

Overview of TADS at the interface: status, challenges, opportunities

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Endemic Diseases

DISEASE	SPECIES AFFECTED	IMPORTANCE
Foot & mouth disease	Cloven-hoofed animals	Trade restrictions
Anthrax	Mammals	Mortality; zoonosis
Rift Valley fever	Ruminants	Mortality; zoonosis
Heartwater	Ruminants	Mortality
Trypanosomosis	Mammals	Mortality; production; zoonosis
Rabies	Mammals	Mortality; zoonosis
Bovine brucellosis	Cattle; other mammals	Production; zoonosis
Bovine tuberculosis	Cattle; other mammals	Mortality; production; zoonosis
Theileriosis (Corridor)	Cattle	Mortality
Malignant catarrh	Cattle	Mortality
African swine fever	Pigs	Mortality; trade restrictions
Notifiable avian 'flu	Birds	Mortality; trade restrictions

Challenges

- Animal/human health issues
 - Mortality/disease in livestock and wildlife
 - Zoonoses
- Animal production issues
 - Quantity and quality
- TADs control becoming more difficult
- Trade issues: focus on FMD – the ‘manufactured plague’



Health and Production

- Mortality, e.g. ASF in domestic pigs, CD & MCF in cattle, bovine TB in wildlife; rabies
- Loss of production and productivity

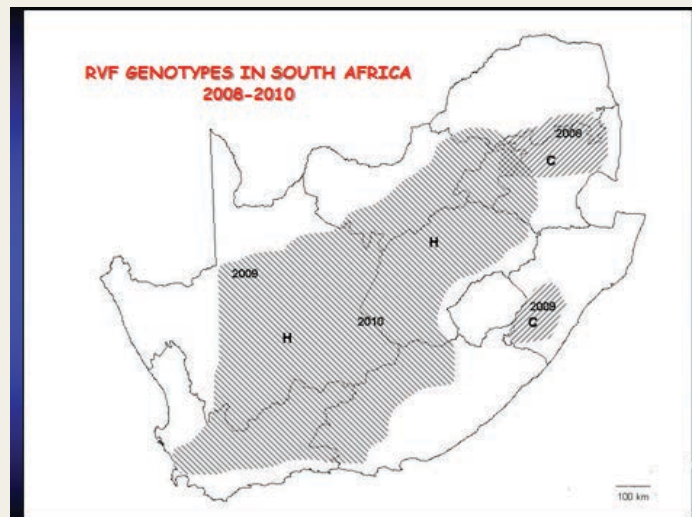


Anthrax

- Periodic outbreaks in wildlife and livestock with high mortality
- Current outbreak in KNP – 10-year cycle



RVF



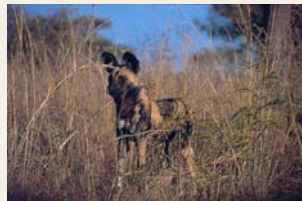
Trypanosomosis

- Effects on cattle range from mortality to chronic debility
- Zoonosis
- No vaccine
- Wildlife reservoirs



Rabies

- Domestic dogs/wildlife
- Caprivi – cattle mortalities reported exceed those of other species



African swine fever

- Sylvatic cycle in warthogs and argasid ticks in Southern and East Africa
- Can cause high mortality in domestic pigs
- No vaccine is available



Notifiable avian influenza

- Southern Africa so far spared H5N1 AI
- H5N2 has caused devastating losses in the ostrich industry largely due to culling policy
- Source likely wild ducks, geese



Opportunities

- Focus on food safety and food security, livelihoods and poverty alleviation
- Increased demand for meat in diverse markets
- Shift from traditional to commercial production
- Community-based animal health care
- FMD no longer a major barrier to trade?

