

Cyber tracker

Valentina Spanu



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Faculty of Geo-Information Science and Earth Observation, University of Twente



Introduction

What is Cyber tracker?



- It's a method of gps field data collection;
- It's possible to use it on a Smartphone or handheld computer to record any type of observation.

How to use it?

<http://www.cybertracker.co.za/>

the most efficient method of field data collection - Windows Internet Explorer

<http://www.cybertracker.co.za/>

Microsoft Exchange - ... Tiscali Mail CyberTracker 3 Dem... CyberTracker - Crea... smartphone - Dizion... CyberTracker - T...

CyberTracker

Towards a Worldwide Environmental Monitoring Network

HOME SOFTWARE TRACKING CONTACT US search...

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- Worldwide Net
- Indigenous Know
- Environment
- Research
- Citizen Science

- Introduction
- Feature List
- New Features
- Free Download
- Hardware
 - PC Requirements
 - Handheld Devices
 - Rugged Computers
 - SmartPhones



efficient method of gps field data collection. You can use CyberTracker on a computer to record any type of observation. CyberTracker, which requires no



To connect the IPaq to the computer it's necessary to install Active Sync.

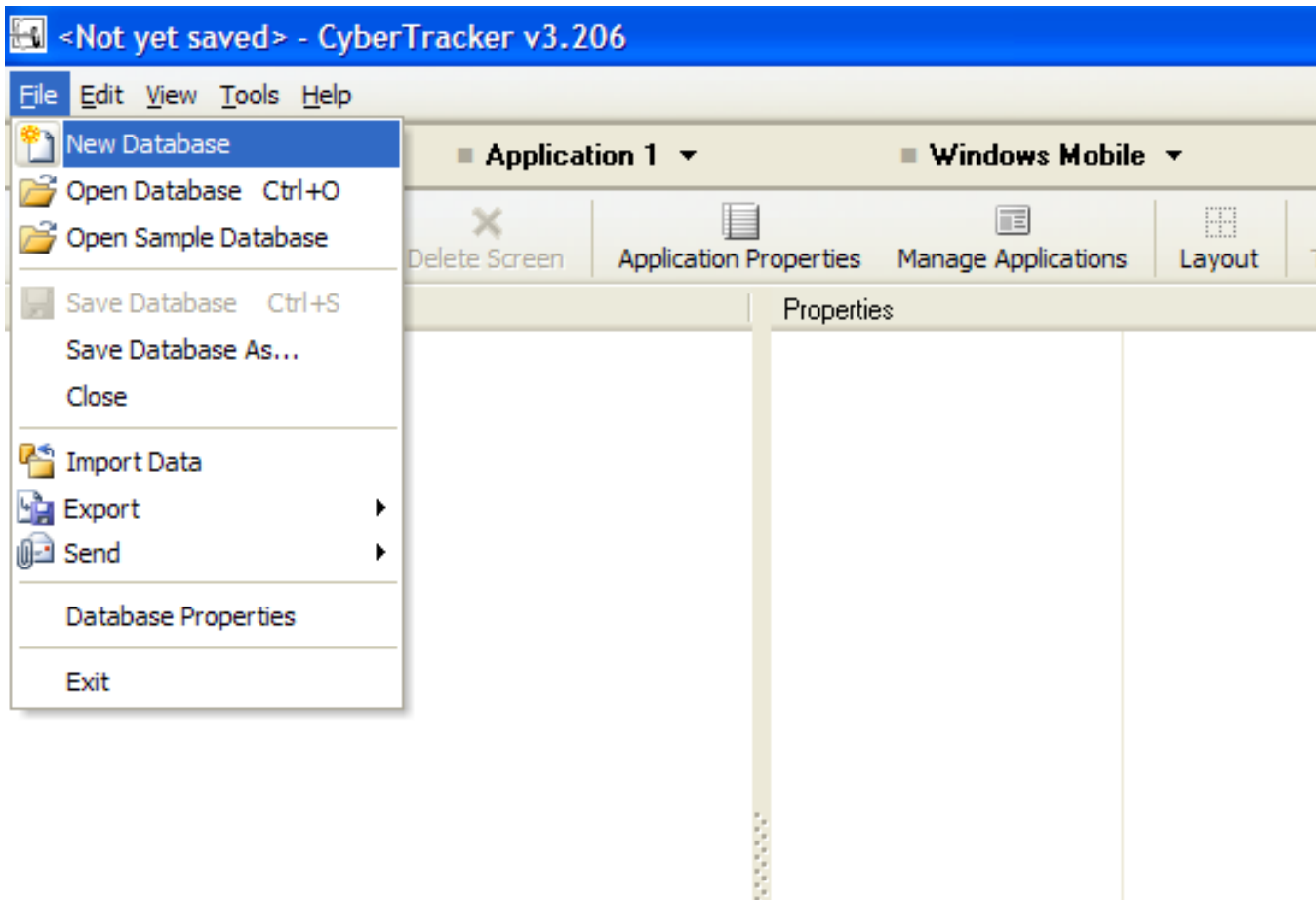
A very useful link for CT tutorial is the following:

<http://www.steventonconsulting.com/FlashDemo/CyberTracker3.html>

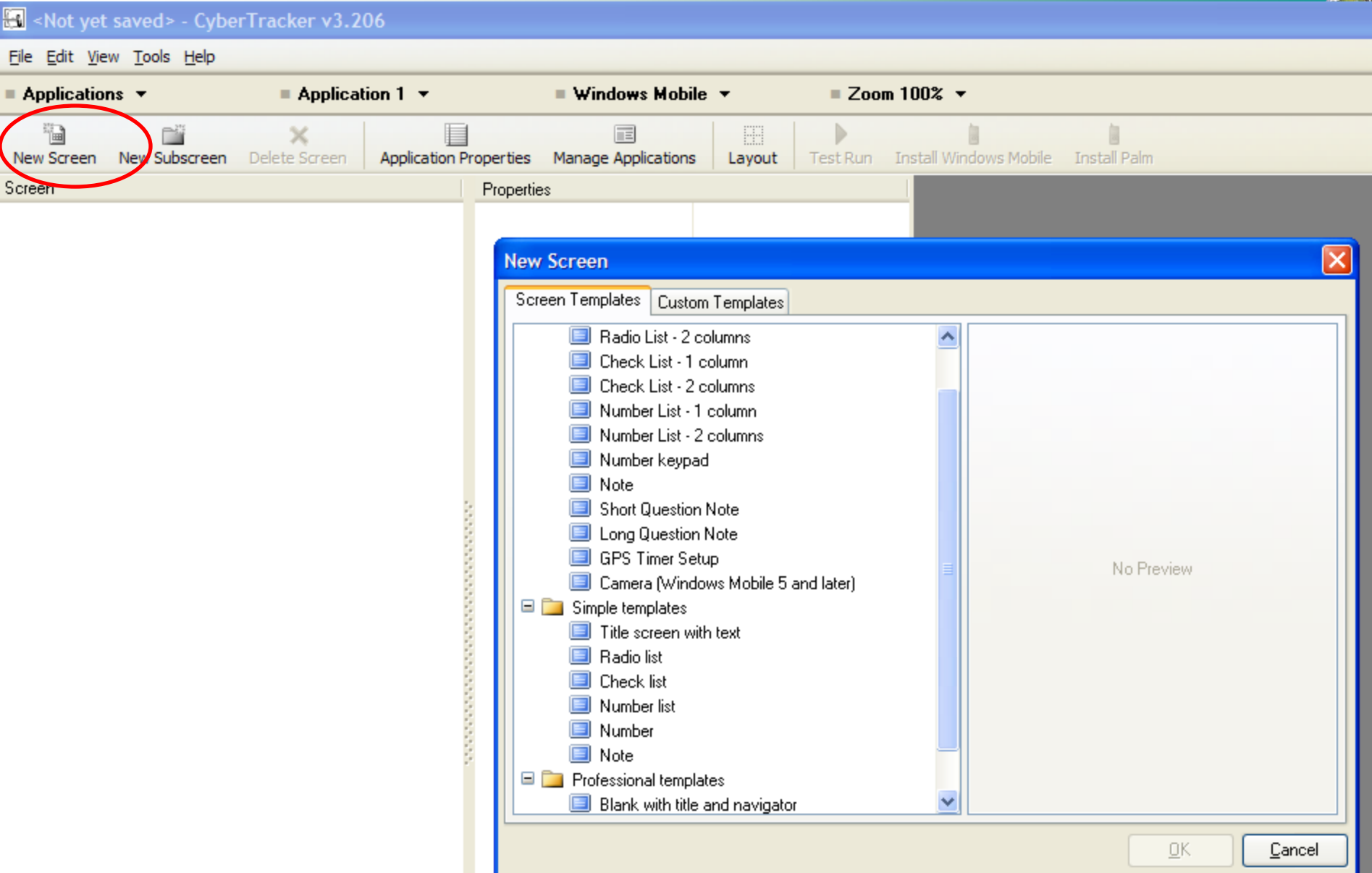
Here it's possible to have a demo guide and tutorial who leads the beginners to the first approach with the program.

How does it work?

Every time we want to create a new sequence we have to open a new database:



Then we have to create a new screen:



Every time we introduce a new question we have to link it to its screen with “result element”:



PGIS_Georgia - CyberTracker v3.206

File Edit View Tools Help

Applications Application 1 Windows Mobile Zoom 100%

New Screen New Subscreen Delete Screen Application Properties Manage Applications Layout Test Run Install Windows Mobile Install Palm

Screen

- PGIS Georgia
- General information
- People knowledge of the hazards
- Frequency
- Event duration
- Spatial extent
- Speed of arrival
- Structures Vulnerability
- Infrastructures vulnerability
- People vulnerability
- Elderly
- Families with children
- Handicapped
- Seriously ill
- Single mothers
- Coping strategies
- Official evacuation sites
- Non official evacuation sites
- Structure adaptation
- Escape routes
- Perception
- End

Element List

Properties

Hide links	<input type="checkbox"/>
Item height	25
Left	12
List mode	Checkboxes
Minimum item height	16
Minimum item width	32
Minimum value	0
Maximum value	999999999
Output checks	<input type="checkbox"/>
Result Element	Frequency <input type="checkbox"/>
Result global value	
Retain only scroll state	<input type="checkbox"/>
Retain state	<input type="checkbox"/>
Retain state reset key	
Right to left	<input type="checkbox"/>
Save result	<input checked="" type="checkbox"/>
Scroll width	9
Show caption	<input checked="" type="checkbox"/>
Show lines	<input checked="" type="checkbox"/>
Show radio sound	<input type="checkbox"/>
Show radio sound stop	<input checked="" type="checkbox"/>

Frequency

How many times in one year?

Tap to Edit

Very high frequency

High frequency

Moderate frequency

Low frequency

Very low frequency

Navigation icons: Home, Back, Forward, Exit



With “Test Run” it’s possible to simulate the IPaq screen:

The screenshot shows a software development environment with a toolbar at the top. The toolbar includes buttons for 'Properties', 'Manage Applications', 'Layout', 'Test Run', 'Install Windows Mobile', and 'Install Palm'. The 'Test Run' button is circled in red. Below the toolbar, a window titled 'Test Run and Install' is open. This window has a title bar with 'Application 1', 'Windows Mobile', and 'Zoom 100%'. The main content area of the dialog shows a mobile application interface with a black header 'PGIS Georgia' and a large image of the Georgian flag. To the right of the image are three buttons: 'Install To Windows Mobile', 'Install To Palm', and 'Reset'. At the bottom right of the dialog is a 'Close' button. A 'Toolbox' on the right side of the dialog lists various static controls: Selector, Panel, Image, Zoom Image, Sound, Scroll box, Marquee, GPS, Range Finder, Memo, Title bar, Notebook, and System state. At the bottom of the dialog, there is a note: 'Select an Application from the Navigator drop down on the top left.'



In the last screen it's very important to include the arrow downwards to register everything

PGIS_Georgia - CyberTracker v3.206

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- End

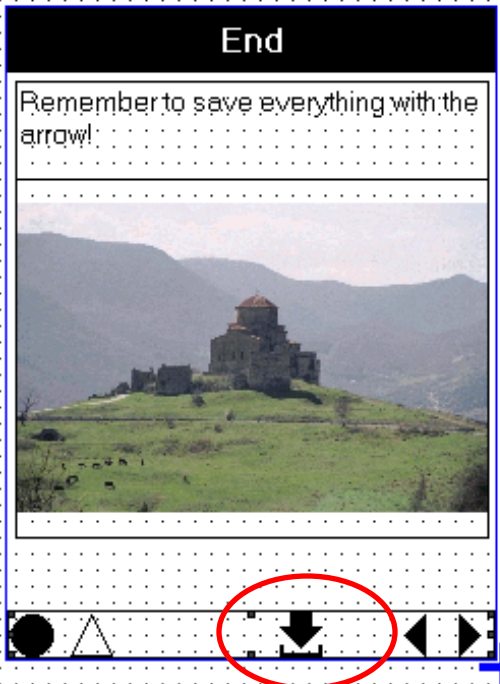
Navigator

Properties

Border color	Black
Border line width	1
Border style	None
Border width	0
Button border	None
Button border line width	1
Button border width	0
Button width	25
Color	White
Dock	Bottom
Left	0
Height	24
Show back	<input checked="" type="checkbox"/>
Show GPS	<input checked="" type="checkbox"/>
Show home	<input type="checkbox"/>
Show next	<input checked="" type="checkbox"/>
Show options	<input checked="" type="checkbox"/>
Show save 1	<input checked="" type="checkbox"/>
Show save 2	<input type="checkbox"/>
Skip font	MS Sans Serif,10,
Take GPS reading	<input checked="" type="checkbox"/>
Take GPS skip timeout	0

End

Remember to save everything with the arrow!



The screenshot shows a mobile application interface. At the top, there is a black header with the word "End" in white. Below the header is a white box containing the text "Remember to save everything with the arrow!". Underneath the text is a landscape photograph of a stone building on a hill. At the bottom of the screen is a navigation bar with several icons: a black circle, a white triangle, a downward-pointing arrow (circled in red), and two black triangles pointing left and right. A blue plus sign is visible at the bottom right corner of the screen.

Transferring the sequence to the IPaq

When we connect the IPaq to the computer we have to be sure that the time is the same in both of them.

Then we have to click in “Install Windows Mobile”:

PGIS_Georgia - CyberTracker v3.206

File Edit View Tools Help

Applications Application 1 Windows Mobile Zoom 100%

New Screen New Subscreen Delete Screen Application Properties Manage Applications Layout Test Run **Install Windows Mobile** Install Palm

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Navigator

Properties

Border color	Black
Border line width	1
Border style	None
Border width	0
Button border	None
Button border line width	1
Button border width	0
Button width	25
Color	White
Dock	Bottom
Left	0
Height	24
Show back	<input checked="" type="checkbox"/>
Show GPS	<input checked="" type="checkbox"/>
Show home	<input type="checkbox"/>

End

Remember to save everything with the arrow!

Navigation controls: Home, Back, Forward, Stop, Exit

When we will import back all the collected information, it will be possible visualize the sequence clicking on:



Applications > Reports

The screenshot shows the PGIS_Georgia - CyberTracker v3.206 application. The 'Applications' menu is highlighted with a red circle, and the 'Reports' option is selected. The interface displays a list of application elements on the left, a properties panel in the center, and a preview window on the right.

Applications > Reports

- Applications
- Elements

PGIS_Georgia - CyberTracker v3.206

File Edit View Tools Help

Applications Application 1 Windows Mobile Zoom 100%

Subscreen Delete Screen Application Properties Manage Applications Layout Test Run Install Windows Mobile Install Pa

PGIS_Georgia

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- Non official evacuation sites

Navigator

Properties

Lock Properties	Show back; Show GPS; S
Border color	Black
Border line width	1
Border style	None
Border width	0
Button border	None
Button border line width	1
Button border width	0
Button width	25
Color	White
Dock	Bottom
Left	0
Height	24
Show back	<input checked="" type="checkbox"/>
Show GPS	<input checked="" type="checkbox"/>

End

Remember to save every arrow!

Query Editor

Longitude	6.90085333333333
Altitude	49.9
Accuracy	2.5
General information	tblsi; 29/09/2010; nino,28;christian.f
Frequency	3times
High frequency	
Event duration	5days
Spatial extent	5km
Speed of arrival	1km/d
Structures vulnerabili	school
Vulnerable	
Infrastrucures vulner.	bridge
Vulnerable	
Farmer	
Very vuln.	
Self-employed	
Vuln.	
Formal empl.	
Mod.vuln.	
Informal empl.	
Slig.vuln.	
Official empl.	
Not vuln.	
Family/clan	
V.high pr.	
Official evacuation si	hospital

No Filter

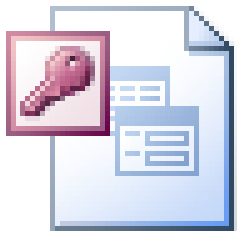
Date	Time	Elderly	Elderly	Elderly	Elderly	Elderly
29/09/2010	16.52.04					
28/09/2010	12.19.43	Farmer ;\`	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver
29/09/2010	11.12.22	Farmer ;\`	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver
29/09/2010	11.28.42	Farmer ;\`	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver
29/09/2010	11.54.51	Farmer ;\`	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver
29/09/2010	12.48.00	Farmer ;\`	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver
29/09/2010	14.43.51	Farmer ;\`	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver	Farmer ;Ver
23/09/2010	16.23.40	Self-emplk	Self-employe	Self-employe	Self-employe	Self-employe

The collected information





What we have just created is an MDB file (**M**icrosoft **D**ata **B**ase), that is an access file that memorizes six kind of objects: tables, query, cards, reports, macro and modules. All this in just one *MDB file*.



PGIS_Georgia.MDB

Microsoft Office Access Applic...

5.544 KB



And now let's try!



Thank you!

spanu23779@itc.nl

