

Workshop Resources

- Wiki: <https://wiki.eolab.de/doku.php?id=start>
- Geoportal: <https://geoportal.igac.gov.co/contenido/datos-abiertos-cartografia-y-geografia>
- Mapping Service: <https://www.colombiaenmapas.gov.co/#>
 - Use case: <https://www.colombiaenmapas.gov.co/?e=-82.43784778320864,-0.17644239911865092,-71.23179309571162,9.90326984502256,4686&b=igac&u=0&t=23&servicio=204#>
- Feature Server: https://codgis.itos.uga.edu/arcgis/rest/services/COD_External/COL_pcode/FeatureServer
 - Use case: https://codgis.itos.uga.edu/arcgis/services/COD_External/COL_pcode/MapServer/WFSServer?request=GetCapabilities&service=WFS
- QGIS Geographical Information System: <http://qgis.org/en/site/>
- Anaconda Python distribution: <https://www.anaconda.com/>
- Notepad++ Text Editor (for Windows users only): <https://notepad-plus-plus.org/>
- We will use several special Python packages to process geodata and to interact with geodatabases. The following list is not comprehensive:
 - ftplib
 - geopandas
 - shapely
 - fiona
 - pyproj
 - sodapy
 - matplotlib
 - pandas
 - numpy
 - json
 - requests

Create a new Anaconda environment. Do NOT install the packages in the base environment, e.g.

```
conda create -c conda-forge -n geo python
conda activate geo
conda install -c conda-forge ...
```

For more information, see the git repository of the course as well as [\[\[conda-cheatsheet.pdf\]\]](#)

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