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, 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