

Knowledge Exchange: Human-wildlife conflict databases

Wednesday, July 31, 2024





























Objectives

- to **share successful examples** from countries that have created a state or national level database.
- to discuss challenges across GWP countries around setting up a database and what the GWP can do to support.





UGANDA HWC DATABASE

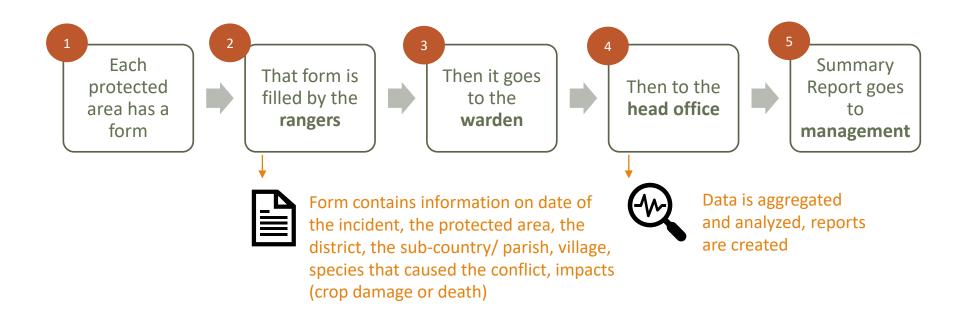
Presented by Sharon Kamuganga Kagwisa, *Ag. Manager Human-Wildlife Conflict, Uganda Wildlife Authority*

Why does Uganda have a national level HWC database?

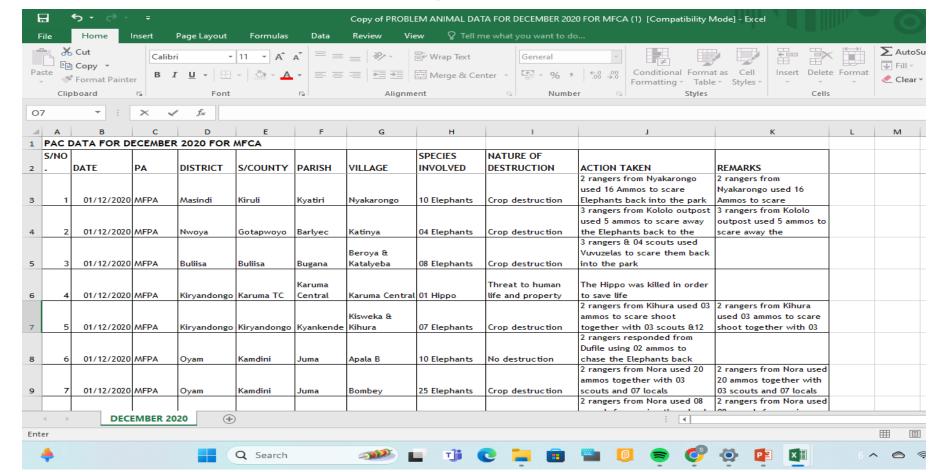
A database allows for systematic collection and organization of data related to incidents of human-wildlife conflict. This can include information on the types of conflicts, locations, species involved, and frequency of incidents.

- 1. Analysis and Trends: A database enables analysis of patterns and trends over time. By identifying hotspots and trends, authorities can implement targeted and effective mitigation strategies.
- 2. **Resource Allocation**: With detailed data, resources can be allocated more efficiently. For example, if a certain area is identified as a conflict hotspot, more resources can be directed to that area for prevention and mitigation. Authorities can have a basis for requesting for funding if they have proper data showing the extent of the problem.
- 3. Monitoring and Evaluation: A database helps in monitoring the effectiveness of implemented strategies and policies over time. It provides a basis for evaluating the success of different approaches and making necessary adjustments.

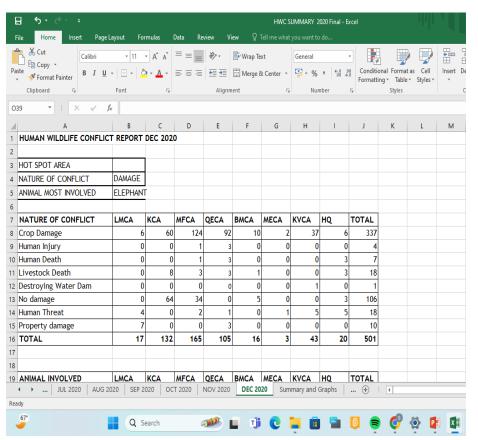
How does the database work?

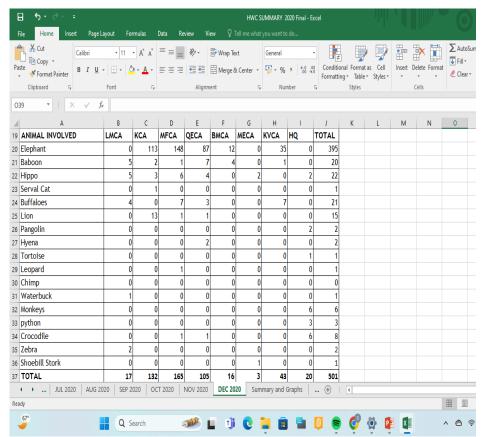


HWC Database – Input in Excel

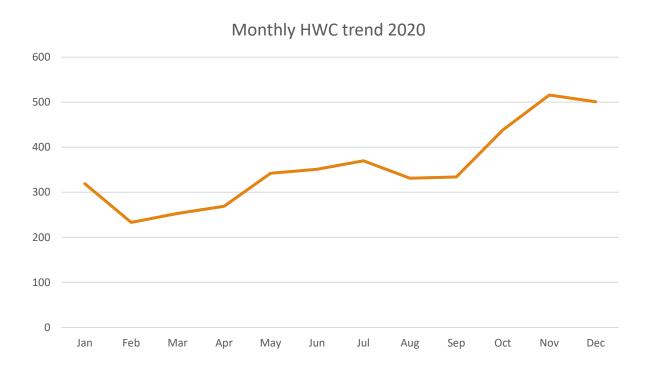


HWC Database – Outputs





HWC Database - Outputs



Recommendations

When setting up a database for managing human-wildlife conflict (HWC), there are several important considerations to take into account:

- 1) **Establish a clear HWC Policy or strategy:** A formal policy or strategy is crucial as it provides the legal and institutional framework for data collection and management. This ensures that relevant stakeholders are mandated to collect and share data. Example: Uganda's HWC strategy mandates that wardens collect specific data, ensuring consistent data flow into the database.
- 2) **Standardize Data Collection Methods:** Ensure that data collection methods are standardized across regions and stakeholders. This allows for consistent, comparable data.
- 3) **Use Technology for Data Collection:** Leverage modern technology such as mobile apps and GPS for real-time data collection and geotagging of incidents.
- 4) **Training and Capacity Building:** Train field staff and stakeholders on data collection and database management to ensure accurate and efficient data entry.



Questions?











NAMIBIA HWC DATABASE Richard Fryer,

Ministry of Environment, Forestry and Tourism Control Warden – Human Wildlife Conflict and Conservation Hunting, Namibia

Innocent Haingura

Senior Technical Advisor – Community Conservation Governance and Livelihood Diversification, GIZ, Namibia







DWNP CBNRM Digital Monitoring System

Richard FRYER
MEFT – WSS (HWC & WILDLIFE UTILISATION)
&

Innocent HAINGURA
GIZ – CCIU Project

Overview



- Reporting
 - Data visualisation / BI
 - Self-service analytics
 - Extensive data connectors

Automated sync

© KoBotoolbox

- Data capturing Forms
 - Online & Offline
 - Mobile application
 - Automate file upload with meta data to Mayan
 - Visualise data with maps & reports
 - Review and validate data in real time
 - Export as XLS, CSV, KML, ZIP or GeoJSON

Automated file Syc /Upload





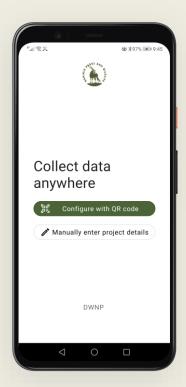
- Electronic Document Management System
 - Workflows
 - Coded tags
 - Collaboration
 - Checki-in / Out
 - Batch Upload
 - Automated Meta Data Extraction
 - Automated duplicate scanning
 - Advanced access control system

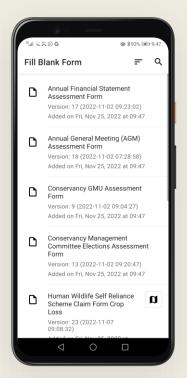


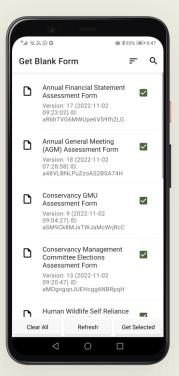
Data Collection: Web Application

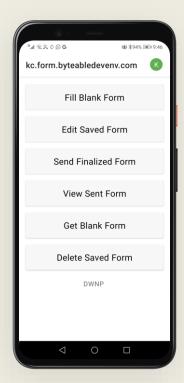
MENU ADMIN	DWNP ONLINE
DATA CAPTURING FORMS	
EDMS DATA MANAGEMENT	Annual Financial Statement Assessment Form
REPORTING & VISUALISATIONS	Annual General Meeting (AGM) Assessment Form
CONSERVANCIES AGM CALENDAR	Conservancy Human Wildlife Conflict (HWC) Register
USER MANUALS	Conservancy GMU Assessment Form
	Conservancy Management Committee Elections Assessment
	Income & Benefit Distribution Assessment Form

Data Collection: Mobile Application



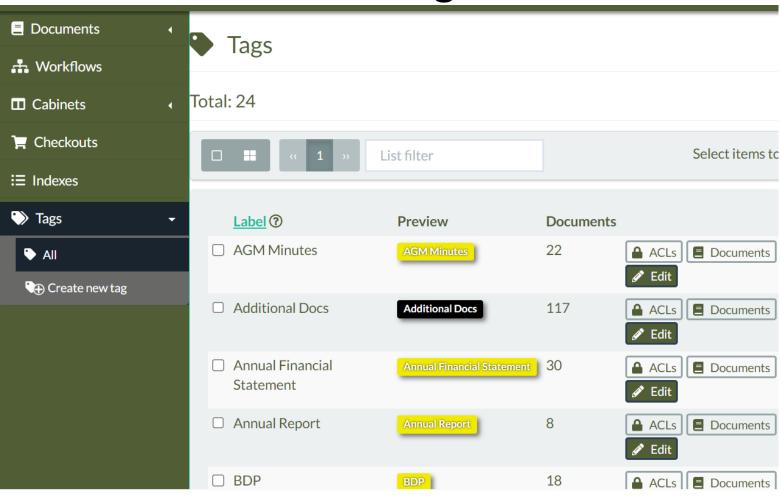








EDMS Document Management

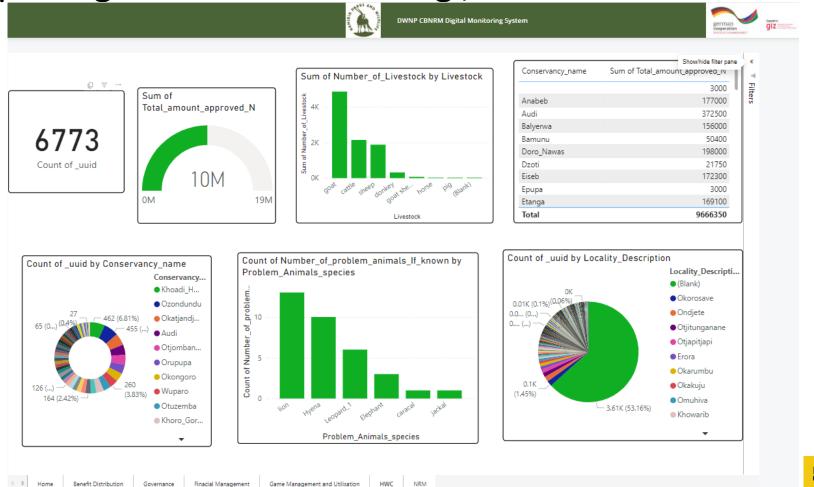






Reporting and Visualisation

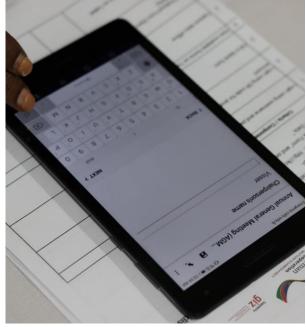
Reporting and Visualisation: E.g., HWC inside conservancies













Training Workshops in regions

System Deployment steps



System hosting at OPM – dual server (can host up to 6 applications), SSL & Power BI licenses (renewable) procured



Admin training for MEFT – HQ



Training of regional staff in regions not visit yet



System launch

Exploring partial integration with other relevant tools / applications

Thank you!

Website: https://www.worldbank.org/en/programs/global-wildlife-program.

Email gwp-info@worldbank.org

