ONE HEALTH CONCEPT

the maximizing of the well-being of people

through maximising the well-being of animals
SAVC

One Health: Our Role

1. Animal Production
Reproduction herd management: Food security
Veterinary support of Land reform Programmes & Sustainable Eco-Farming
Emphasis on Efficient Production: including
• Game
• Goats
• Fish
• Pigs
Compulsory Community Veterinary Service [CCS]

2. Small Scale Farmer support
Education, Training & Information
Good Farming Practice including
• Back-yard egg production
• Small scale broilers
• Pig, Goat, Game & Ostrich owners
Primary Animal Health Care [PAHC]
• Proper use of stock remedies & animal medicines
• Compulsory Community Veterinary Service [CCS]
• Contact points

3. Disease Management
Veterinary Disease Surveillance & Cross Border Control
Role of Veterinary Public Health in Disease management
• Food safety and inspection of products originated from animals
Veterinary Prevention & Control of:
• Controlled and notifiable diseases (TB/ Brucella)
• Infectious Diseases
• Zoonoses
• Vaccination programs; Tick & Worm Control
Stakeholder network:
• Inter- and intra-professional communication: Human & Animal doctors;
• Public & private veterinary responsibility

4. Animal Research
Veterinary involvement in
• Research & Development of Stock remedies and animal medicines
• Policy Development on Generic Medicines
• Improved Animal Production: Nutrition
• Disease Control

5. Exotics including
• Bees
• Crocodiles; Inland Fish

6. Companion Animal & Working Animals’ Health
• Human-animal interaction: well-being
• Emerging Zoonoses/ unique diseases
• Rabies management
• Sterilisation campaigns

SAVC
1. Animal Production – What

- Increase productivity of national herds/flocks
  - CCS veterinarians and Animal Health Technicians [AHTs] to work as teams
  - Herd-health focus
    - Increase reproduction efficiency
    - Small scale farm schemes e.g. chickens production
    - Increase focus on game, goat, fish and pig meat production, with increased focus on leather production
    - Improved and more productive back-yard pigs systems

- New farmers and small scale farmers the focus
- Sustainable Eco-Farming
1. Animal Production – How

- CCS veterinarians trained in preventative veterinary medicine and reproduction
- Flock and Herdhealth approach pivotal
- CCS veterinarians and AHTs better equipped to handle nutritional problems

[Compulsory Continued Professional Development [CPD] Course in Animal Production, Primary Animal Health Care and Sustainable eco-farming for prospective CCS Veterinarians with a view to improve Food Security and Safety]

- Knowledge transfer
  - Education, Training and Information materials [Easy-to-use farmers guides prepared on behalf of SAVC (or other source)]
  - Support UP AfriVIP and other PAHC initiatives
  - Farm worker training
2. Small Scale Farmer Support-What

Promote-

Good Farming Practice: Increase productivity

Primary Animal Health Care [PAHC]: Knowledge transfer

Proper use of stock remedies & animal medicines: Safe food

Transitional Farming: Increase food security

through the veterinary team [CCS veterinarians and veterinary para professionals, the private sector & mentors]
2. Small-Scale Farmer Support - How

- **Primary Animal Health Care**
  - Access to stock remedies
  - Preventative Health
  - Disease recognition and control
  - Basic Treatment training
  - Education, Training
  - Resource material
  - Relationships with SAAHA/UP PAHC chair

- **Transitional Farming**
  - Education, Training and Information
  - Farm economics
  - Interlinked with Disease management
3. Disease Management - What & How

- **OIE related disease control**
  - Veterinarians, AHTs, Veterinary Technologists
  - Promote commodity based trade vs the old geographically based trade ideas
  - Disease free food production

- **Surveillance and Border Control**
  - Private, Public Partnerships [PPP]
  - Veterinarians and AHTs
  - Controlled and Notifiable Diseases
  - Infectious Diseases
  - Zoonoses

- **Veterinary Public Health**
  - All veterinarians and AHTs
  - Food Inspection
  - Meat Inspection (Game meat Scheme)

- **Vaccination programmes**
  - Veterinarians and AHTs
  - Preventable losses from diseases

- **Helminth/Tick control**
  - Improved control (private sector)

- **Stakeholder networks**
  - Improved Communication channels: Human and Animal doctors
  - Veterinary and Para Veterinary communication

Veterinary Involvement in -

- **Members of ethics committees**
  - Veterinarians, veterinary nurses, animal welfare officers, Laboratory Animal Technologists [LATs]

- **Preclinical Studies**
  - Veterinarians and LATs
  - Specialist Veterinarians (Pharmacology, Toxicology, Clinical Pathology, Pathology)

- **Food Production Studies**
  - Veterinarians, veterinary nurses, animal welfare officers, LATs
  - Vaccine production. Government institutions to focus on strategically important vaccines, e.g. Horsesickness; RVF; Blue tongue
  - Vaccine production
  - Research and Development of Stock Remedies and Animal Medicine
  - Policy Development of Generic Medicines
  - Improved Animal Production
  - Disease Control
5. Exotics – What & How

- Inland Fish
- Crocodiles
- Bees

  ◦ Improve knowledge and disseminate to all parties concerned.
  ◦ Improve utilisation of resources
  ◦ Promote sustainability and eco-farming
  ◦ Develop and improve management of Inland Fish, Crocodile, Ostrich, Game and Bee Farming

- Promote and Improve Involvement of Veterinarians and Veterinary Para-Professionals in
  - Human–animal interaction
  - Emerging Zoonoses and unique diseases
  - Rabies control
  - Sterilisation Campaigns
  - Welfare of working animals [donkeys, mules, dogs, race horses]

- Make Educational material available
- Education and Training of the public

SAVC
Way Forward – One focus area

- Describe the major obstacle to poor animal production?
  - Recognize two segments/sectors of Animal health and production, viz commercial & Small-scale subsistence, communal farming
  - Build programmes around two sectors
  - Ensure veterinary and veterinary para-professional Day-one skills meet this need
  - Create disease management guides that new veterinarians understand and can implement (PAHC)
  - Introduce a compulsory CPD course for CCS veterinary and veterinary para-professions.
  - Obtain Health and Welfare SETA funding for CPD course
  - Create a permanent SAVC Food Safety and Security secretariat and place a registered veterinarian in charge of the secretariat
    - The FSS secretariat is to source funds for the developmental aspects of the One Health Concept
    - Employ the Chair of PAHC to draft a submission for funding
    - Information [all inclusive] to be made available in concise form for veterinary professions and farmers
Way Forward

- Reasons For Inefficient Animal Production???
  - Poor understanding of diseases and stock remedies due to lack of training
  - Poor understanding of vaccines
  - Lack of access to stock remedies
  - Incorrect use of stock remedies and veterinary medicines
  - Poor understanding of nutrition
  - Poor understanding of farm economics and eco-farm management
  - Inability to transform small scale farming into large scale farming
  - Misconception on food production for self versus sale
  - Poor involvement of communities in animal health programmes
  - Poorly designed facilities
  - Lack of access to loans/grants due to business plans not being sound
  - Governments “give a fish instead of train people to catch fish”
Way Forward

**Nutritional Support**
- Better diagnostic training and disease management
- Generic management plans with nutritionists
- Facilitate comprehensive professional inputs

**Up-scaling of farming**
- Farm economic guides – World bank
- Better training in herd/flock management
- More veterinary involvement in community upliftment programmes
- Facilities to be designed and built with professional input from vets and engineers
- Communicate what is available to transfer knowledge
- Teach students effective water, food, and shelter availability for animals
- Inter-and intra-professions communication: Human and animal doctors