



'Reflections of Partnerships from 2 Darwin Projects'

**Tanzania Carnivore Project
2002-2005**

**Tanzania Mammal Atlas Project
2005-2008**



Presentation Outline



1. Overview of TAWRI
2. Tanzania Carnivore Project (TCP) 2002-2005
 - Background
 - Objectives
 - Achievements
3. Tanzania Mammal Atlas Project (TMAP) 2005-2008
 - Background
 - Objectives
 - Achievements
 - Ongoing plans
 - Summary of Achievements



TAWIRI



- The Tanzania Wildlife Research Institute (TAWIRI) was established by the Act of Parliament No. 4 of 1980 under the name: Serengeti Wildlife Research Institute (SWRI)
- The overall responsibility of the Institute is to carry out, coordinate and supervise wildlife research throughout the United Republic of Tanzania



TAWIRI's Vision and Mission statements



- **Our vision** is to attain high level of excellence in advising and providing timely and quality scientific information towards sustainable conservation and management of wildlife.
- **Our Mission** is to conduct and oversee wildlife research in the country, provide quality data and information that will enable the management authorities and the Government to better manage and conserve wildlife, and to raise public awareness of the same.



Tanzania Carnivore Project

Collaborative Partners



Background TCP



- Collaborative project between TAWRI and ZSL
- It was a three years DI funded project and started officially in November Sept 2002
- Supervised by Dr. Sarah Durant (ZSL, WCS) and managed by Maurus Msuha (TAWIRI)



Background TCP cont.



- At least 35 species of carnivores (2/3) of species found in Africa are found in Tanzania
- The list includes five globally threatened carnivores (cheetah, Wild dog, lion, Spotted & Striped hyaenas).



Background TCP contd..



- However, despite this importance the capacity to monitor and conserve carnivores in Tanzania was limited
- This project was intended address these challenges through addressing the following objectives;



TCP objectives



- Establish a permanent structure within TAWRI to help the project achieve its ultimate objective
- Collect information on carnivores across Tanzania using network of data contributors
- Train Tanzanian wildlife professionals in carnivore monitoring and identification techniques



TCP Objectives cont...



- Assist TAWRI fulfil it's mandate to build capacity for wildlife research
- Ultimate objective was to develop a **National Conservation Action Plan for Carnivore in Tanzania**



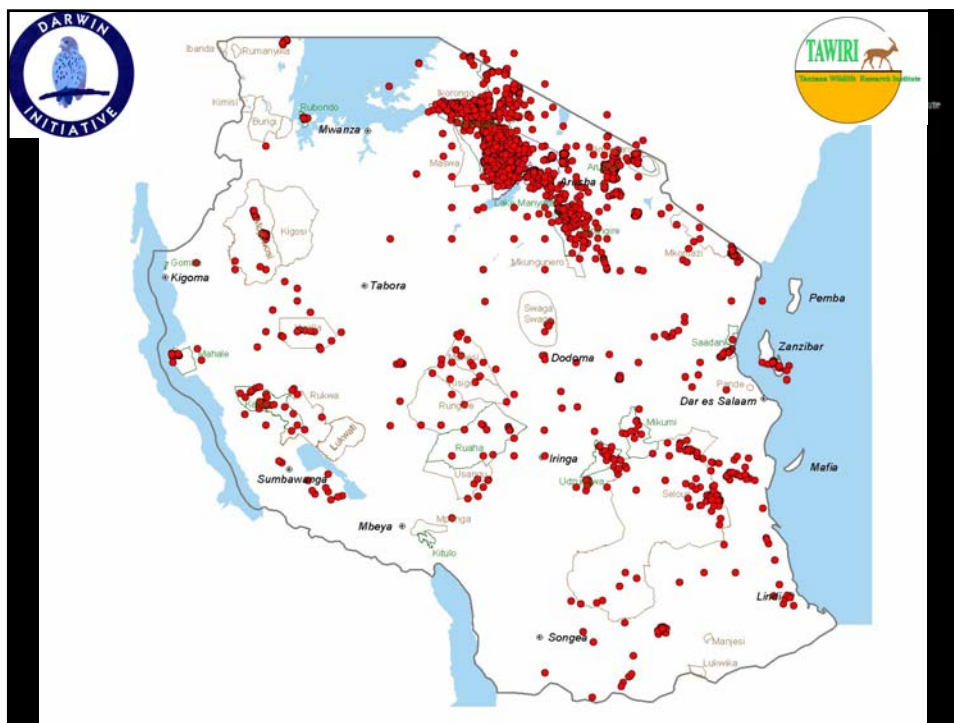


TCP achievements contd.



TCP Database

- Over 7,000 carnivore sightings have been received and entered by end of 2005
- The Database contains 34 out of 35 identified carnivore species
- New distribution maps for 34 species countrywide is found on the project website (www.tanzaniacarnivores.org)





TCP achievements cont.



Training Wildlife professionals

- ❖ Training of trainers in carnivore surveys & monitoring techniques
 - Camera trap survey techniques (centre staff, park ecologists & rangers)
 - Otter survey techniques (staff, park ecologists and rangers)



TCP achievements cont.



❖ Other training

- Exchange program (ZSL/TAWIRI)
- Provision of internship at the centre for university students

STAFF ATTENDED SEVERAL TRAINING COURSES INCLUDING:

- Proposal development course (TAWIRI, SUA and TBA)
- Advanced GIS course at Bronx Zoo, WCS Living Landscape Program in NY (Oct. 05)
- Website design and management course (University of Dar es Salaam)



TCP achievements cont



❖ Assist TAWRI to build its capacity for wildlife research in Tanzania

- Office building and facilities e.g. vehicle, computers, etc.
- Hired five new TAWRI staff



TCP achievements cont



❖ Outreach program

The following have been produced;

- Seven issues of Carnivore NewsBites
- A total of 500 posters to promote cheetah and wild dog watch campaigns and carnivore atlas
- A total of 64,000 Cheetah and wild dog watch campaigns leaflets printed and 48,000 distributed
- 5000 Carnivore Atlas check sheets printed



TCP achievements cont.



❖ Outreach program

- 480 Network of contributors established
- Project website establishment
www.tanzaniacarnivores.org
- Conducting seminars with main stakeholders e.g. the project initial workshop, tour guides and drivers
- A mini library established with over 1100 scientific papers on carnivores from a wide range of conservation journals



TCP achievements cont.



Carnivore Conservation Action Plan for Tanzania Outline of Conservation Action Plan

- An introduction
- Behavioral ecology and conservation
- Distribution and Abundance: Summary of Current knowledge
- How to get information on status: Available methods
- Conservation Threats
- Conservation and Research Priorities
- The Way forward



TCP achievements cont



Draft action plans

- Wild dog action plan February 2005
- Cheetah action plan September 2005
- Lion and Leopard in February 2006
- Hyaena in February 2006
- Small to Medium carnivores in April 2006



Continuation of TCP since 2005



The success of the TCP used to leverage funds for the following new activities;

- Full time staff employed as TCP management plan implementer
- Plans in final stages of endorsement by the Government
- Over 4000 sightings added to the TCP database from 2005 to date
- Former TCP project manager doing PhD at UCL 2005 to present
- New TCP field vehicle purchased
- Interactive TCP website recently updated



TMAP Background

- Supervised by Dr. Sarah Durant (ZSL, WCS) and Dr. Charles Foley (WCS) and managed by Alex Lobora (TAWRI)
- Started officially in November 2005
- It is a three years project with main funding from DI
- Built heavily on experience from TCP

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TMAP Objectives



- a) develop capacity to monitor mammal distribution and status in areas where little information is available
- b) establish protocols to monitor small and cryptic species
- c) develop a centralised database of distribution, status and, where possible, abundance, for all mammals

The list excludes rodents, bats, insectivores, and marine mammals



TMAP Objectives Cont..



- d) The ultimate objective is to develop **A Conservation Action Plan for Mammals in Tanzania by 2008**



TMAP Achievements



Personnel and Infrastructure

- Recruitment 11 Project staff (administrative staff and two survey teams)
- Procured project equipment (Project vehicle, Field equipment, Camera traps, Generator, etc)
- Establishment of a Mammal Atlas Database
- Staff training on camera trapping tech.
- Three project newsletters produced
- Mammal identification guide booklet produced
- Project website established



TMAP Achievements cont..



Data collection surveys

- camera trapping surveys and questionnaire surveys completed at 18 sites and 2 ongoing
 - Mahale National park (Oct-Dec 2005)
 - Arusha National Park (March-May 2006)
 - Serengeti National Park (May-July 2006)
 - Minziro lowland forest (Aug-Oct 2006)
 - Coastal Tanga Forests (Nov-Dec 2006)
 - Burigi/Bhiharamulo Game reserve (July 2007)



TMAP Achievements



- Zoranginge/Saadani National Park (March-April 2007)
- Ukaguru Mountains -Mamiwa catchment forests (August 2007)
- Muhuwesi Forest reserve(October,2007)
- Moyowosi Game reserve(November,2007)
- Gelai



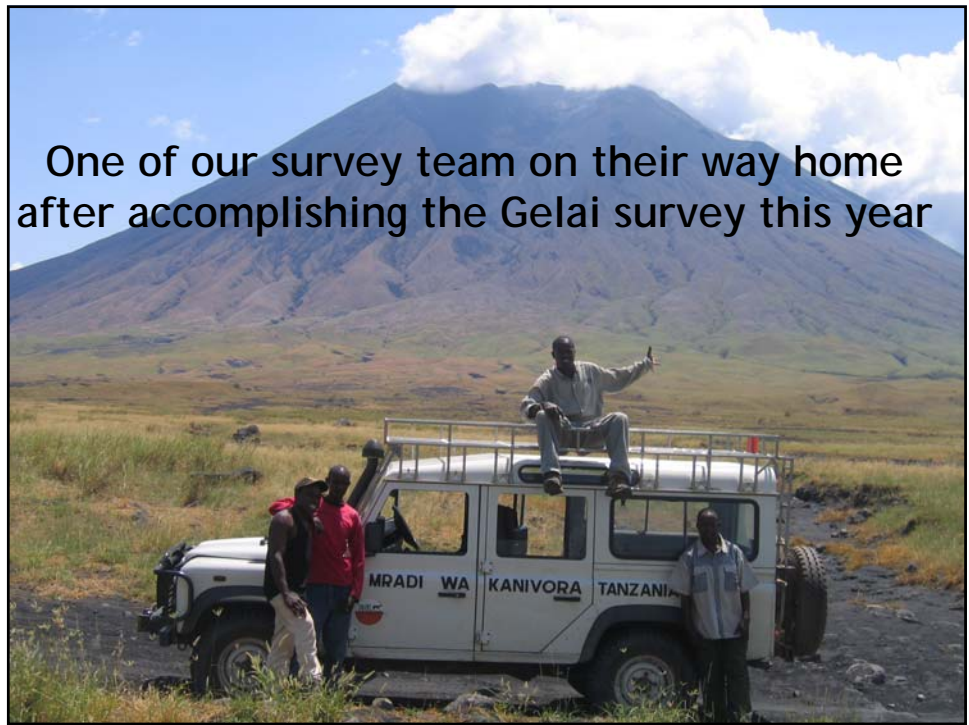
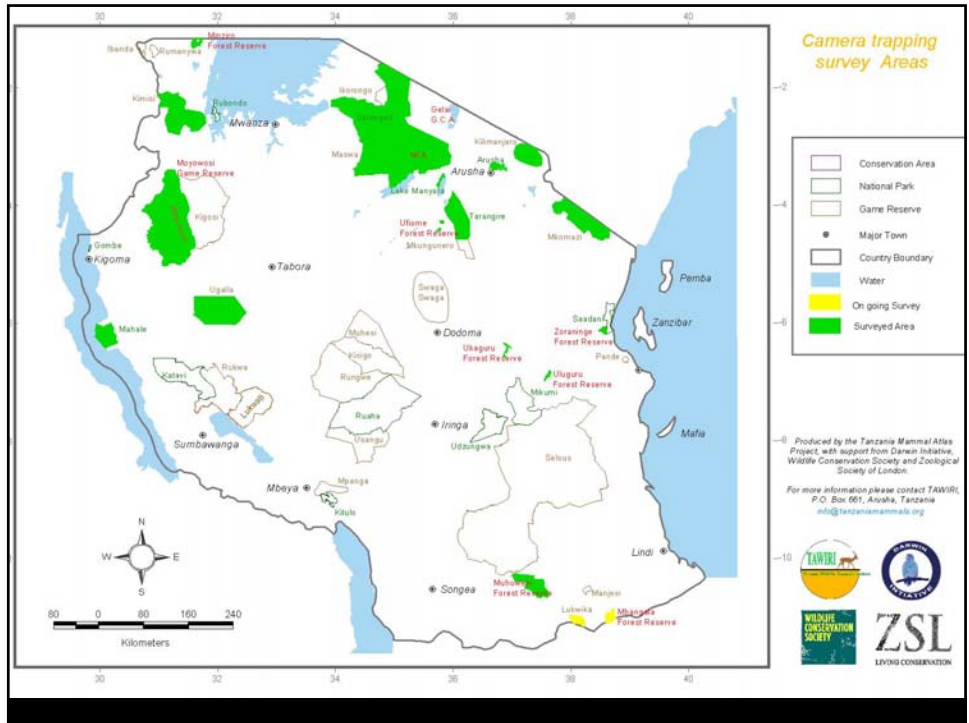
TMAP Achievements cont



- Maswa Game Reserve
- Ugalla Game Reserve
- Ufiome
- Uluguru
- Ngorongoro Conservation Area
- West Kilimanjaro
- Manyara National Park

On going surveys

- Lukwika Lumesule Game Reserve
- Mbangala Forest Reserve

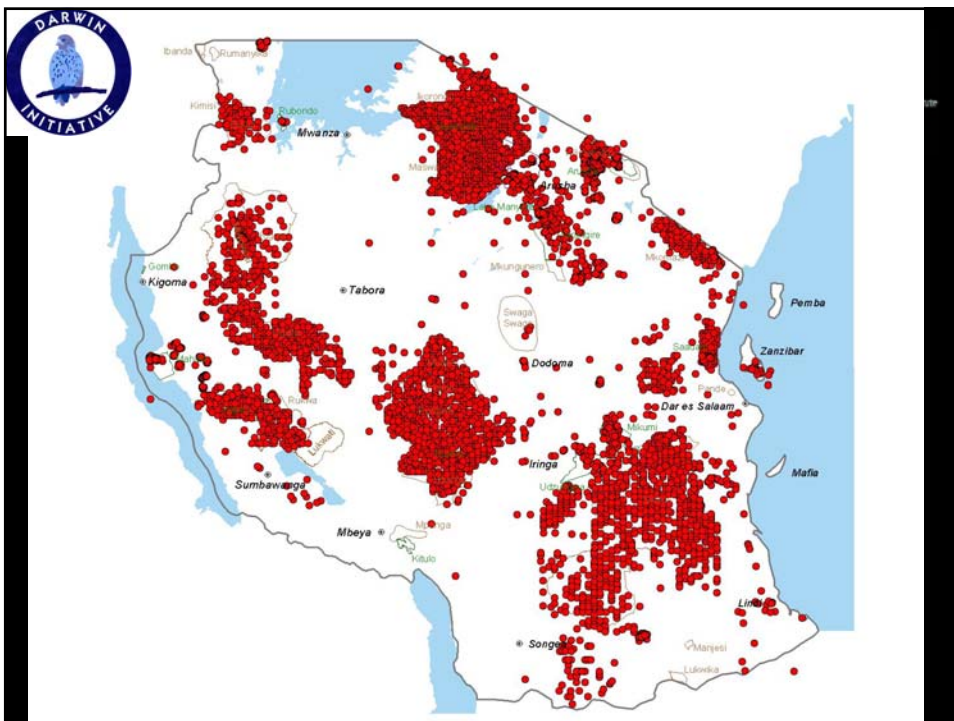




TMAP achievements cont.



- New Database Developed (for non Carnivore Species) with 27,100 sightings of 96 mammal species
- Data gathered using a combination of the following methods
 - »Aerial census data from CIMU
 - »Camera trapping surveys
 - »Network of contributors (including tour operators, wildlife scientists, etc)

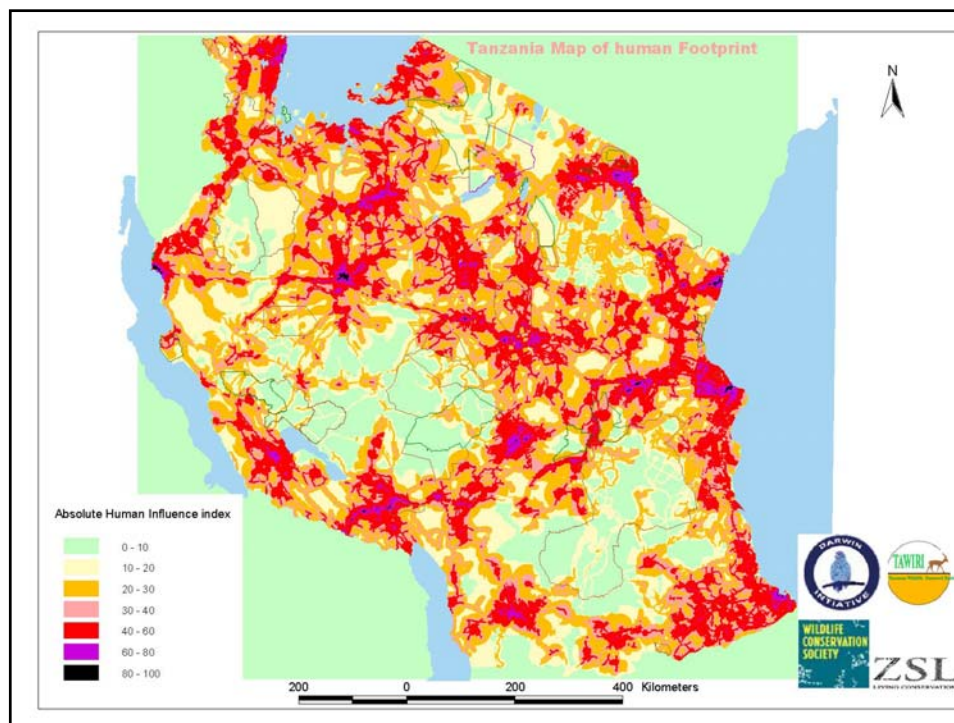




TMAP achievements cont..



- Historical database (Pre-1980) established with 10,500 sightings for 70 species
- Distribution maps for both current and historical species developed and updated quarterly on the project website
- Map of human footprint for Tanzania developed





TMAP achievements cont.



- Interactive project website developed and can be viewed at www.tanzaniamammals.org
- Mini library with over 1300 published journals and books
- Three project newsletters printed (1000 copies each) and distributed
- Large mammals ID manual developed



TMAP achievements cont.



Training

- Two weeks training program on latest camera trapping techniques
- Two weeks GIS and Remote sensing course
- Training in website design and management
- **Nathalie training/exchange program ZSL**
- Accounting course
- 8 local volunteers trained in camera trapping techniques



Ongoing Plans



- Conduct workshops to develop a draft Conservation Action Plan for Mammals by mid 2009
- Completed workshops
 - Large ungulates
 - Small ungulates
- Planned workshops
 - Primates
 - Elephants
 - Rhinos



SUMMARY OF ACHIEVEMENTS



- TAWRI now has a well trained, motivated and fully established camera trap survey arm
- TAWRI now has one of largest camera trap databases in the world
- Tanzania is now the second country in the African Continent with Carnivore Conservation Action Plan
- The surveys have added two new species to the Tanzania mammal list and extended the known range of at least two others
- The results of TMAP finding have been mentioned in the Tanzania parliament
- Team is well known and respected by other wildlife bodies in Tanzania



**Lets work together to help support
Mammal
conservation in Tanzania**

Thank you!



Working together to help support Mammal conservation in Tanzania

