




OIE Collaborating Centre for Training in Integrated Livestock and Wildlife Health and Management

OIE Collaborating Centre for Training in Integrated Livestock and Wildlife Health and Management, Onderstepoort



VETERINARY BACKGROUND

SADC



TECHNOLOGY

Development of the Centre



- Proposal - OIE Collaboration Centre 29 January 2009
- African Commission 24 February 2009
- International Commission of the OIE 26 May 2009
- Arusha: Veterinary Deans and Registrars of the SADC region 2 – 4 September 2009
- Regional OIE office, Gaborone, Botswana 11 – 14 September 2009
- SADC Foot-and-mouth disease project and OIE regional office, Gaborone, Botswana 2 – 3 November 2009
- Workshop: Clarify issues of development and implementation of OIE Collaborating Centre 11 November 2009



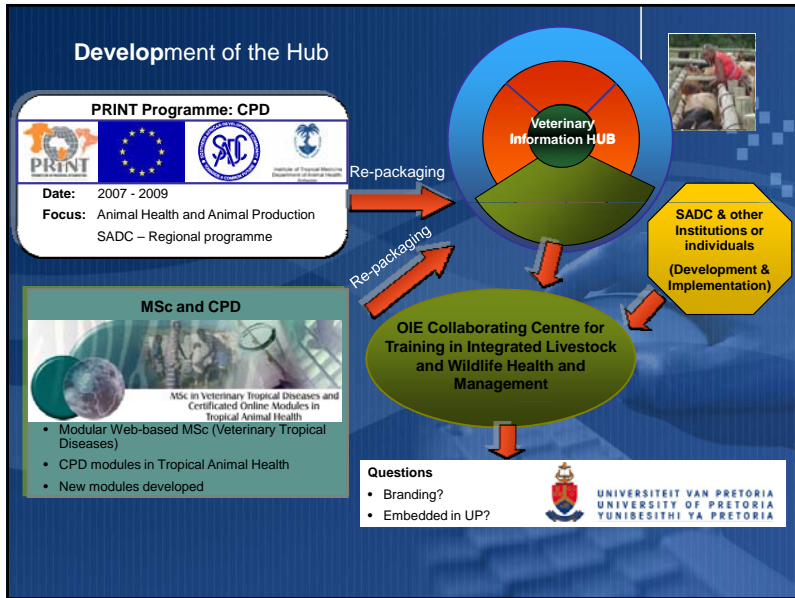
Consortium Partner Institutions



The activities of the proposed collaborating Centre will be supported by the following institutions:

- Lead Institution: Department of Veterinary Tropical Diseases, Faculty of Veterinary Science, UP, SA (Contact person: Prof JAW Coetzer)
- University of Pretoria (Centre for Veterinary Wildlife Studies, Department of Animal and Wildlife Sciences, Department of Agricultural Economics, Extension and Rural Development)
- Onderstepoort Veterinary Institute (OVI), SA
- Institute of Tropical Medicine (ITM), Antwerp
- National Institute for Communicable Diseases, SA
- Department of Agriculture, Forestry and Fisheries, SA
- Others in SADC?





OIE Collaborating Centre for Training in Integrated Livestock and Wildlife Health and Management

Focus:
 Integrated disease management at the wildlife / livestock / human interface
 • One Health (Background, Introduction and Concepts)

Objectives / Outcomes:
 • Quality livelihoods • Optimal animal health and production • Rural development
 • Ecosystem health • Biodiversity • Food security • Sustainability

OIE Collaborating Centre

OIE Collaborating Centre for Training in Integrated Livestock and Wildlife Health and Management

CPD Programmes / Packages:

Livestock health, management and production	Wildlife health, management and production
Emerging and re-emerging diseases	Zoonoses
Environmental health	Arthropod vectors
Veterinary public health / Food safety	Trade and marketing of animal commodities and products
Welfare	Health management tools

OIE Collaborating Centre

Accreditation

- South African Veterinary Council

UNIVERSITEIT VAN PRETORIA
 UNIVERSITY OF PRETORIA

Disease Information Platforms / Bulletins



Bulletin

Foot-and-Mouth Disease: Southern Africa

Monday 18 January, 2010

About the FMD Bulletin for Southern Africa.

Acknowledgements:
ReLaS - OIE/FMO Foot-and-Mouth Disease Reference Laboratories Information System

To subscribe please contact the FMD Site Administrator



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OIE CC Action Plan 2010: Courses: Presentation



Arusha: 15 - 19 March 2010

- Training workshop: Surveillance and reporting of animal disease at the wildlife, livestock and human interface with particular reference to the SADC Region

Italy: April and May 2010

- Two training courses on Exotic Animal Diseases dealing with ticks and tick-borne diseases, mosquito and Culicoides vectors, and vector-borne and other transboundary diseases



Thank you!




livestock health, management and production

Livestock health, management and production

- Introduction: background, concepts, context
- Livestock production
- High impact diseases
- Selected helminths
- Animal health management

BACK




livestock health, management and production

Livestock production

- Livestock production systems
- Production environment and animal production functions
- Product quality and quality assurance
- Application of quality assurance to production systems
- An overview of animal-derived commodities
- Meat, milk and egg production in SADC
- Quality and nutrient composition of meat, milk, eggs
- Meat: issues that affect quality and marketability
- Value adding along production and processing chain

BACK




livestock health, management and production

High impact diseases

- Contagious diseases:
 - FMD, CSF, ASF, TB, CBPP, PPR, Brucellosis, Bovine dermatophilosis
- Vector-borne diseases
 - BT, AHS, RVF, LSD, Trypanosomoses, ECF, HW, *Theileriosis*

BACK




livestock health, management and production

Selected helminths

- Small stock:
 - Roundworms (Nematodes)
 - Flukes (Trematodes)
 - Cestodes
- Cattle:
 - Roundworms (Nematodes)
 - Flukes (Trematodes)
 - Cestodes
- Wildlife

BACK



livestock health, management and production

Animal health management

- Managing animal health
 - Background, principles, approaches
- Basic control measures & tools
 - Prevention vs control
 - Eradication programmes
 - Disease emergencies
 - Role of different tools
 - Influence on market access
 - Looking at alternative measures
- Influence of production systems on AHM
 - Challenges, approaches, strategies
- Managing animal diseases for trade
 - TADs, SPS, tools
- Producer/community-based control
 - Importance, training, PDS, support
- Managing disease at the interface
 - Disease overview and issues

BACK



Emerging and re-emerging diseases

Introduction:
Background, concepts, context

Drivers:
(e.g. climate change, wildlife reservoirs,
interface issues, environmental changes, agricultural practices,
disintegration of veterinary services)

BACK



Zoonoses

Introduction:
Background, concepts, context

Wildlife / livestock / human interaction

Socio-economic drivers

Cultural perceptions & animal
husbandry practices

Environment

Intervention tools and strategies

Integrated data collection,
management and analysis

Advocacy & policy development

BACK



Environmental health

Introduction:
Background, concepts, context

Land use
(Agricultural land, conservation,
environmentally sensitive zones)

Ecosystem health and conservation
(Habitat, threats, biodiversity, legislation)

Natural resource management
(e.g. water, soil, vegetation)

Pollution
(Industrial, commercial, rural, risks)

Climate change
(Impact and threat, management,
monitoring, TPCs)

Evaluation, monitoring and rehabilitation

BACK



Trade and marketing of animal commodities and products

Introduction:
Background, concepts, context

WTO and standard-setting bodies

Risk management: animal commodities

Challenges for developing countries

Food safety: prerequisites,
auditing and certification

Agricultural marketing

Economic principles

Consumer requirements

Livestock product supply chains
and marketing channels

Trade in livestock products

Trade in game: commodities and
products

BACK



Wildlife health, management and production

Introduction:
Background, concepts, context
(Including ecosystem health)

Conservation of biodiversity
(Transfrontier parks and
conservation areas)

Wildlife production systems
(Eco-tourism, trophy hunting,
intensive breeding, game meat)

Disease management policy:
agriculture and conservation

Disease management
(Free living, intensive systems)

Regulatory environment

Game capture and immobilisation

BACK



Arthropod vectors

Introduction:
Background, concepts, context

Ticks

Culicoides (Midges)

Mosquitoes

Tsetse / biting flies

Other flies

BACK



Health management tools

Introduction:
Background, concepts, context

Laboratory diagnostics

Surveillance

Biosecurity

Vaccination

Therapeutics

Traceability

GIS

Basic, applied & analytical
epidemiology modules

Risk analysis

Information systems:
Data collection and management

Information and communication
technologies: application

BACK



Laboratory Diagnostics

Specimen collection

Good laboratory practice

Bacteriology

Serology

Molecular biology

Parasitology

Virology

BACK