

Mnisi Community Programme (MCP)

An integrated interface programme

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AHEAD Meeting
Namaacha



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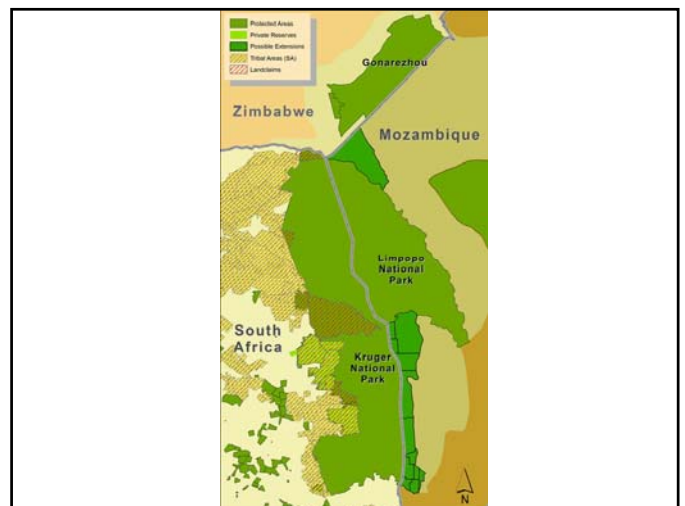
Pursuing arrogant simplicities

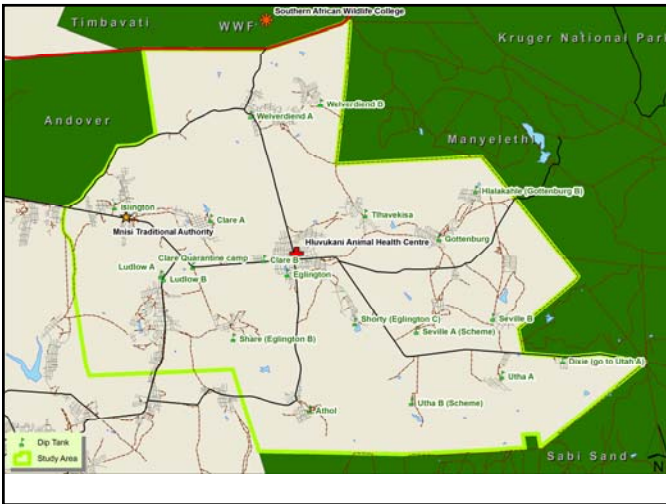
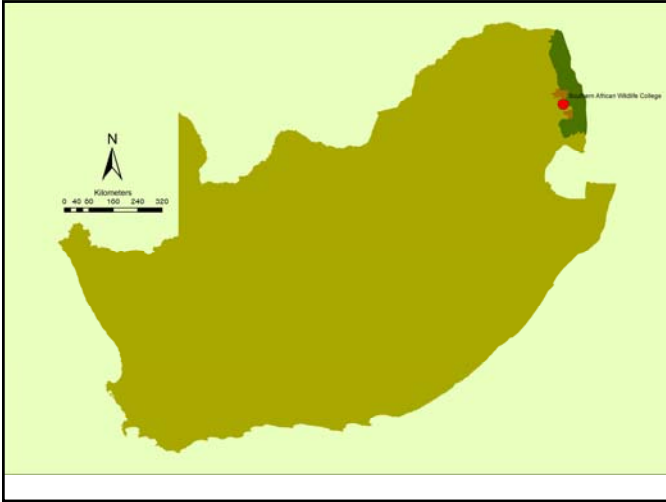
Multidisciplinary research in biology requires the patience to distinguish untutored crassness from deceptively simple insights, and awareness from all participants of just how complex is even the simplest life-form.



TFPs and TFCAs

- Peace Parks
 - Biodiversity conservation and rural development
 - Protected areas
 - Alleviation of rural poverty
 - CBNRM
 - TFCAs



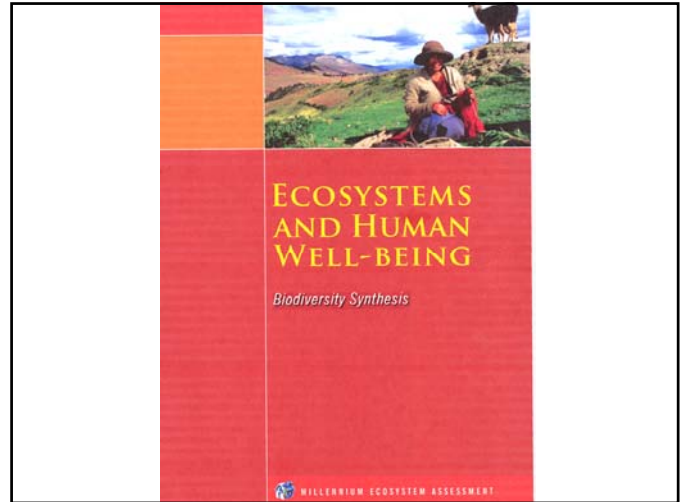


Interface

- Wildlife/Livestock/Human
- Environment
- Impact
 - Bi-directional movement of disease
 - Wildlife-domesticated animals
 - Impact on humans
 - Disease (zoonoses)
 - Socio-economic

MCP: Broad objective

From an
integrated veterinary (health)
perspective
to improve
the health and welfare
of the community



MCP: Guiding principles (1)

- Biodiversity
- Sustainable environment
- Climate change
- Interface: wildlife/livestock/human
- Emerging and re-emerging diseases
- Zoonoses

MCP: Guiding principles (2)

- Ecosystem services
- Rural agriculture
- Land-use options
- Food safety and security
- Poverty relief

? Objectives of TFCAs



- Ecotourism
 - Poverty reduction
 - Job creation
- Conservation
- Sustainable sources of safe food
- Improved health and welfare of humans

MCP

Guiding principles: focussed

- Veterinary services
- Food safety and security
- Livelihoods
- Land-use
- Conservation
 - Trans-boundary conservation areas
- Disease dynamics
 - Livestock/wildlife/human
- Socio-economics

Programme focus

- Baseline and continuous data collection
 - Animal health
 - Public health
 - Interface dynamics
 - Wildlife/livestock/crops: land-use options
 - Socio-economics
 - Communication and extension activities

Research focus

- Socio-economics
- Agricultural production systems
- Animal health (livestock and wildlife)
- Human health including food safety
- Environmental health and sustainability
- Communication
- Indigenous knowledge

Time-frame

- Fifteen year duration (at least)
- Advanced planning and implementation
- Clinical activities
 - Commenced beginning of October 2008
- Research
 - Questionnaire for base-line data
 - MSc and PhD students
 - Data collection commences early 2009

Study area

- Rural area
- Small-scale subsistence agriculture
- At interface
- Various levels of poverty
- Well-structured Traditional Authority



Study Area

- Physical
 - Perimeter - 85.5km (of which 69km borders conservation areas)
 - Area - 29 500ha (21 700ha Mniisi TA & 7 800ha Amashangana TA)
- Population
 - 40,061
 - Total no. of households (HH) - 8,555
- Livestock (rounded for end-2007)

■ Cattle	14 398	(1311 owners)
■ Goats	6186	(917 owners)
■ Sheep	2	(1 owner)
■ Pigs	327	(36 owners)
■ Chickens		Unknown
■ Donkeys		Unknown

Households

Households	%	Without	With
% without electricity	56	4,791	3,764
% without piped water	13	1,112	7,443
% without hygienic toilets	80	6,844	1,711
% without rubbish removals	100	8,555	0
% without telephones	99	8,469	86
% without cell phones	80	6,844	1,711



The clinic at Hluvukani

- Animal Health Centre - MVS
- Formal undergraduate experiential training
- Postgraduate research projects
- A physical presence - commitment
- Permanency
- Identity
- Long-term involvement

MCP: Partners and collaborators

- Mntsi Traditional Authority
- University of Pretoria
 - Faculty of Veterinary Science
 - Faculty of Natural and Agricultural Sciences
 - Agricultural Economics
 - Postgraduate School of Agriculture and Rural Development
 - Livestock and Wildlife
 - Centre for Wildlife Management
 - Faculty of Health Sciences
 - School of Health Systems and Public Health

Partners and collaborators

- Mpumalanga Provincial Government
 - Department of Agriculture
 - Directorate of Veterinary Services
- Institute for Tropical Medicine (ITM), Antwerp, Belgium
- National Emerging Red meat Producers Organisation (NERPO)
- SA Defence Force (Medical and Veterinary Division)

Partners and collaborators

- SACIDS (Southern African Centre for Infectious Disease Surveillance)
- PPF – Hans Hoheisen Wildlife Research Station and GIS

Human resources

- Academics, researchers and officials
- Full-time veterinarian at Hluvukani
- 2 PhD students
- 2 MSc students
- 4 Honours students
- Ongoing rotations of undergraduate students
- Routine activities of Mpumalanga Veterinary Services

If you don't go after what you want,
You'll never have it.

If you don't ask,
The answer is always no.

If you don't step forward,
You're always in the same place.

If you don't have a dream,
You'll never succeed.

If you don't stretch,
You'll never have it.

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