Input :   Dateipfad   strg   vches hden ?
      Eingabe in   GUI

               ↓
┌───┐
│ import ...   Process Input   │
│   │
│ class process Input/ (path, epsg)   │   Was komm
│   shape polygon   │   raus venn
│   "   │   nicht sh(is)
│ path =   " ...."   │
│ epsg =   " ...."   │
│ read file   exists /   │
│ reproject to 4326   if epsg not empty ─   │
│ calculate bbox /convert to GeoJSON   │
│   │
│ envelope/   │
│ bbox = ...   │
│   "   │
│ ssf: change bbox format to ".....,..,...."   │
│   │
│ GeoJSON =   " ....."   │
│   │
└───┘

              API Stuff

┌───┐
│   import ...   │
│   │
│   "   │
│   url basicsearch=   " ......   │
│   stc   │
│   get-request.json =   url basicsearch + "bbox=" + (bbox) │
│   extract-urls to dict function   │
│   dict download-links = { "id." : "link" ; ...} │
└───┘

Output Data

```
import ... execute links

output path = „ ... " from GUI


read download links dict links
execute links  to output path

dict paths = { „id": „path.full"; ... }
for   id    in   dict download links
    path = op path + „/" + „id"
    add to dict id+path


    return dict paths
```

Raster 2 xyz

```
import ...  Geo Stuff

data  =   dict paths
points =   new shape
    for   data  in dict
        @dal to xyz
        add to shape
```
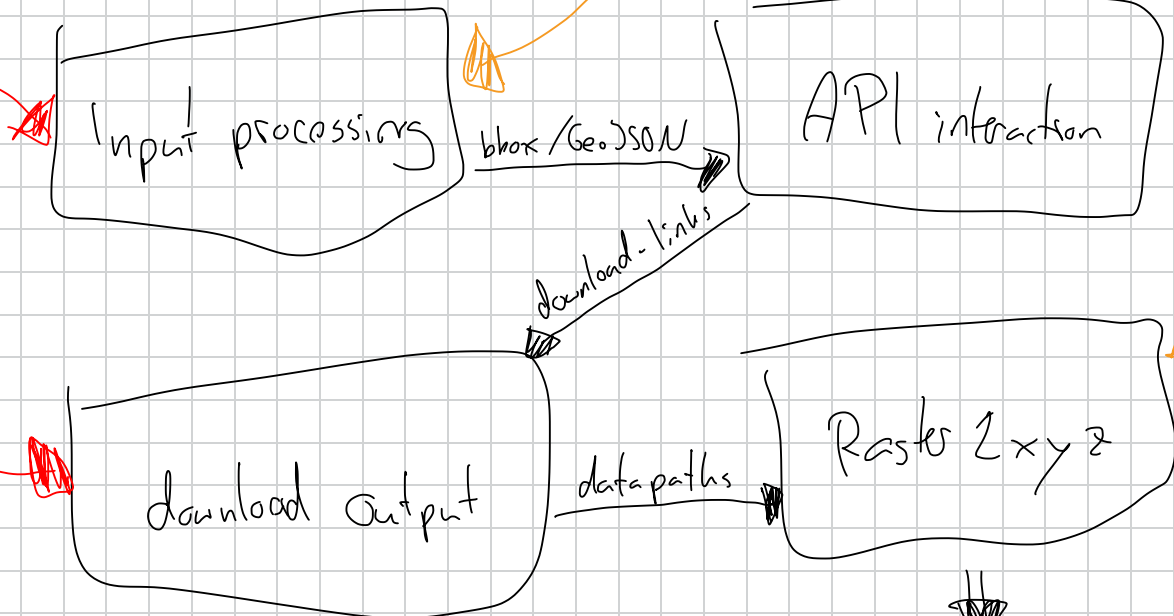
Structure

GUI

Input path data
↳ bool + epsg

Output path
↳ bool + data selection (raster)

Classes + function files

Input processing — bbox/GeoJSON → API interaction

download-links

download Output — datapaths → Raster 2 xyz

→ n raster.tif files

7 point-shape-file or similar