

# GIS Instructions

## Installing the right environment and packages

### Anaconda Powershell Prompt

We will use several special Python packages to process geodata and to interact with geodatabases. The following list is not comprehensive:

- os
  - geopandas
  - shapely
  - sodapy
  - matplotlib
  - json
  - requests
  - etc.
- Create a new Anaconda environment. Do NOT install the packages in the base environment, e.g.

```
conda create -c conda-forge -n geo python=3 jupyterlab geopandas shapely  
matplotlib json requests
```

```
conda activate geo
```

```
pip install sodapy
```

```
cd ...
```

```
conda install -c conda-forge ... (or pip install ...)
```

(For more information, see the file attached

conda-cheatsheet.pdf

).

qgis\_workshop\_day\_1.pdf

From:

<https://wiki.eolab.de/> - **HSRW EOLab Wiki**

Permanent link:

<https://wiki.eolab.de/doku.php?id=c4ta:gis:instructions:start&rev=1726003799>

Last update: **2024/09/10 23:29**

