



SMART Basic User Training Workshop

19 – 23 February 2018

College of African Wildlife Management, Mweka

Announcement

Background

The [SMART Partnership](#) is supporting the implementation of the SMART approach to protected area conservation, protection, and management. A suite of technical training tools has been developed and is utilized during trainings to help ensure successful achievement of technical and adaptive management expertise in the implementation of SMART that can be applied at site, national, and regional scales. All training courses also utilize these SMART-certified training materials to ensure that a high standard is maintained.

Training workshop

The College of African Wildlife Management, Mweka will host a SMART basic user training workshop at Mweka. The workshop is made possible due to support from United for Wildlife (UfW) Foundation and the Wildlife Conservation Society (WCS).

The objectives of the project are:

- Boost capacity of CAWM students and faculty, and government, non-governmental agencies and community organizations in East Africa to implement a SMART- based adaptive management approach to the operation, monitoring, and evaluation of protected areas
- Leverage SMART as a global platform to provide standardized measures of threat levels and enforcement efforts at priority wildlife sites across East Africa

Participants

Appropriate staff to receive this training would be individuals who are based at conservation sites and are involved in the entry of field patrol data onto computer, analysis & interpretation, management and/or administration of patrol data, or people in national offices who have direct responsibility for managing data coming from conservation sites. These individuals would hold positions such as:

- site-based data entry staff
- senior rangers who work with patrol data
- patrol supervisors
- park managers
- nationally-based enforcement data managers

Participants will need a minimum of basic English language skills, and computer literacy (able to operate a laptop or PC, and be familiar with Windows or Mac OSX operating systems). Ideally, participants would be capable of training other staff at your sites or departments.

Training objectives

- Understand the use of LEM as a tool to support conservation area protection activities.
- Be familiar with the SMART software and basic functions for creating a conservation area database, defining patrol mandates and other metadata, entry of patrol data, conduct basic analysis, reporting, and patrol planning.
- Be capable of training government and conservation NGO staff in use of the SMART software and approach at the field sites.

Content summary

1. Review LEM; what is it and how can it support protected area management?
2. Review of patrol data collection methodology and structure of the SMART database, and creation and management of base maps.
3. How to enter patrol data collected with GPS and forms into SMART, and how to download data collected using SMART phones and tablets into SMART.
4. How to create queries to get results, and how to use the reporting functions.
5. Managing the SMART database (backups, exports, adding in employees).
6. How to manage and archive files on the computer.

Prerequisites for training participants:

1. Good reading and listening English skills (training will be presented in English language)
2. Direct responsibility for training staff, previous training experience with protected area managements staff an advantage
3. Basic computer skills and familiarity with Windows or Mac OSX operating systems
4. Familiarity with law enforcement monitoring data an advantage

Proposed schedule¹

Day 1:	
09:00-09:30	Registration, welcome remarks, introductions and training outline
09:30-10:00	Presentation: Introduction to the Spatial Monitoring and Reporting Tool (SMART) for patrol data management
10:00-11:00	Interactive discussion: Overview of Law Enforcement Monitoring, What data to collect? Why? What is the benefit of having geo-referenced data? Importance of data management, Data quality, Information needs for the implementing agency Why SMART? Reasons for choosing SMART over other LEM monitoring tools
11:00-11:30	Break
11:30- 12:00	Introduction of training manual and format for the training Installation of the SMART software + Overview of SMART software
12:00-13:30	Lunch
13:30-15:00	Setting up the SMART database Data models – proposed generalized SMART data model for East Africa
15:00-15:30	Break
15:30-16:30	Defining parameters for the conservation area Patrol characteristics Creating maps of the conservation area
Day 2:	
09:00-10:30	Introduction and demonstration of SMART-Cybertracker mobile data gathering plug-in and configurable model
10:30-11:00	Break
11:00- 12:00	Data collection field exercise using GPS + patrol forms, and Cybertracker
12:00-13:30	Lunch
13:30-15:00	Data collection field exercise using GPS + patrol forms, and Cybertracker
15:00-15:30	Break
15:30-16:30	Demonstration of entering data into SMART.
Day 3:	

¹ Unless otherwise indicated, all sessions will be instructed/ facilitated by Antony Lynam and assisted by trainers from WCS Tanzania.

09:00-10:30	Managing patrol data: Entering data from patrol forms, importing SMART-CT data
10:30-11:00	Break
11:00- 12:00	Basic data analysis – queries and summaries
12:00-13:30	Lunch
13:30-15:00	Basic data analysis – queries and summaries (continued)
15:00-15:30	Break
15:30-16:30	Overview of reports
Day 4:	
09:00-10:00	Lessons learned from implementing SMART at sites in Tanzania – reports from practitioners
10:00-10:30	Break
10:30- 12:00	Overview of other SMART applications (Planning, Intelligence, Entity Tracker, Independent Observations and Ecological Records)
12:00-13:30	Lunch
13:30-15:00	Administrative tasks for the data manager Data base management (setting up, backing up the database, backing up patrols, plans, intelligence) Data management – GPS raw data, photos.
15:00-15:30	Break
15:30-16:30	Preparing to set up your own SMART database using shapefiles, staff lists, patrol mandates, types and teams from your conservation area.
Day 5:	
09:00-10:30	Setting up your own SMART database
10:30-11:00	Break
11:00- 12:00	Setting up your own SMART database (continued)
12:00-13:30	Lunch
13:30-15:00	Setting up your own SMART database (continued)
15:00-15:30	Break
15:30-16:30	Adaptive patrol management – making the manager aware of SMART, roles and responsibilities of protected area staff in making SMART work as a

	<p>management tool.</p> <p>SMART forum – how to ask questions about SMART and get answers from experts and practitioners</p>
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Participant equipment and material requirements

Each participant must have access to the following class resources:

1. Desktop computer or laptop with original Windows or Mac OS software
2. GPS with batteries and data cables, if possible
3. Tablets/PDAs or rugged smartphone
4. Shape files (ArcGIS format) and staff lists of your conservation area.

Training Costs

There will be no training fee charged to selected candidates. The project will provide a training allowance to each candidate for eight (8) training days which may serve as a subsistence allowance. However, the selected candidates will be required to cater for their travel expenses.

Registration for the Course

To register your interest in attending this course please submit your CV (max. 2 pages) and a motivational letter which include details of how you think attendance to this course will support your work and career development. Please email your application in Microsoft Word or PDF format at antipoaching_p@mwekawildlife.ac.tz OR mweka@mwekawildlife.ac.tz

Application deadline

Applications should reach us not later than 10th February, 2018.