TOWARDS THE "ONE HEALTH" PHILOSOPHY

The story
Hippocrates:

- Born c. 460b.C. on island of Cos, Greece
- Died c. 375b.C.
- A Greek Physician who is also reckoned as the father of medicine,
- Freed medicine from superstition.

ONE HEALTH NOT AS NEW AS WE MIGHT THINK
Dr. Schwabe captured the term "One Medicine" in his book, ‘Veterinary Medicine and Human Health’.
WHAT IS ‘ONE HEALTH’?

“A collaborative effort of multiple disciplines to obtain optimal health for people, animals and the environment”.

“It is about managing problems at the interface between eco-system health, animal health and human health”

“..recognizes the essential link between human, domestic animal and wildlife health and the threat disease poses to people, their food supplies and economies”
ANIMALS, HUMANS, ENVIRONMENT

60.3% of Emerging Infectious Diseases result from Zoonoses
71.8% of Emergency Infectious Diseases have origin in Wildlife
Origins of Emerging Infectious Diseases

Socio-economic factors

Ecological factors

Environmental factors

ANIMALS, HUMANS, ENVIRONMENT
FACULTY ’S CONTRIBUTION TOWARDS “ONE HEALTH”
Multidimensional interface.
• next to conservation areas
• local inhabitants’ animals
• humans
• environment

Impact
• bi-directional movement of disease
• impact on humans
- 40 000+ Shangaan-speaking inhabitants
- Various levels of poverty
- 2 villages
- 850 households
- 1 Animal Clinic
- 5 Human Clinics
- Subsistence agriculture
- Well-structured Traditional Authority
- 1050 cattle owners
- 630 goat owners
MNISI COMMUNITY PROJECT

• Main aim is to improve the health and welfare of the people in this community
• Focused on various aspects of the human/animal(livestock/wildlife)/ecosystem interface
• Putting research into use through on-going community upliftment
• Community is informed and involved at all times
• Various stakeholders involved
HLUVUKANI ANIMAL CLINIC

- Opened in 2009
- Primary animal health care to community
- In-service training of final year veterinary students
Services to the community

- Clinical work
- Ambulatory and clinic-based
Services to the community

- Dip tanks
HLUVUKANI ANIMAL CLINIC

- Learner education
- Farmer education
HLUVUKANI ANIMAL CLINIC

Services to the community
• Research assistance
HANS HOHEISEN WILDLIFE RESEARCH STATION

- Official opening on 15th July 1983
- Opened by Hans Otto Hoheisen
- Built on land donated by him in 1980
HANS HOHEISEN WILDLIFE RESEARCH STATION
2005: A joint venture between the Peace Parks Foundation and the Limpopo Department of Economic Development, Environment and Tourism
PROVINCIAL BOUNDARIES CHANGED, WHICH MOVED THE FACILITY FROM THE LIMPOPO PROVINCE TO MPUMALANGA
22ND JUNE 2009: MOU SIGNED BY UP, PEACE PARKS FOUNDATION, AND MTPA

Mr. Charles Ndabeni  Prof Gerry Swan  Mr Werner Myburgh
CONTENTS OF HANS HOHEISEN LIBRARY

• Rather old books
• Journals – mostly unbound
• Boxes containing research reports
• Maps
CONTENTS OF HANS HOHEISEN LIBRARY

- Many files containing raw research data
- Aerial photographs
- A huge number of files with journal articles
- Various other paraphernalia
CLEARING AWAY THE LIBRARY MATERIAL FOR THE RENOVATIONS
RENOVATING THE HHWRC
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LOCATION, SHELF NUMBER AND STATUS OF EVERY ITEM

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Amelia Breytenbach
May 2010: Unpacking the stored material
READY FOR THE OFFICIAL RE-OPENING
THE OFFICIAL RE-OPENING
25 AUGUST 2010
ADDING THE YELLOW STICKERS ON THE SPINE AND THE UP STAMP
A BEAUTIFUL SUNSET AT THE HHWRC
Antoinette Lourens
Susan Marsh

7 ICAHIS
3-8 May 2013
Boston, MA

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Evans, B. 2012. One Health: It’s What We are Called to Do
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Centers for Disease Control and Prevention, n.d.