



## UM\_FieldGIS Ultra Mobile Field GIS (Personal Field Data Collection Program) Embedded Google Map API

### What is UM\_FieldGIS?

UM\_FieldGIS is a Windows based personal field data collection program embedded by Google map API and PIM Pre-installed map.



### Who can use?

Any spatial information users who want to collect spatially distributed objects with their associated attributes information in timely and handy manners. e.g. Geographers, Geologists, Surveyors, etc.

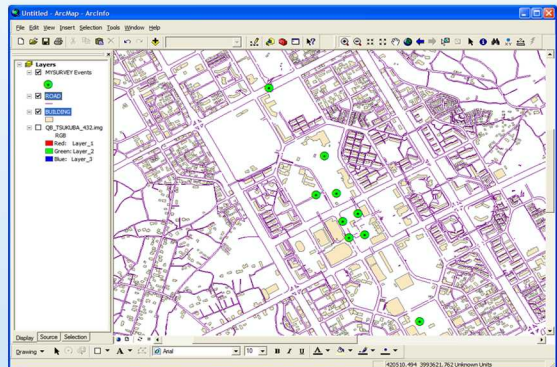
### What you can do with UM\_FieldGIS?

- ▶ Design new survey form/items in tabular format.
- ▶ Collect GCPs or Geographical Coordinates from either Google Map or PIM Pre-installed Map.
- ▶ Attach image(s) to each record (survey item).
- ▶ Manage (add, delete and edit) survey items.
- ▶ Spatial link between survey item and geographical location (under PIM mode).
- ▶ Import to ArcGIS program as ESRI Shape file.
- ▶ Calculate walking energy expenditure by user defined path.

### UM\_FieldGIS in Action



### Import to ArcGIS program, integrate with other GIS dataset



### Download (Free)

[http://land.geo.tsukuba.ac.jp/KOKO/Download/UMFieldGIS Download.htm](http://land.geo.tsukuba.ac.jp/KOKO/Download/UMFieldGIS%20Download.htm)

### SIS Field Survey



Each year, we have conducted SIS field survey activities by collection of public facilities, public opinions, ground truth data, in-situ measurement and other spatial information in order to understand social activities and their behaviors which related to geographical spaces to improve public facility management and decision making processes.

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