Report

1. Aim of the program (Goal)

* Save time
* Easy raster download of specific areas
* User friendly and easy handling for colleagues
* Maybe reprojection and converter to xyz in elevation models
* Maybe extension to other APIs/ more federal states
* Maybe extension to vectordata

Ein Bild, das Text, Screenshot, Display, Zahl enthält.

Automatisch generierte BeschreibungEin Bild, das Text, Screenshot, Schrift, Diagramm enthält.

Automatisch generierte Beschreibung

1. Project characteristics
   1. brief discussion of the submitted project
      1. e.g. a rudimentary overview of the code structure
      2. used libraries
      3. etc.

* GUI for

1. Results
   1. Explain resultant software
2. Challenges
   1. Short paragraph

* Starting difficulties
  + which libraries etc.
  + how to structure
  + how to connect the functions and files
  + Which way to get the tile ids intersecting the polygon? BKG, JSON, Metadata
  + Find out whats possible with the STAC API -> GET-requests
* Intersection with GeoJSON -> Tests with polygon
* Which packages do I need?
  + for geodata processing -> geopandas, OGR, Fiona, shapely, gdal,
* OOP and functions and connection between functions, classes and files
* Problems with intersection search
  + Request errors
  + Requests all items doesn’t select