

Veterinary Information Management System

Peace Parks Foundation - TFCA Veterinary Programme

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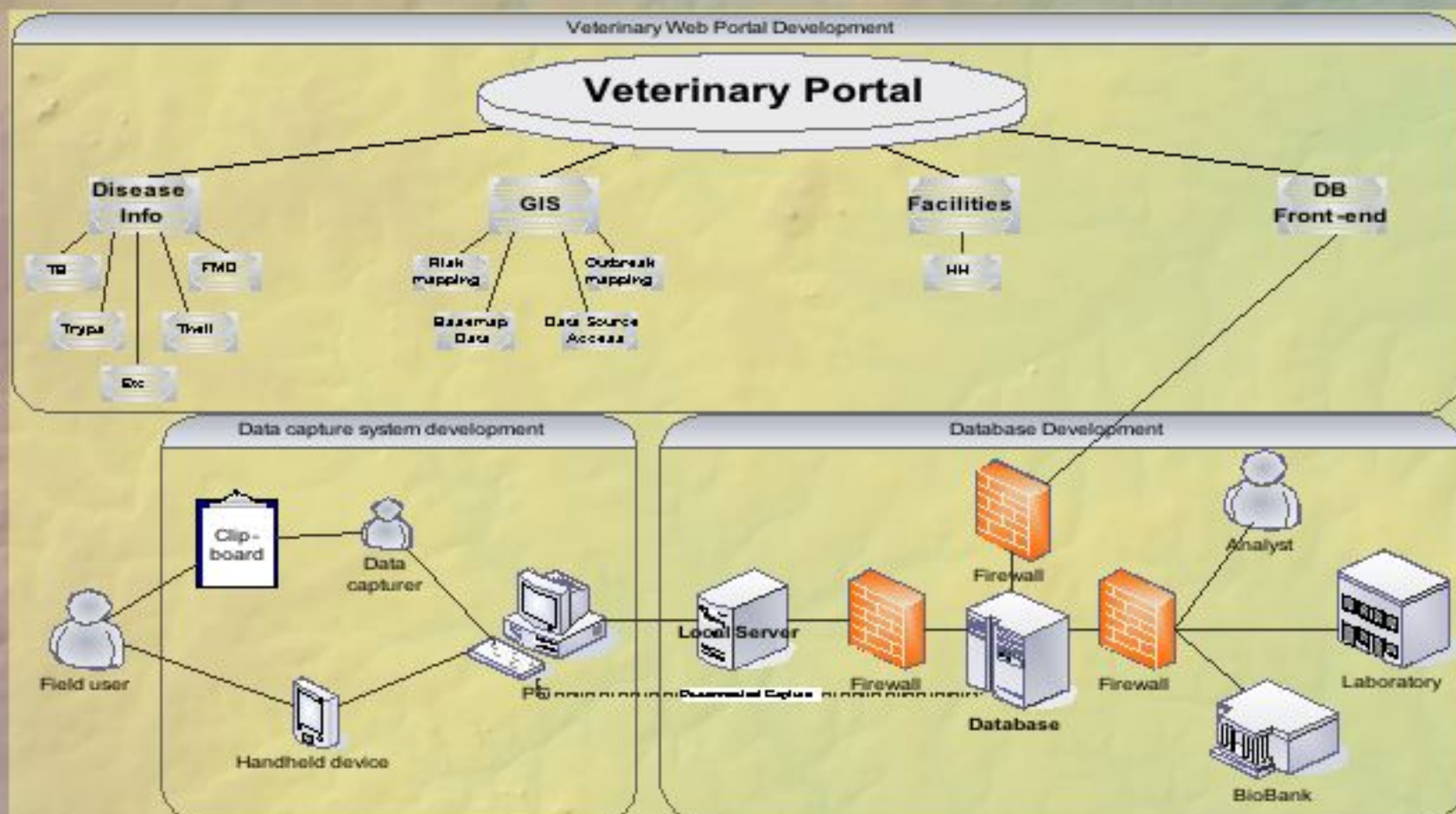


Background

- Project started in 2004
- Investigation of wildlife / rural livestock role players' information management (IM) capacity
- Found severe lack of IM capacity & information sharing
- Workshops to determine needs
 - Software (incl functionality) / hardware
- Investigated available veterinary IM Systems
 - TADInfo, ZIMS, etc
- Conceptual version of data capture system designed
- Expanded in 2005 to include Veterinary Portal and Veterinary GIS capacity



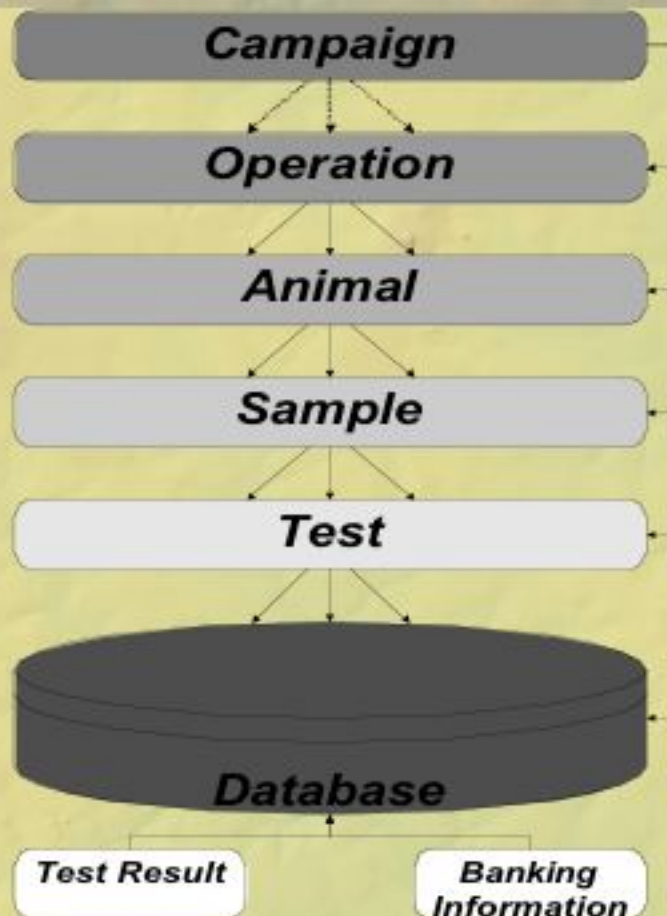
Structure



Data Capture

- *Electronic field capture system*
 - *Custom software development (OpenSource)*
 - *Via handheld electronic devices (ideally)*
 - *Hard copy capture still possible*
 - *High level of functionality to decrease data capture time*
 - *Hierarchical structure to reduce data input duplication*
 - *Single click entries to reduce input errors*
 - *Customizable*
- *Synchronization capability (up- and downward)*

Data Capture System - Structure



Central Database

- **Central data repository for data capture system**
- **Access control for protection of IP and sensitive data**
- **Direct linkage to sample bank to enable sample tracking and inventory**
- **Possible direct linkage (or through web) to laboratories and/or lab equipment**



Challenges

- *Various role players in different countries*
- *Non-standard methodologies*
- *Remote & harsh data collection environments*
- *Time constraints in field with immobilized animals*
- *Unreliable connectivity*
- *Lab personnel used for data capture – decreased productivity*
- *Currently: Limited information generated from data due to cumbersome and/or inadequate data management*



Web Portal

- **Web access to database**
 - Access controlled
- **Independent websites for disease information**
 - Content managed by disease expert groups
 - Capable of handling discussion forums
- **GIS enabled web interface**
 - Risk and/or outbreak mapping (live modeling of database data in conjunction with other GIS data sources)
 - Linkages to other veterinary and related data resources
- **Management & booking of research facilities**
 - eg Hans Hoheisen Research Station
- **Access to banked sample information**
- **Linkages to other important & relevant veterinary resources**



Status

- **Funding**
 - Secured by Peace Parks Foundation
 - Project of TFCA Veterinary Programme
- **Data capture system & Database**
 - Software developing company contracted to develop data capture system & central database
- **Web Portal**
 - Web development company contracted to develop veterinary portal



Time frame

- **Data capture system & Database**
 - First version (post-testing)
 - 2007/2008
- **Web Portal**
 - First phase – info sites & infrastructure
 - 2006
 - Second phase – GIS & database web interface
 - 2006/2007

Management

- **Establishment & initial management of database**
 - PPF
- **Database Administrator**
 - To be appointed as soon as database implemented
- **Hardware**
 - Initial setup by PPF
- **Future management**
 - National/International scientific organization



Thank you! Questions?

