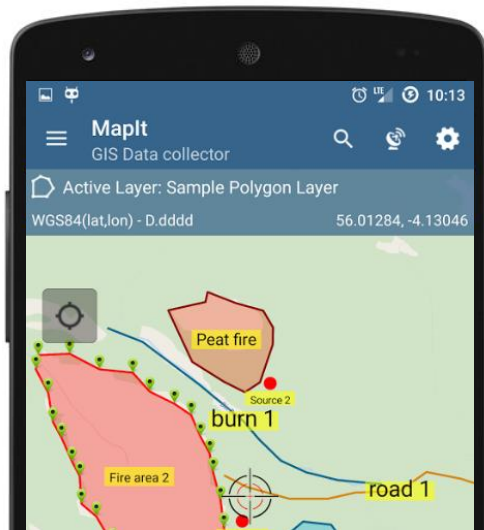


# Mobile Apps for Fieldwork Planning, Managing & Measuring



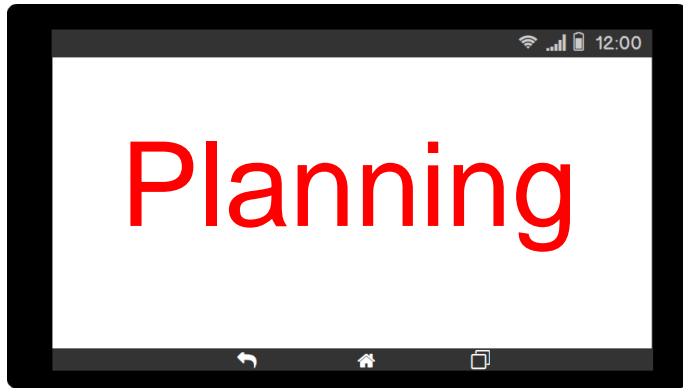
Dr James Millington

@jamesmillington

@kingsgeocomp

<http://bit.ly/FieldApps>

<https://goo.gl/a8PKnk>



Establishing likely  
field conditions

Mapping  
Tracking

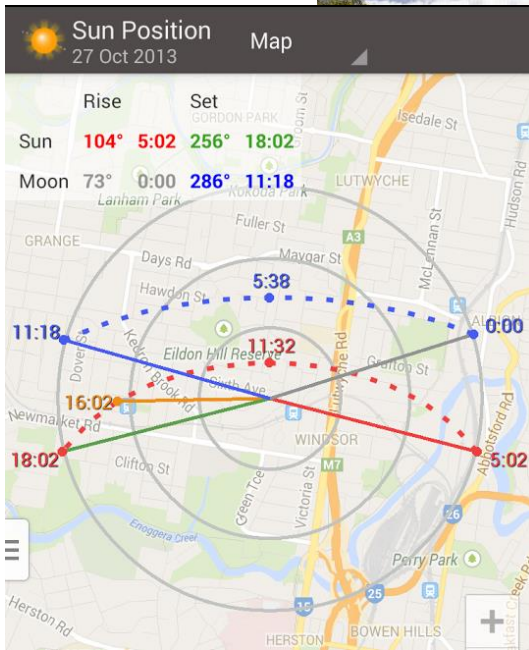


Recording  
Surveying

Using your device  
as an instrument



# Weather, Sun, Moon



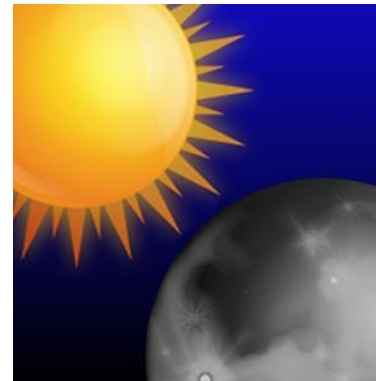
Sun Position



Weather  
Forecast UK



Weather  
for the World



LunaSolCal  
Mobile



My Tide Time

# Mapping



Google Earth



PDF Maps



BackCountry Navigator



GPS Logger  
for Android



+ Camera



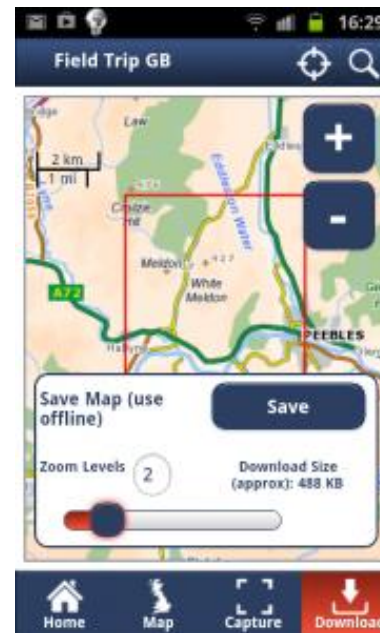
+ GPS note





# Fieldtrip GB

EDiNA



Title

Rock Type

Rock Description

Dip

Strike

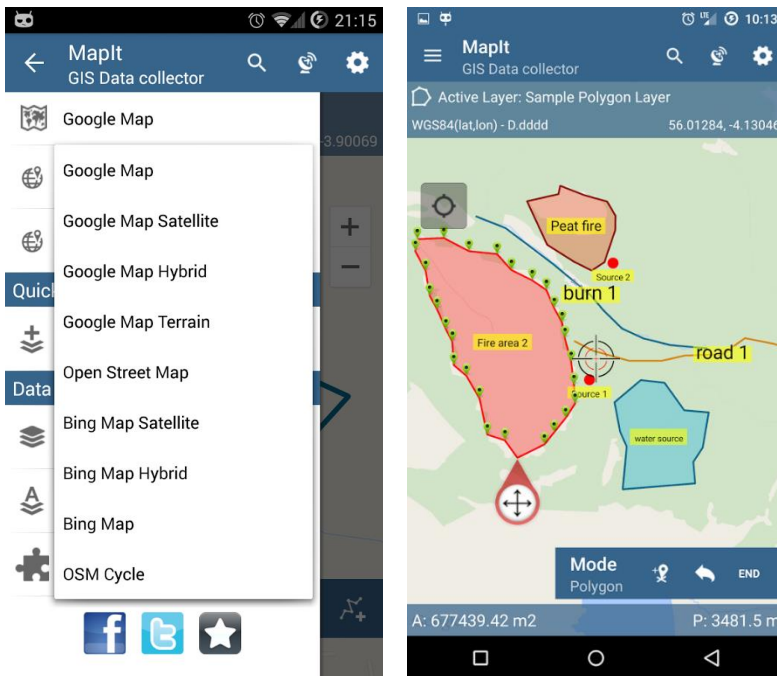
Note Book Ref

Photo



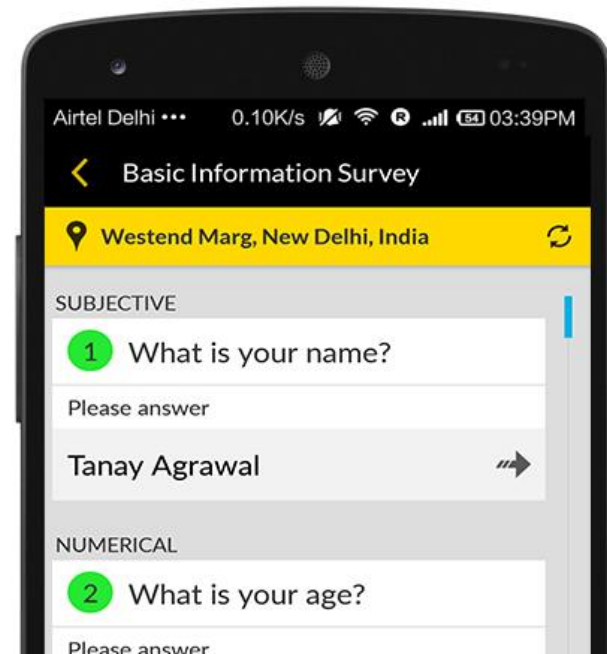
# Map It

## GIS Data Collector



# Collect

## Data Collection Tool



# Managing Data in the Field

ArcGIS



Collector



Survey 123



Explorer



ArcGIS



QGIS (Experimental)



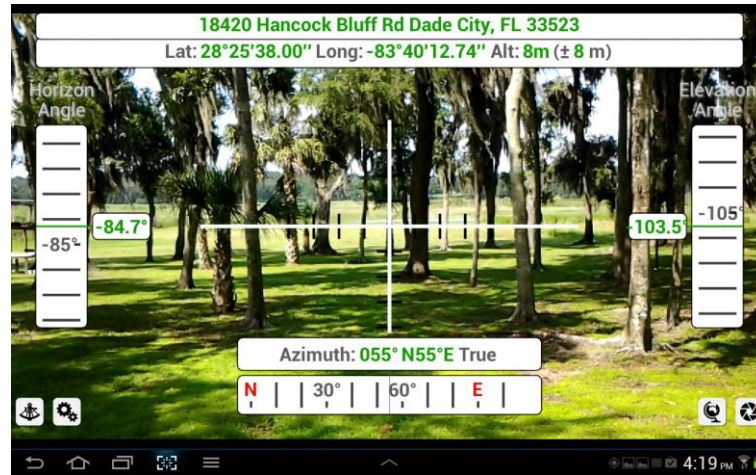


# Measuring

## Theodolite



Measure Angle

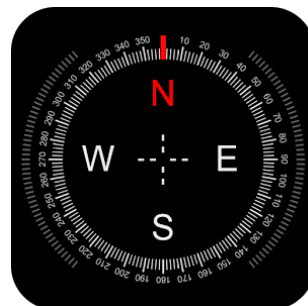


## Slope



Clinometer

## Aspect



LED Compass

## Albedo



Reflectance

## Sampling



Random Number



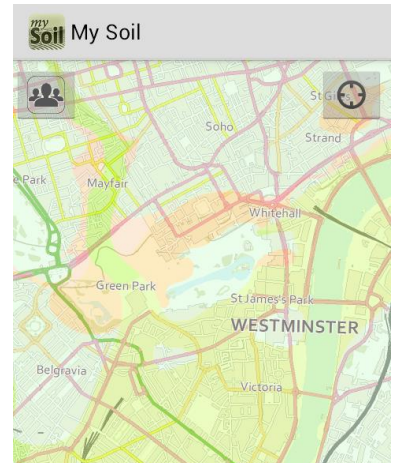
# Geology and Soils



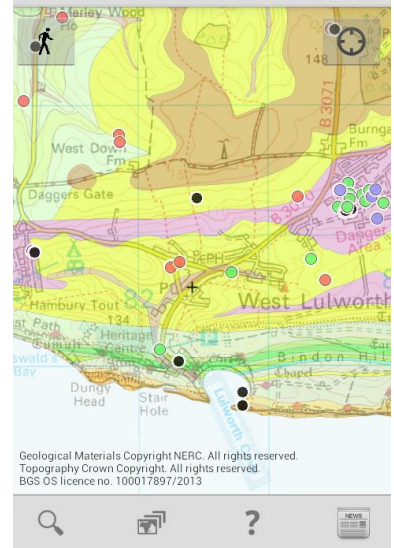
Strike & Dip



mySoil



iGeology



iGeology



# Ecology: Species ID

## 'Traditional' Guides



Tree Id



ArbolApp



UK Birds



Goggles

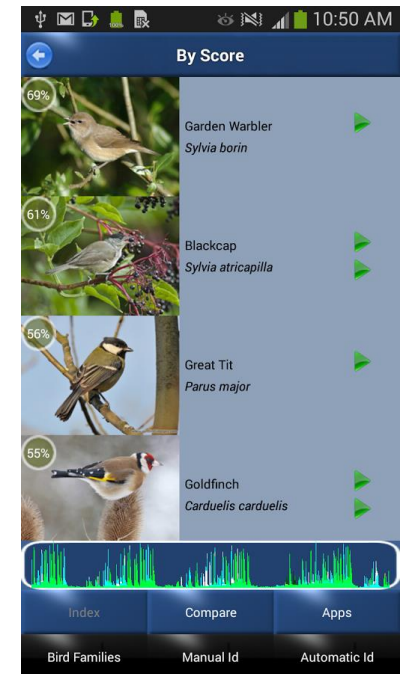


Warblr



Bird Song Id

## Image & Sound Recognition



# General Tips

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## ■ **Testing:**

- ❑ Practice before going in the field, benchmarking
- ❑ Experiment with alternatives, try then buy

## ■ **Connectivity:**

- ❑ Check when an Internet connection is needed

## ■ **Hardware:**

- ❑ Check if specialist sensors are needed
- ❑ Consider SIM and storage cards

## ■ **Get Creative:** Combine apps, make your own?