

DEVELOPING A PARTNERSHIP FOR FMD RESEARCH IN SOUTHERN AFRICA

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SADC Priority TADs and Zoonoses

(SADC CVOs 2003)

- | |
|---|
| 1. FMD |
| 2. CBPP |
| 3 - 5. RVF; LSD; ASF |
| 6 - 12. ND/IBD/ FOWL POX/ Salmonellosis |
| 13 - 14. CCPP; ruminant Salmonellosis |
| 15 – 16. Bovine TB – Brucellosis - Rabies |
| 17-18. Rinderpest; PPR |
| 19. HPAI |
| 20. BSE |
| 21+. etc |

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Using Community of Practice Approaches to foster Collaborative Research Partnerships with Others

An Example of Foot-and-Mouth Disease

Key Qn: What contributes to FMD endemicity in Southern and East Africa and what options for its risk management?

FMD – Poverty Impacts in Africa

Understanding the impact of FMD on the livelihoods of livestock-reliant communities in Africa has been largely neglected

But pastoralists in East Africa consider FMD as one of the most important diseases of livestock

- reduced productivity (milk production, mortality of young stock)
- draft power
- losses contribute to declining livestock production base
- impacts upon poverty and nutrition

Partnership for FMD Research in Southern Africa:

Contribution from the following projects:
SACIDS (Wellcome Trust), CIDLID (BBSRC-DfID), SADC TADs, National Govts e.g. ASDP

- **Tanzania:**
 - Central Veterinary Laboratory (CVL)
 - Sokoine University of Agriculture (SUA)
 - Tanzania Wildlife Research Institute (TAWIRI)
 - National Epidemiology Unit (NEU)
- **Zambia:**
 - University of Zambia (UNZA)
 - Central Veterinary Research Institute (CVRI)
- **SADC SECRETARIAT:** SADC TADs Regional Project
- **Republic of South Africa:** ARC-Onderstepoort Veterinary Institute (OVI)
- **Botswana:** Botswana Vaccine Institute (BVI)
- **United Kingdom:**
 - Royal Veterinary College, London (Professor Brownlie)
 - University of Glasgow (Dan Haydon, Sarah Cleaveland, Richard Reeve)
 - World Reference Laboratory for FMD, Pirbright (IAH)
 - University of Edinburgh (Professor Brian Perry)

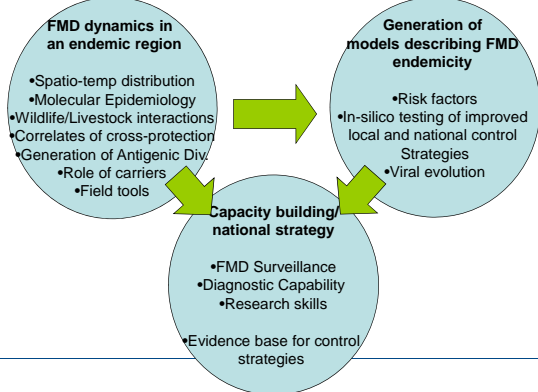
Mapping the Diversity of Viruses in Understanding endemic FMD

Wildlife, particularly buffalo, are likely to be important reservoirs of FMD in Tanzania



Sampling wildlife and livestock around protected areas will allow us to map the genetic diversity of FMD viruses across Tanzania

Principal Objectives



Livestock sampling: Tanzania, April 2010

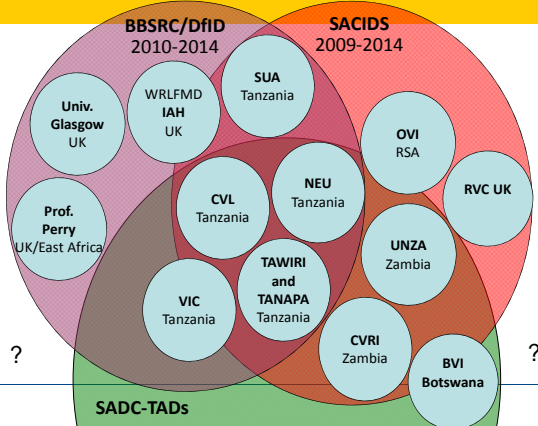


Buffalo sampling: Serengeti, Tanzania April 2010



Laboratory visit: Dar-es Salaam, Tanzania April 2010

Proposed FMD Program: SACIDS/CIDLID BBSRC-DfID/SADC-TADs Partners



The screenshot shows the SACIDS website with the following content:

- SOUTHERN AFRICAN CENTRE FOR INFECTIOUS DISEASE SURVEILLANCE**
- One Africa One Health**
- VISION**: A southern African society protected from devastating infectious diseases affecting the health of humans, animals (i.e. both terrestrial and aquatic) and plants (i.e. crop, forest and ornamental), thereby promoting livelihoods, socio-economic development including market access and the environment.
- MISSION**: To harness innovation in science and technology in order to improve southern Africa's capacity (including human, financial and physical) to detect, identify and monitor infectious diseases of humans, animals, plants and their interactions in order to better manage the risk posed by them.
- PHILOSOPHY**: To work towards One Africa, One health in the context of One World One Health vision.
- OUR CONTACTS**: www.sacids.org
- Sponsors**: Google.org, Global Health Corps, Rockefeller Foundation, Wellcome Trust

"New tools and challenges for progressive control"

Open Session of the EuFMD Research Group, Vienna (Austria) 29 September - 1 October 2010