CyberTracker Conservation

CyberTracker Conservation is a non-profit organisation whose vision is to promote the development of a Worldwide Environmental Monitoring Network. CyberTracker software, which is free, has been downloaded more than 37 000 times and the CyberTracker website has received visits from more than 7000 cities in more than 190 countries.

Climate change, pollution, habitat destruction and loss of biodiversity may have serious impacts on human welfare. To anticipate and prevent negative impacts will require ongoing long-term monitoring of all aspects of the environment.

Our mission is to improve environmental monitoring for the benefit of biodiversity conservation. CyberTracker is also being used in education, forestry, organic farming, social surveys, crime prevention and disaster relief.
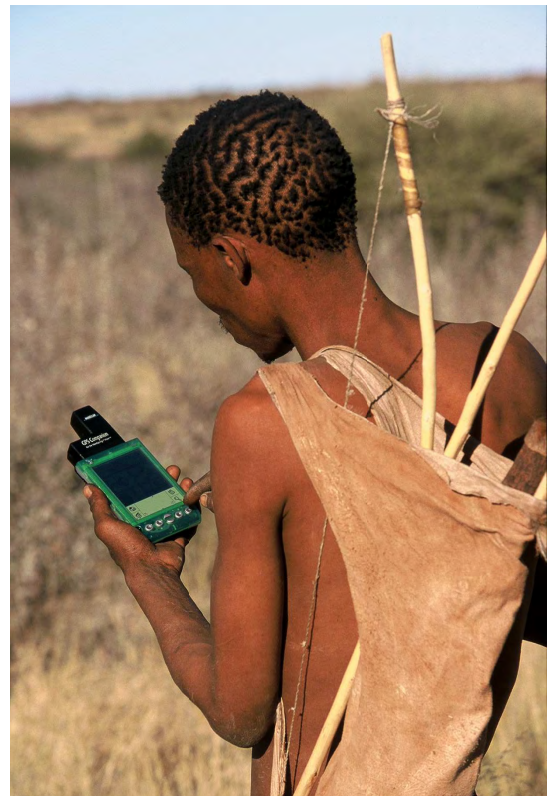
CyberTracker is the most efficient way to gather large quantities of geo-referenced data for field observations, even by non-literate users, at a speed and level of detail not possible before.

Scientists and conservationists benefit from the icon interface enabling significantly faster data collection than text interfaces or written methods.

Involving scientists and local communities in key areas of biodiversity, CyberTracker combines indigenous knowledge with state-of-the-art computer and satellite technology. Public participation in Citizen Science will also help to develop environmental awareness.
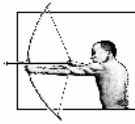
Objectives:

- **Ongoing Software Development** to refine ease-of-use and keep up with new technology.

- **Develop Electronic Field Guides** and Species Identification Filters that can be replicated worldwide, working towards an Electronic Encyclopaedia of Life.

- **Improve Observer Reliability:** Evaluate and certify tracking and practical observation skills.

Revitalising the ancient Art of Tracking and developing a New Science to monitor the impact of Climate Change on Biodiversity

Our ultimate vision is that millions of Smartphone users will use CyberTracker to capture observations on a daily basis. Data streaming into the Internet will make it possible to monitor the entire global ecosystem in real time.
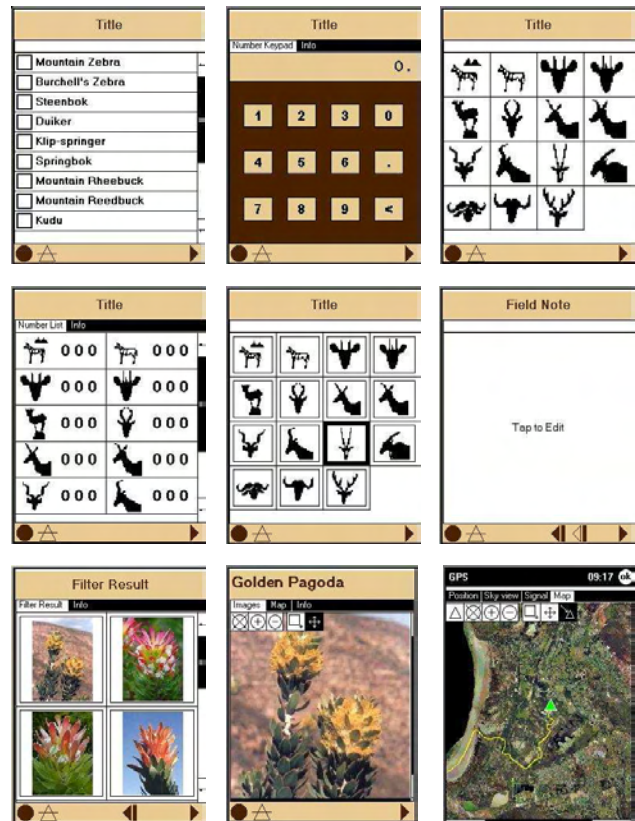
CyberTracker Software

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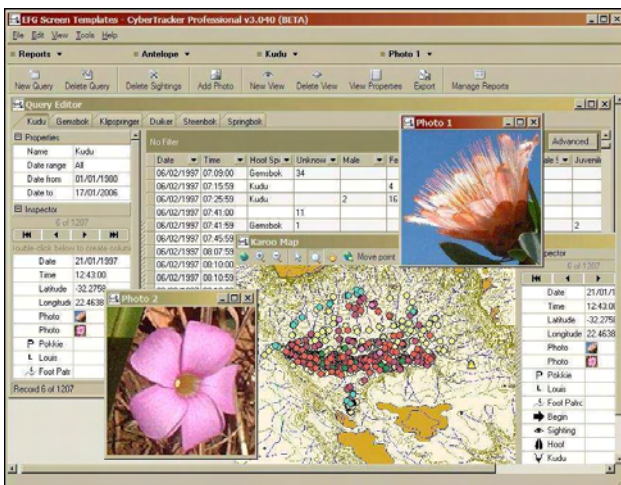
CyberTracker is designed to be quick and easy to use in the field. A user-friendly interface developed for PocketPC and PalmOS handheld computers and Smart Phones with GPS allows field workers to record hundreds of detailed observations per day. Data has few or no errors because of CyberTracker's unique interface design

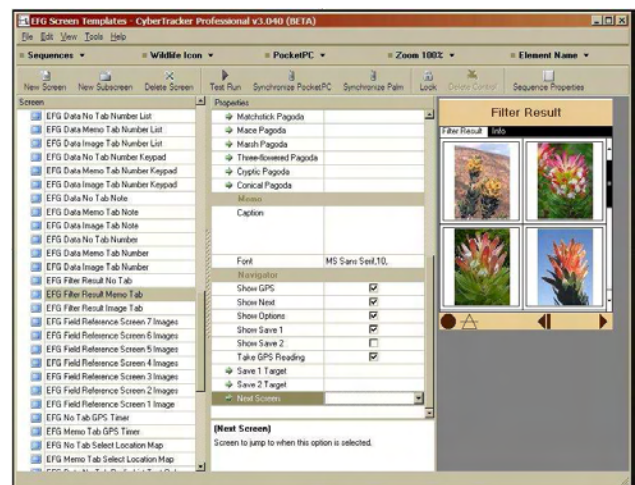**The CyberTracker software** allows users with no programming skills to:

- **Design and edit a database**
- **Customise Screen Sequences** using the Sequence Designer feature
- **Create an Electronic Field Guide** with a **Species Identification Filter**
- **Gather geo-referenced data** with PDA or Smart Phone with GPS
- **Navigate** with GPS Moving Map
- **Query and View data** on Desktop PC with Maps, Tables and Photo Views
- **Effort of Patrol** and **Index of Abundance**
- **Export data** for advanced analysis to MS Excel, eXtended Markup Language (XML), ESRI Shape Files, Web Page (HTML) or Comma Seperated Values
- **Use CyberTracker Import and Export** system to share data with colleagues
- **Change Database** over the life of a project without losing existing data

Icon or Text design saves time in the field. The **Electronic Field Guide** and **Species Identification Filter** are integrated into the sequence design

Add Photo feature makes it easy to attach photos to data points. Simply click on data point on map to view photos and data.

Screen Sequence Design: Selecting screen templates and linking them together requires no programming skills.