

Experimental Books workshop catalogue

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2/20/23

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Chapter 1

Home page

Chapter 2

Image from linked open data API

2.0.1 Image - Siege III: The Fortress of Raab occupied by the Turks, 1594. Painting, <https://wikibase.wbworkshop.tibwiki.io/wiki/Item:Q505>

The below Python code experiments with retrieving data from Wikibase using the API. This takes approx. 18 seconds to run due to the size of the images.

```
from PIL import Image
import requests

# Global variables
endpoint_url = 'https://wikibase.wbworkshop.tibwiki.io'
resource_url = '/w/api.php'
entity_id = 'Q505'

def get_entity(entity_id):
    resourceUrl = '/w/api.php?action=wbgetentities&format=json&ids=' + entity_id
    uri = endpoint_url + resourceUrl
    r = requests.get(uri)
    data = r.json()
    return data

media_data = get_entity(entity_id)
claims = media_data['entities'][entity_id]['claims']
for property, values in claims.items():
    if property == 'P22':
        for value in values:
```

```
    image_url = value['mainsnak']['datavalue']['value']
    im = Image.open(requests.get(image_url, stream=True).raw)
elif property == 'P23':
    for value in values:
        entity_id = value['mainsnak']['datavalue']['value']['id']
        object_data = get_entity(entity_id)
print('English title: ', object_data['entities'][entity_id]['labels']['en']['value'])
display(im)
```

English title: Siege III: The Fortress of Raab occupied by the Turks, 1594



