PRO-ACTIVE PLANNING AND DEVELOPMENT OF APPROPRIATE DISEASE MANAGEMENT STRATEGIES