ONE HEALTH CONCEPT

the maximizing of the well-being of people

through maximising the well-being of animals
1. Animal Production
Reproduction herd management: Food security
Veterinary support of Land reform and Rural Development Programmes & Sustainable Eco-Farming
Emphasis on Efficient Production: including
- Game
- Goats
- Fish
- Pigs
Compulsory Community Veterinary

2. Small Scale Farmer support
Education, Training & Information
Good Farming Practice including
- Small scale broilers & egg production
- Pig, Goat, Game & Ostrich owners

Primary Animal Health Care [PAHC]
- Knowledge & access to 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 veterinary 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
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 Herd health 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 and access to stock remedies & veterinary 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, AHTs & private sector
  - 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
  • 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
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 faming
  - 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 farming 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 available knowledge and transfer knowledge
  - Teach students effective water, food, and shelter availability for animals
  - Inter-and intra-professions communication: Human and animal doctors