<https://en.wikipedia.org/wiki/Shapefile>

* Store geo loc and associated attributes info
* 3 mandatory files (.shp - .shx - .dbf)

3D = (X, Y, Z)

4D = (X, Y, Z, M)

geoTIFFs (read and use) => to plot 3D graph (matplotlib)

EXTRA:

1. Add price prediction based on location and surface?
2. Graphical interface (dashboard?)
3. Add features like lakes, forest, transportations, restaurants, etc.
4. Optimized fast version
5. For all Belgium? (We got only the files for Flanders.)

LIDAR = measure distance using light

Allow us to identify houses, vegetations, roads with points of different colors based on the height?

* Do we need to combine all files?

TO REVIEW:

1. Path creating function in the download file (can be improved by putting an \*args + calling the function in every other ones)

USEFULL LINKS:

1. <https://github.com/karimbahgat/PyCRS>
2. <https://epsg.io/transform#s_srs=31370&t_srs=4326&x=130000.0000000&y=208000.0000000>
3. <https://gis.stackexchange.com/questions/297088/clipping-geotiff-with-shapefile>

projection sys.

crs = lambert

y = 169179.89

x = 158306.89

google = epsg:4326

lambert = epsg:31370