

# GVG, an agricultural information collection APP

Miao Zhang, José Bofana,  
Battsetseg Tuvdendorj,  
Awetahegn Niguse, Bingfang Wu

Institute of Remote Sensing and  
Digital Earth, Chinese Academy  
of Sciences

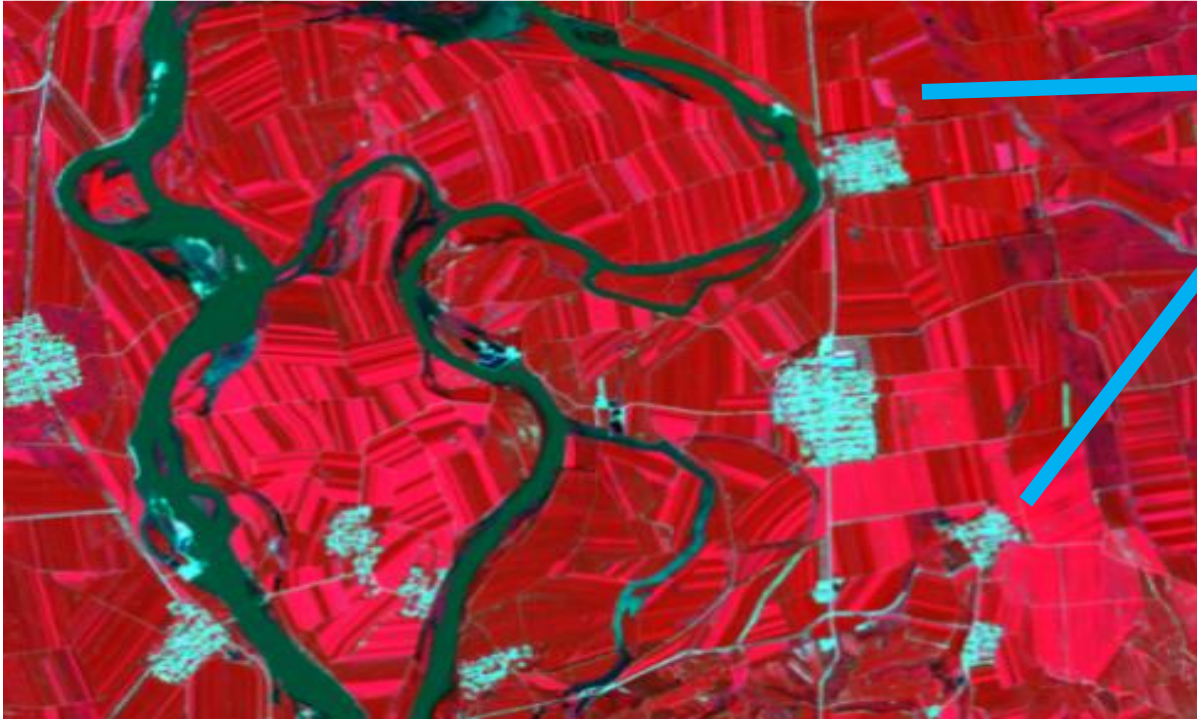
- Background
- Development of GVG Software
- Tutorial of GVG APP
  - Installation
  - Registration and activate your account
  - Settings
  - Data collection, backup to cloud and export

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# Outline



- Remote sensing can benefit agriculture a lot
- But can do more by integration with field survey data



What kind of vegetation? Crops or trees?

Field survey is needed

A efficient tool to collection field information?

False color combination of S2 over Heilongjiang Province

# Background

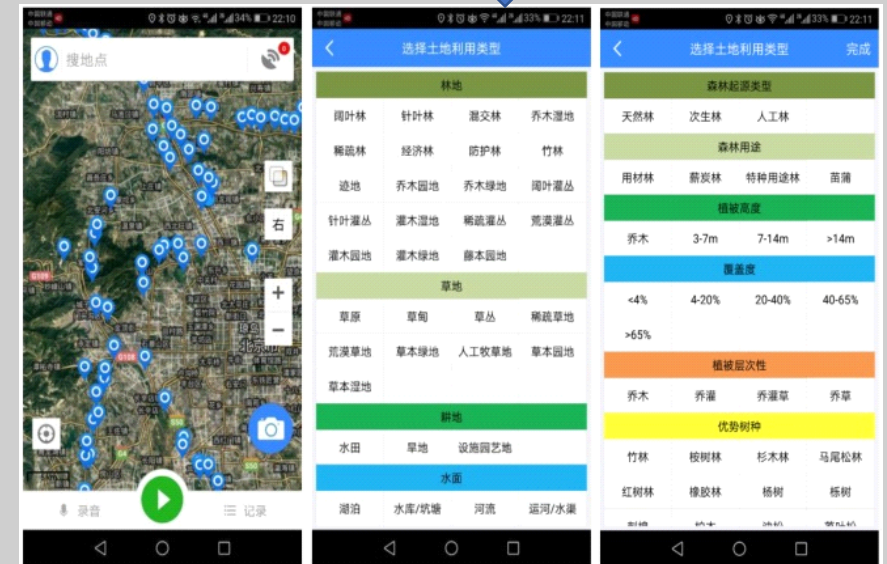


# Development of GVG software

What is GVG stands for? GPS, Video, and GIS

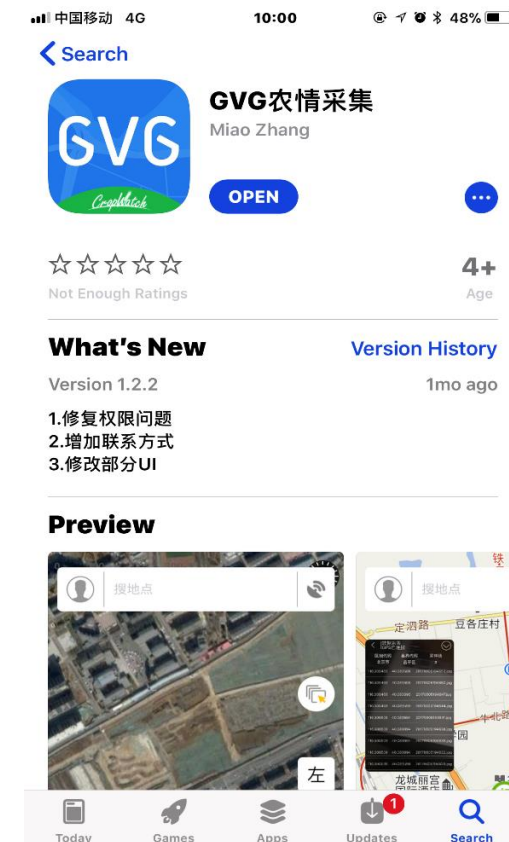
# Development of GVG software

To make it portable



# Tutorial

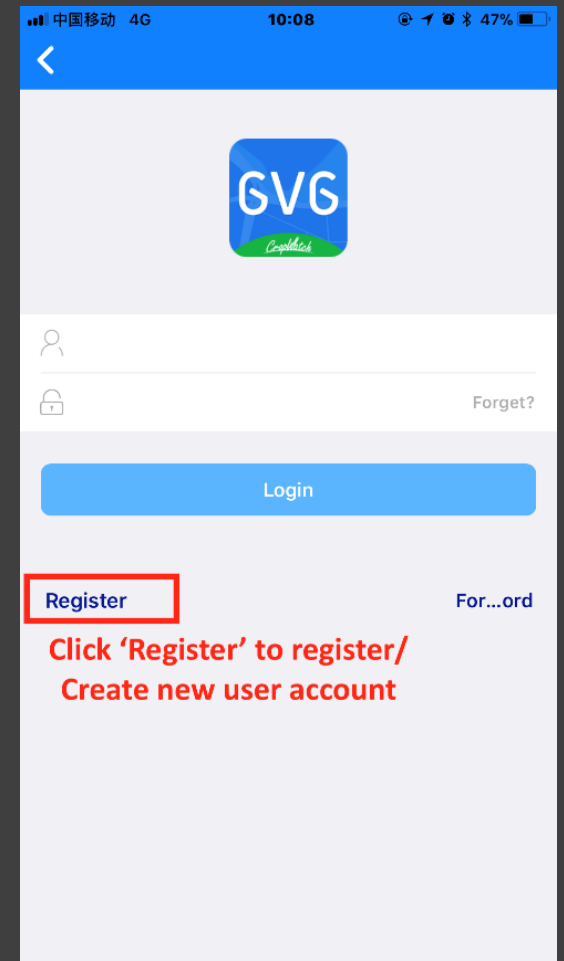
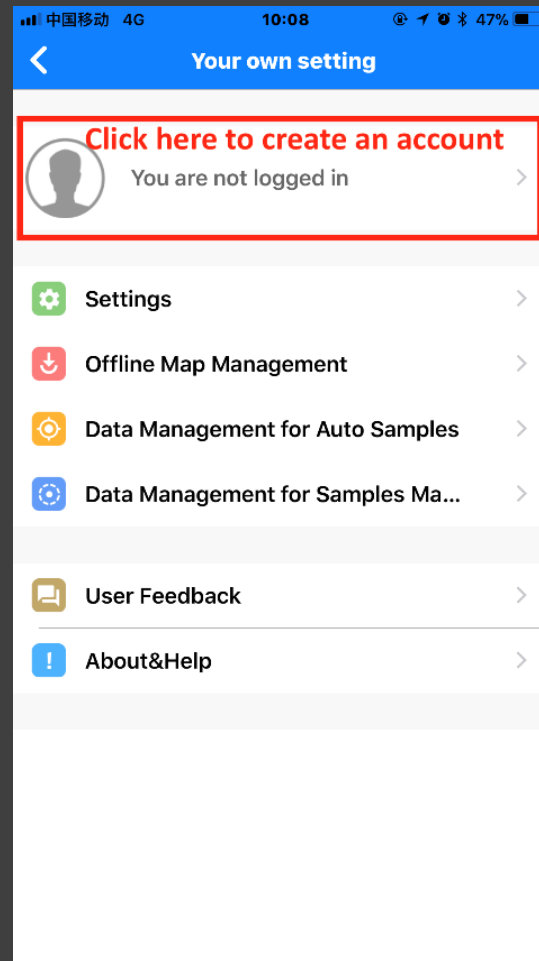
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# Installation

Search 'GVG' on iOS store or Google Play store





# Registration

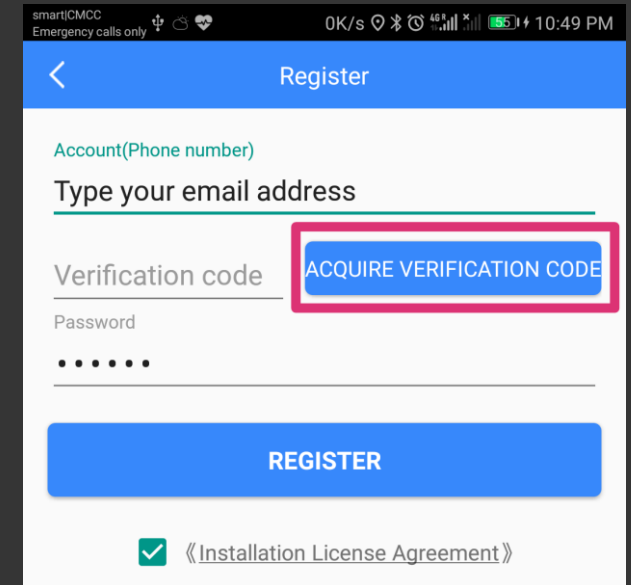
# Registration and activate your account

- Register using your email address as your account
- Send an email to gvg@radi.ac.cn with your email account requesting activation
- Wait for activation until you get confirmed email and login

Test account:

User name: 13426023663

Password: 666666



smartCMCC  
Emergency calls only

0K/s 4G 10:49 PM

< Register

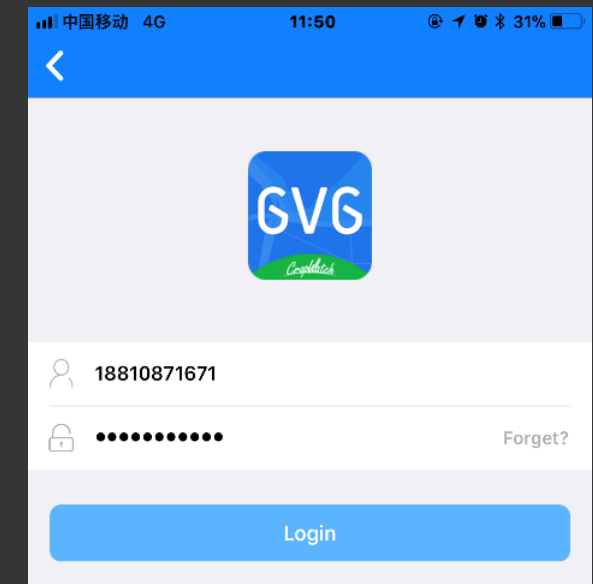
Account(Phone number)  
Type your email address

Verification code **ACQUIRE VERIFICATION CODE**

Password  
.....

REGISTER

☒ 《Installation License Agreement》



中国移动 4G 11:50 31%

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**GVG**  
Registered

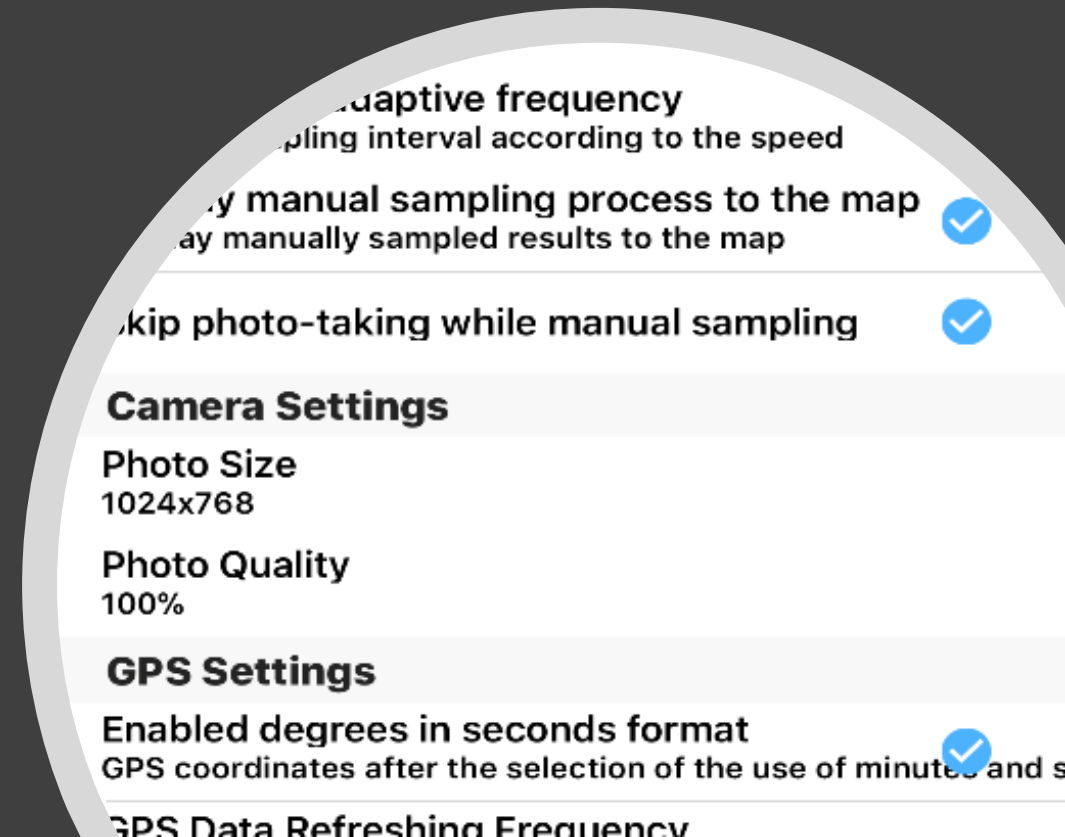
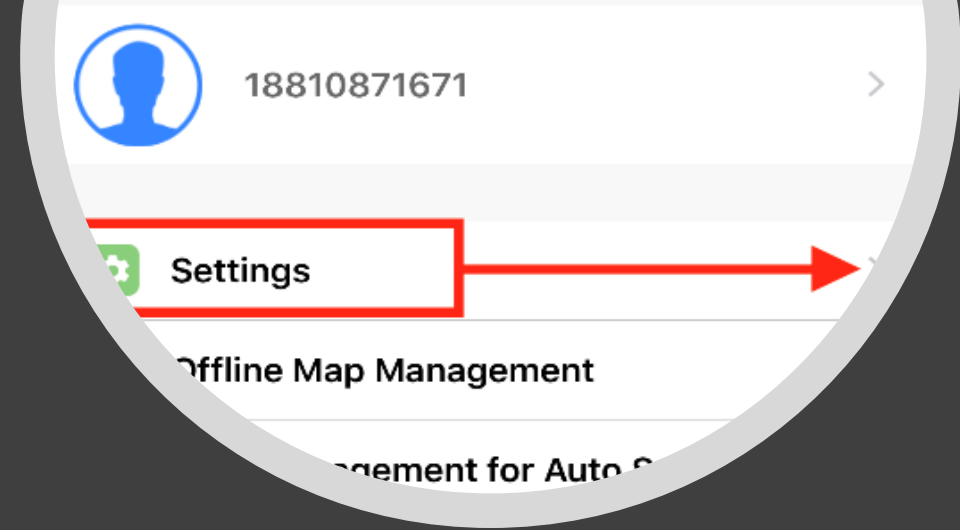
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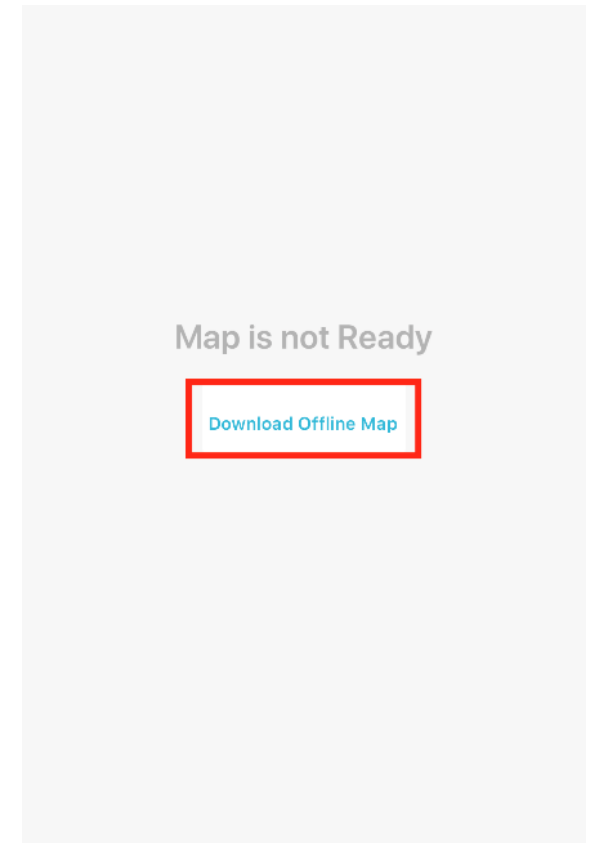
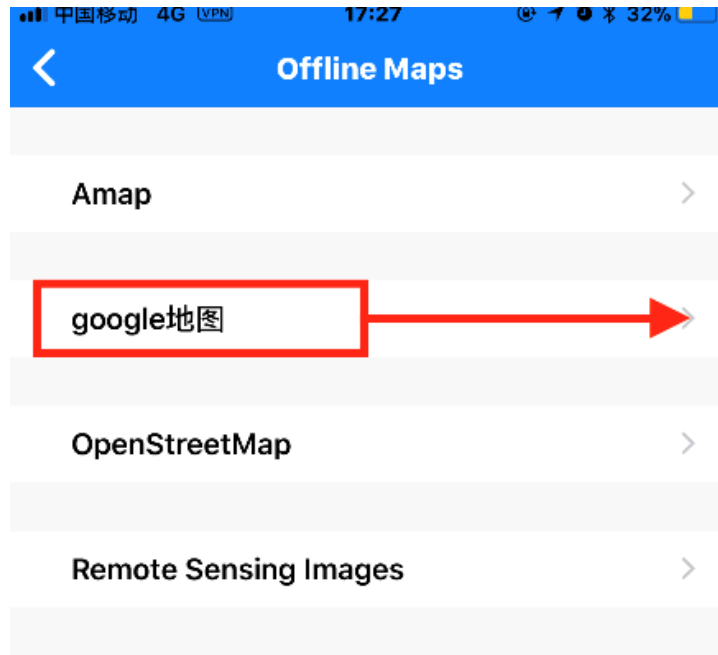
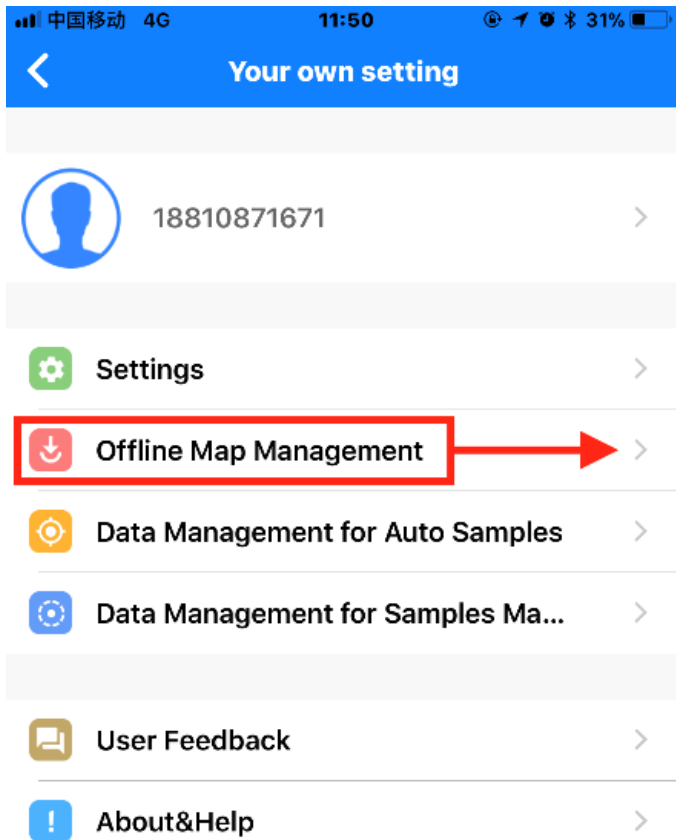
..... Forget?

Login

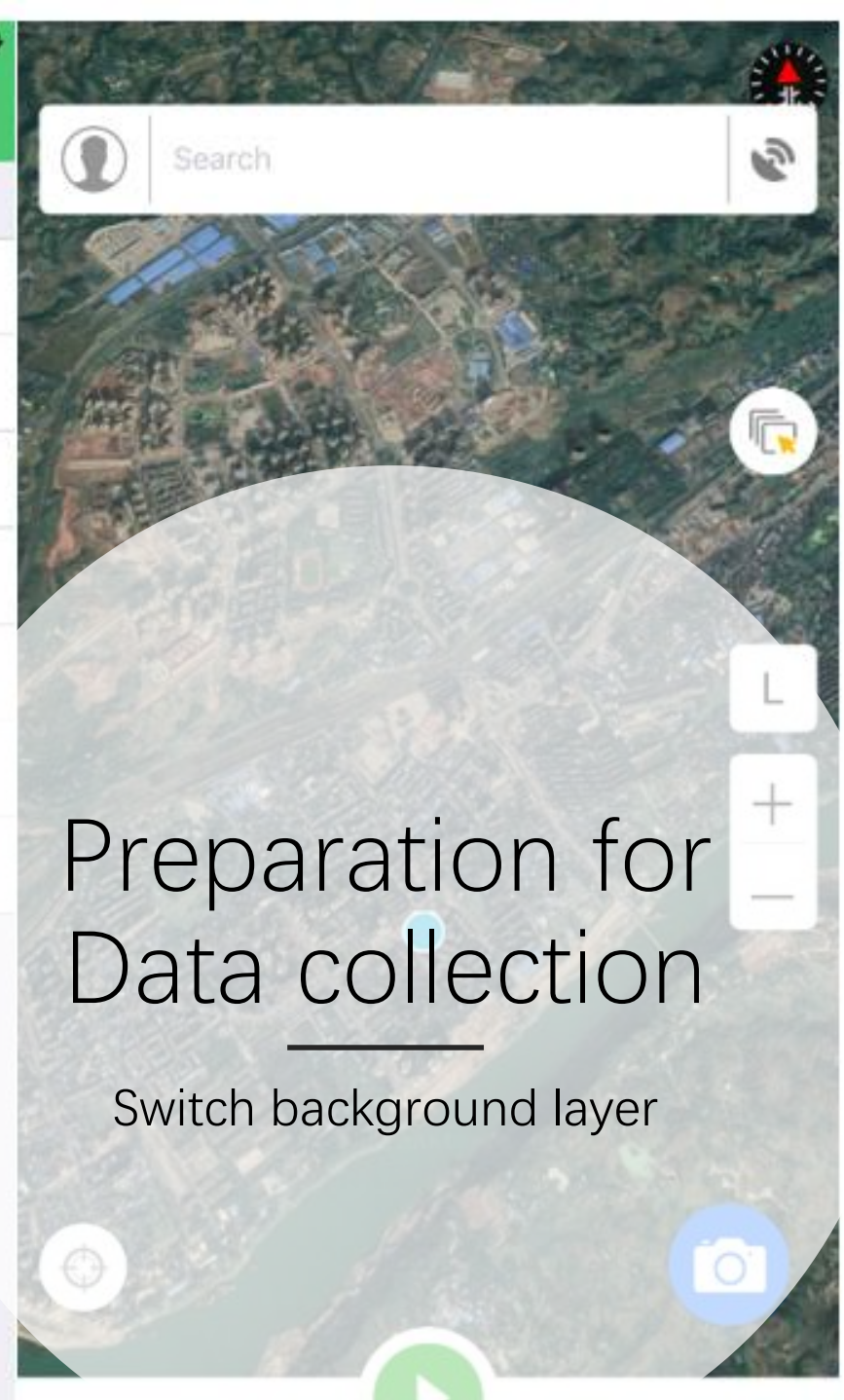
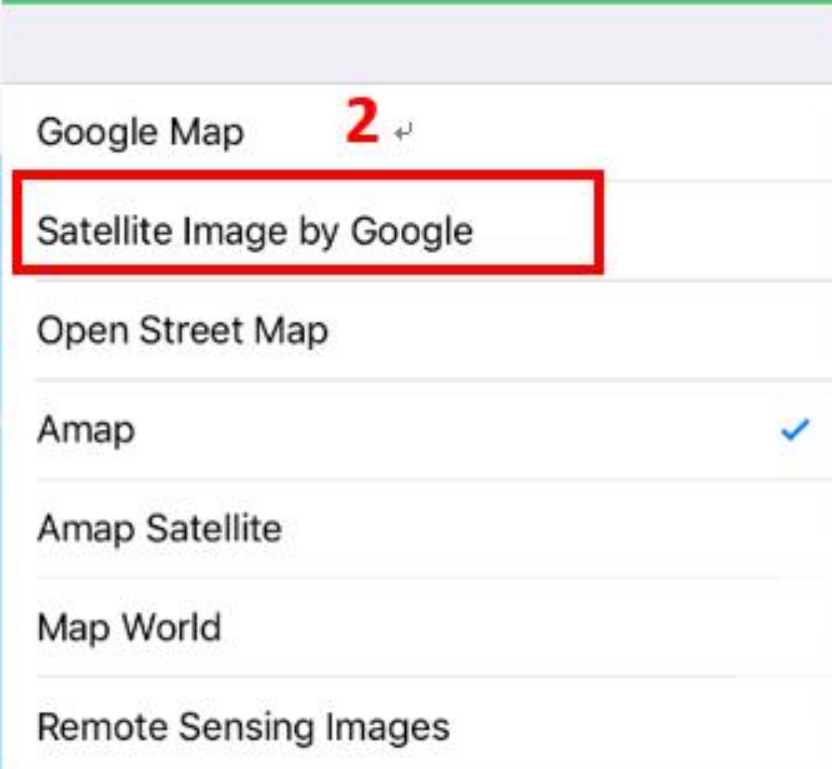
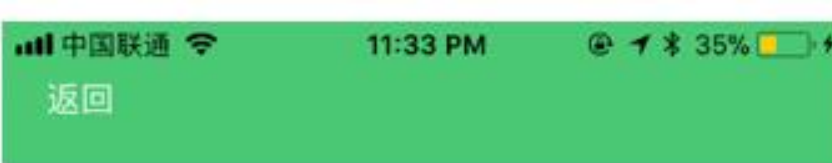
# Settings

- four main settings, each one regarded to one task: Recording Settings, Camera Settings, GPS Settings and Update Settings.





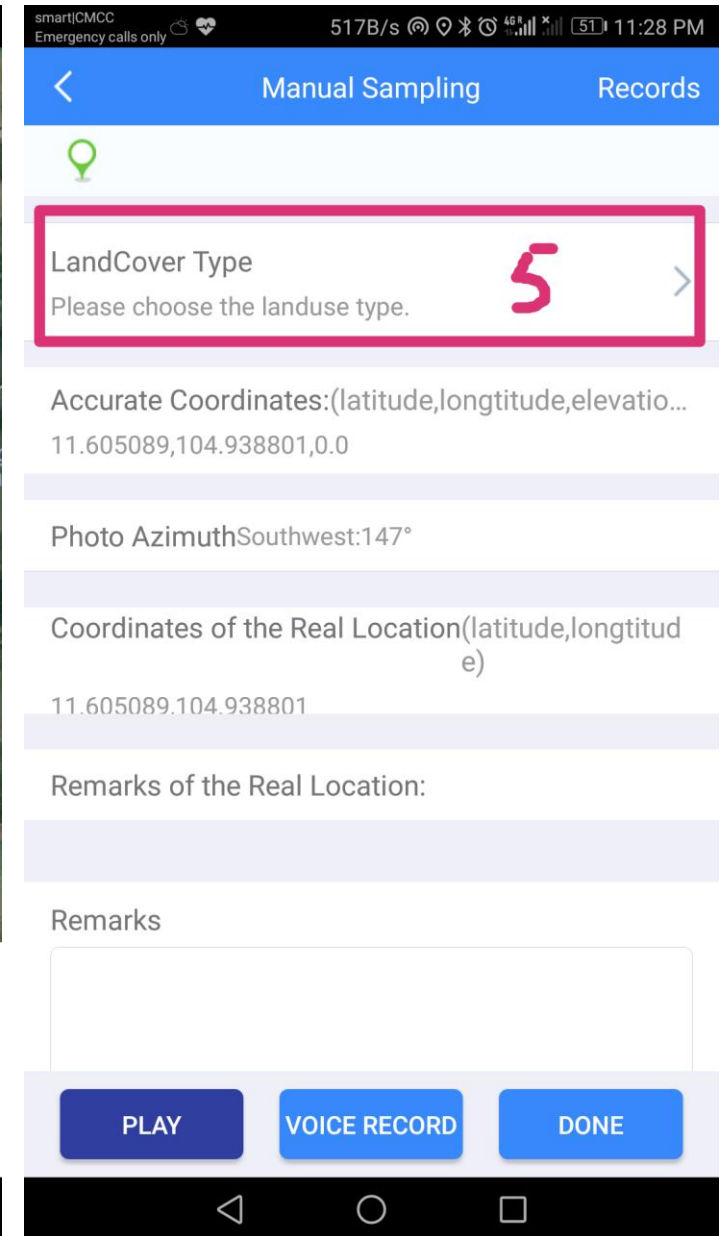
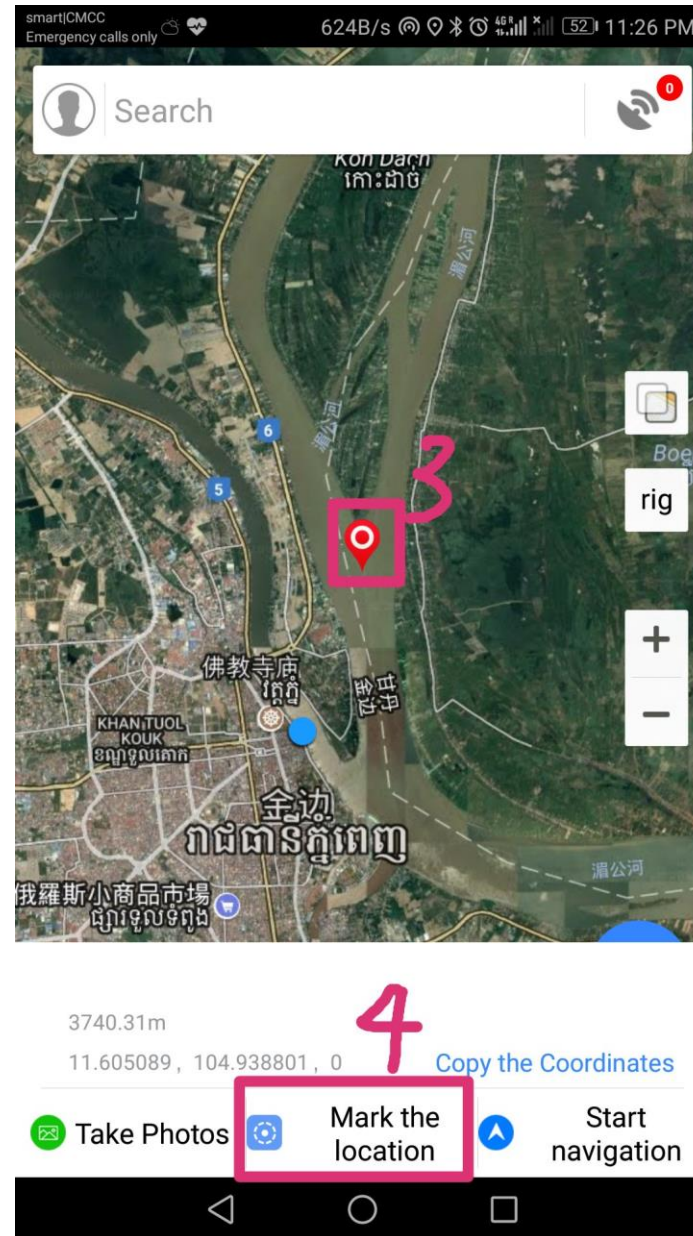
# Offline Map Management





# Data collection

To mark the sample on the map, click and hold for seconds, click [4] to start the navigation. The [5] is Landcover Type selection part.



smartCMCC Emergency calls only			
OK/s 11:29 PM			
Choose the LandCover type			
Forest lands			
Broadleaf forest	Needleleaf forest	Broadleaf and needleleaf	Tree wetland
Sparse forest	Economic forest	Protection forest	Bamboo
Scar	Tree garden	Tree orchard	Broadleaf shrubland
Needleleaf shrubland	Sparse thickets	Desert shrub	Shrub garden
Shrub orchard	Vine garden		
Grasslands			
Steppe	Meadow	Grass	Sparse grassland
Desert grassland	Herbaceous grassland	Tame pasture	Herbaceous garden
Herbaceous wetland	Alpine desert grassland	Peat land	
Croplands			
Paddy field	Dry farmland	Facility garden	
Wetlands			
Lake	Reservoir/Pond	River	Canel/Channel
Aquafarm	Beach land	Salt pan	Emergent plants
Built-up lands			
Construction land	Transportation land	Mining field	Under development
Other lands			
Moss/Lichen	Bare rock	Gobi	Bare soil
Desert	Sandy land	Salina	Permanent ice/snow

smartCMCC Emergency calls only			
20B/s 11:30 PM			
Choose the LandCover type			
Dry land crops			
Wheat	Maize	Soybean	Cotton
Sorghum	Potato	Sweet potato	Cassava
Barley	Millet	Rapeseed	Peanut
Sunflower	Sugar	Flue-cured tobacco	Melon
Vegetable	Bast fiber	Beans	Eggplant
Tomato	Day lily	Wolfberry	Sugarcane
Mulberry leaf	Click to add other crop		

Manual Sampling

Photo Azimuth Due East:80°

Set the Real Location

Remarks

Photo for this location: (Click to shoot)

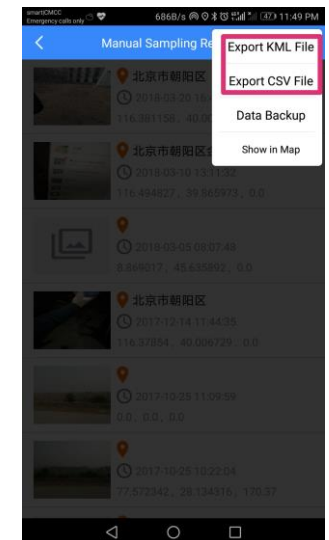
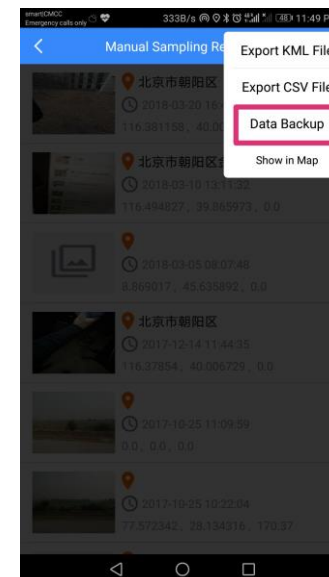
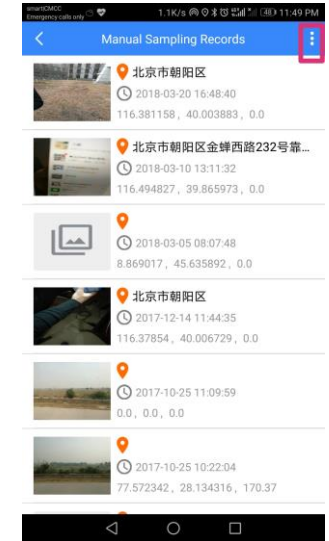
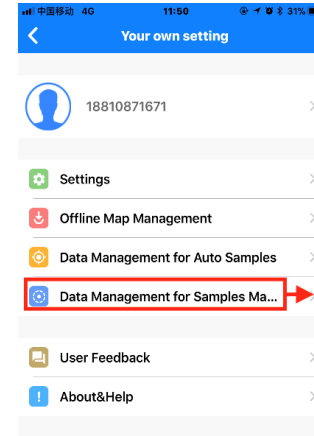
Play Voice Record Save

Photo can be also added [8]. After all, to click save button to keep your information saved [9].

# Mark the sample

# Backup your data to cloud and export to external files

- open the settings and Choose Data management for manual samples to backup your data
- After backup is done, points can be exported into KML or csv file





Thanks for your  
attention!