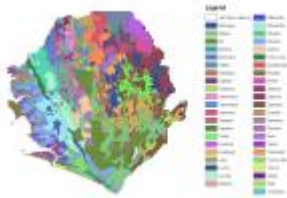


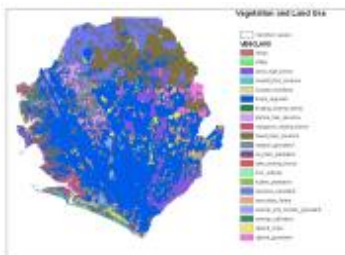
From Maps scans to GIS

For a project in Sierra Leone three weeks of GIS training in Freetown were conducted by Francis Kenny. Part of this training included the use of three Open Source GIS tools which were used to automate and publish some of the Sierra Leonean scanned maps made available from the EuDASM site.

Scanned Map to be georeferenced in ILWIS



Final Polygon map!



To produce and publish these maps the three GIS Open Source Tools used were.

GDAL Open Source Software for Raster Translation <http://www.gdal.org/>

ILWIS Open Source GIS Software for Digitizing <http://www.itc.nl/ilwis/>

GeoNetwork Open Source to publish the data and metadata
<http://www.fao.org/geonetwork/srv/en/main.home>

<http://www.fao.org/geonetwork/srv/en/metadata.show?id=31017&currTab=simple>

<http://www.fao.org/geonetwork/srv/en/metadata.show?id=30565&currTab=simple>

<http://www.fao.org/geonetwork/srv/en/metadata.show?id=31131&currTab=simple>

Two digitizing labs that were used for teaching in Sierra Leone.

"Heads Up "Digitizing from scanned hard copy map".



Part I: Georeferencing scanned images



Part II: Vector Point, Segment and Polygon Editing

Kenny F 2006. *Heads-up digitizing from scanned hard-copy maps. Manual on data conversion and data entry (Part I and II), prepared for the FAO project "Land use planning for optimizing agricultural production" - TCP/SIL/3101a, FAO, Rome.)*