Unofficial gvSIG Mobile for Linux devices v. 0.1.6
One-page user manual

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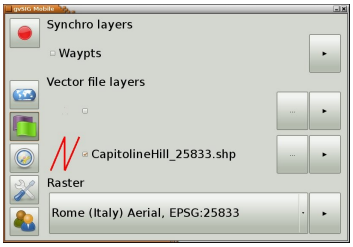
GUI basics. The top-left button changes the active tool. Visible tool is the active one. Tools are: “Zoom in”, “Zoom out”, “Move” and “Add POI”. The other five buttons act as tabs: “Show map”, “Manage layers”, “Manage GPS”, “Settings” and “Credits”.

Exercise 1. Basic layer management and navigation.



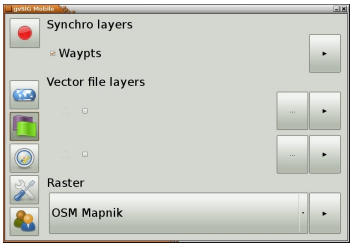
- Go to the settings tab and choose EPSG:25833
- Go to the layers tab, choose “Rome (Italy) Aerial” in the bottom combo box (which only lets you see the layers that match the current SRS) and hit the ▸ button (which means “zoom to that layer”). After a few seconds you'll see the map.

- Go to the layers tab, hit one of the [...] buttons and open:

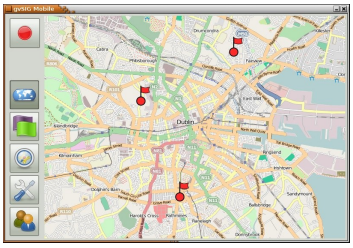
  `/usr/local/share/ugvsigmobile/CapitolineHill_25833.shp`

- Activate the check box to make the layer visible and optionally click on the legend sample to change colours, stroke width, etc.
- Push its ▸ button and the map will move to the Capitoline Hill in the center of Rome.

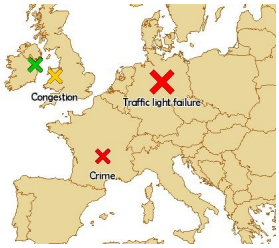
Exercise 2. Synchronisation of a POI layer with a remote PostGIS database.



- Go to the settings tab and choose EPSG:3857 (Spherical Mercator)
- Go to the layers tab, choose “OSM Mapnik” in the bottom combo box and hit its ▸ button (which means “zoom to that layer”). After a few seconds you'll see the map.
- Go to the layers tab and activate the check box tagged as “Waypts”. That layer is always present (visible or not) and is associated with a PostGIS table hosted my a web server located in Valencia (Spain). That server acts both as a synchronisation server and a web map server (WMS).



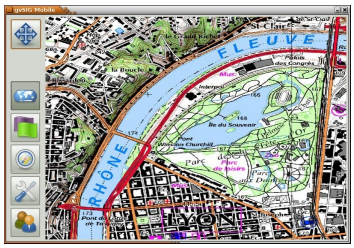
- Don't push the ▸ button this time. Go to the settings tab and push the “Sync” button. After a few seconds, you should see a “Sync OK” message and new POIs may appear on the map.
- Make the ● button (“Add POI”) visible and click somewhere in the map. A dialog will show where you can enter attribute values. Relevant attributes are “Road incident” and “Impact”. It'll be more fun if you don't leave them as “[Empty]”.
- If you click on an existing POI you'll be asked to add a new POI there or remove the existing one. Modification is not available yet, sorry.



- When you have added/removed some POIs, go to the settings tab and push the “Sync button” again.
- After the “Sync OK” message, you can visit this link and the image returned by that public WMS server should show your edits:

  http://lucasdom.homelinux.org/cgi-bin/mapserv.exe?map=D:/MAPSERVERCARTO/MAPFILES/wms005.map&REQUEST=GetMap&SERVICE=WMS&VERSION=1.1.1&LAYERS=world_countries,poi&SRS=EPSG:900913&BBOX=-10000000,-10000000,10000000,10000000&WIDTH=500&HEIGHT=500&FORMAT=image/png&STYLES=default,default&TRANSPARENT=TRUE

Exercise 3. Adding a new item to the tile layers combo-box.



- Web map services listed in the layers tab combo box are described in the file:

  `/usr/lib/ugvsigmo/persistence/raster.properties`

- Open that file with a text editor and add the lines contained in this file:

  http://gvsigmobileonopenmoko.files.wordpress.com/2010/02/new_image_service.pdf

  at the end (these data can be extracted from a WMS client's request)

- Restart the application and the new layer will be available if SRS is EPSG:4326.
- Following the file's examples, you can also add ArcIMS and OSM-like tile layers.