The best solution for capturing data and monitoring conservation activities in protected areas

MOBILE DATA COLLECTION WITH CYBERTRACKER

SMART values

• Freely available and open source
• Responds to needs and feedback from front-line users
• Scalable and customizable to a wide variety of locations and contexts
• Packaged with an extensive support and training network
• Commitment to long-term funding and support through the SMART Partnership

What do I need to use SMART mobile data collection?

SMART mobile data collection using Cybertracker is an extension to your existing SMART installation.

• Computer (laptop or desktop) with Windows OS, machine (laptop or desktop) with min. 4GB RAM, 8 or higher recommended
• Mobile device with either Windows Mobile or Android OS
• Mobile data collection in SMART using CyberTracker requires that basic SMART and CyberTracker software programs are installed and configured for your site(s) (see a Guide to Getting Started with SMART for more)

When you are ready to move forward with SMART Connect, contact your SMART Partner or info@smartconservationtools.org.

The SMART Partnership is a group of global conservation agencies, conservation organizations, and individuals that share a mission to conserve biodiversity, reduce the impacts of illegal extraction and trade of natural resources, strengthen law enforcement related to biodiversity conservation, and strengthen overall management of conservation areas.

smartconservationtools.org
Protected areas are at the conservation frontline of efforts to protect species and habitats from poaching and other threats. To respond effectively, protected area staff need information on where threats are occurring and the capacity to address them quickly. Often, these solutions need to be implemented in remote places, with limited staffing and resources. SMART was developed to respond to these fundamental needs.

**SMART Mobile Data Collection with CyberTracker—The best solution for capturing data in protected areas**

With SMART now implemented in over 200 protected areas worldwide, it has become the leading global solution for protected areas monitoring and conservation law enforcement. One of its greatest strengths is its mobile data collection capabilities, which has empowered and streamlined the data collection process, allowing for greater conservation effectiveness.

The mobile data collection component of SMART uses CyberTracker, a third-party platform created to simplify the collection of field data that has been successfully deployed in its own right in hundreds of sites around the world. SMART mobile data collection leverages the functionality of CyberTracker to eliminate the need for field observations to be recorded separately from GPS data. CyberTracker uses a GPS enabled mobile device (e.g., smartphone or PDA) to collect both observation and GPS data in a single unit. After a patrol returns to the office, the observation and GPS data are transferred directly into the SMART database in a semi-automated process.

**What is SMART?**

The SMART (Spatial Monitoring and Reporting Tool) Approach combines a cutting edge protected area management tool with capacity building and a set of best practices. The SMART software makes it possible to collect, store, communicate and analyze ranger-collected data on illegal activities, wildlife, patrol routes, and management actions to understand where efforts should focus, and evaluate ranger performance. It comes with a mobile data collection app combined with a powerful analysis and mapping interface designed for, and customizable by, local users.

How can SMART Mobile Data Collection using CyberTracker help?

1. **Quickly record georeferenced field data without the need for additional data entry steps**
   - Standardizes and streamlines data capture across your site(s), eliminating the need for additional data processing after completion of field work
   - Provides an instantaneously georeferencing database of field data
   - Based on CyberTracker, a proven, collaboratively-developed solution driven by user needs that has been deployed in hundreds of sites globally

2. **Capture georeferenced photos to validate field observations**
   - Photos are extremely useful for documenting wildlife and for providing evidence of wildlife crime for law enforcement activities
   - Capture important observations in photos while on patrol and save them with coordinates and important metadata

3. **Leverage SMART Connect for real-time data submission and alerts**
   - SMART Connect is an online application that allows real-time data transfer to ‘connect’ rangers in the field to central command centers
   - Develop, manage, and respond to real-time alerts to enable more effective and rapid operational responses

Use of SMART mobile data collection in concert with SMART Connect, greatly enhances the potential of SMART as a tactical, operational, and analytical tool for both protected area managers and protected area management agencies.