GVG, an agricultural information collection APP

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

What is GVG stands for? GPS, Video, and GIS
Development of GVG software

To make it portable
Installation

Search ‘GVG’ on iOS store or Google Play store
Where to download:


苹果App Store: https://itunes.apple.com/cn/app/gvg%E5%86%9C%E6%83%85%E9%87%87%E9%9B%86/id1244686128?mt=8

华为应用市场: http://appstore.huawei.com/app/C100239505

豌豆荚: http://www.wandoujia.com/apps-com.sysapk.gvg

PP助手: https://www.25pp.com/android/detail-7710762/
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
four main settings, each one regarded to one task: Recording Settings, Camera Settings, GPS Settings and Update Settings.
Preparation for Data collection
Switch background layer
Offline Map Management
Offline Map Management

Google Satellite Image
Offline Map Management
OpenStreetMap
Offline Map Management

Start downloading
Data collection

- Land use and land cover data
- Crop type proportion
LULC 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.
Mark the sample

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

Take the photo first
Crop type proportion allows users to record images automatically in every stated time as shown below.
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!