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ONB Labs Symposium 2021

## The ONB Library Labs so far and from now on

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## **ONB Labs so far: 2017-2021**

Part of the Austrian National Library's Digital Humanities Strategy/  
Goal to develop and release a prototype of a virtual Library Lab as a datahub and platform for Digital Humanities research and creative engagement with Austrian National Library's digital resources/

## **ONB Labs from now on: 2022-2026**

Ongoing process of strategic planning in alignment with the Austrian National Library's Vision 2035/

Aim: ONB Library Labs as core infrastructure for expanded data driven services

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## Provide access to data

- Metadata
- Fulltext
- Images
- Research data
- LOD

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## Historical Newspapers

This data set includes historic newspapers and magazines between 1568 and 1877. In total, these are 218,000 issues with about 2.1 million pages, which are available as images, text and metadata. This is a subset of the digitised newspapers available in [ANNO](#), the virtual reading room of the Austrian National Library. For ONB Labs we selected those issues, which are under a Public Domain Mark.

Die Presse 1849-04-07 (1849-04-07)

1. niederschlagen. Die Häuser, aus welchen  
er wurde, brannten auch sogleich, so daß  
da bald einem Feuermeer glich.  
Der für die Stadt rühmten unter solchen in  
schweren Kampf in den Straßen war, und so  
m. n. a. b. und nach die Maria Theresia, St.  
re, enthält St. Elisabeth im Süden ge-  
ren und so unteren äußeren Belanden erstreckt.  
Im 4 Uhr Nachmittags war theils auf Wagen,  
laufend das 1. Bataillon des 1. Bataillon  
samt, nach einer Offiziers Division aus Bo-  
vor Breslau angelangt, eine Militär-Musik-  
Korps angekommen, und nun war auch bald  
nen Widerstand mehr zu denken. -- Die Ge-  
hatten sich versetzt, versuchten sogleich  
die Gassenmauern zu entzünden, wurden aber  
nicht und mehr in das St. Elisabeth des  
St. Elisabeth und Porto die hinterbrachte.  
Dem bald 4 Uhr Nachmittags des 31. März 1849  
Nachmittags des 1. April hatte der Kampf  
bei. -- Der 1. April hatte der Kampf  
n. mancher der Straßen verloren. Dem Ge-  
Major Grafen Hagen mußte der Fuß ab-  
men werden, Oberst Graf Hagenauß blieb  
sein Sturme, und Der 1. April hatte der Kampf  
verwundet in die Hände der Infanterie,  
n. auf die größte Weise verwundet. -- Im  
n. beträgt unter Verlust an Leben 5 Offiziere  
0 Mann, an Verwundenen 10 Offiziere und  
an 150 Mann. -- Der 1. April hatte der Kampf  
seinen Lager auf den Straßen und in den  
ren.  
Im 2. April war das dritte Bataillon, unter  
Herrn Kommandant Baron Hagenauß, unter  
sein Siege den Marsch zurückgekehrt, wieder  
einmal eingetroffen.  
Der Kampf in dieser letzten Stadt, im  
1. der vorrückenden Hauptarmee, die über die  
einer barocke Hauptarmee, die über die  
genen, der barocke Hauptarmee, die über die  
en mit bewaffneter Hand erforderte als War-  
die alte Städte der Lombardie eine example  
der 1. April hatte der Kampf

Die Presse 1849-04-07

Random Object

Add ...

Download ...

## Data

Metadata for all newspaper issues available in the ONB Labs

	Description	Link
CSV title metadata	CSV file, one record per title	<a href="#">anno_labs_titles.csv.bz2</a>
CSV issue metadata	CSV file, one record per issue	<a href="#">anno_labs_issues.csv.bz2</a>
CSV page metadata	CSV file, one record per scanned page	<a href="#">anno_labs_ocr_pages.tsv.bz2</a>

## Tutorials

Download Jupyter Notebooks

	Description	Link
Explore metadata	Example code for working with the available metadata	<a href="#">anno-experiments</a>

Österreichische  
Nationalbibliothek

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## Use open standards and protocols

- IIIF
- OAI-PMH, SRU
- SPARQL
- ALTO-XML

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labs-team > webarchive-api > Details

W

**webarchive-api**  
Project ID: 4

☆ Star 0 Clone

MIT License 47 Commits 2 Branches 0 Tags 809 KB Files

master webarchive-api History Find file

Add README  
gabriele-h authored 3 months ago

README

Name	Last commit	Last update
.gitignore	update .gitignore	1 year ago
Innenminister2009-2019.ipynb	fragment checksumming samples	4 months ago
LICENSE	Add LICENSE	11 months ago
Nationalrat2015.ipynb	fragment checksumming samples	4 months ago
README.md	Add README	3 months ago
requirements.txt	added jupyter to requirements	1 year ago

Markdown Python 3 User Default

### Filter Mountains

Rows without an identified mountain have 'NaN' in the column 'mountain'

We can filter by those having NaN by using 'isnull':

```
In [8]: len(df)
Out[8]: 28882

In [4]: len(df[ df['mountain'].isnull() ])
Out[4]: 29271
```

and reverse the filter, so we get all rows where the 'mountain' entry is not NaN.

Note that '-' means a logical not.

Also note that the filter has to be inside parentheses.

```
In [5]: len(df[ ~(df['mountain'].isnull()) ])
Out[5]: 5575
```

And now let's save the result.

```
In [6]: mountains = df[ ~(df['mountain'].isnull()) ]
```

### Take a look at the data

```
In [7]: mountains.sample(10)
Out[7]:
```

Unnamed: 0	akon_id	id	altitude	building	city	color	comment	mountain	other	photographer	publisher	publisher_place	region	water_body	year	inventory_num
20559	20559	AK032_015	18729	NaN	San Martino di Castrozza	True	1914 gel	Dolomiten, Cimone della Pala	NaN	NaN	.	NaN	NaN	NaN	NaN	
9135	9135	AK041_588	24715	NaN	Heiligenblut	False	NaN	Groß-Glockner	NaN	NaN	Ledermann	Wien	NaN	NaN	1914.0	
1514	1514	AK118_077	65362	NaN	NaN	True	NaN	Schafberg	NaN	NaN	NaN	NaN	NaN	NaN	1906.0	

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## Interaction with users

- ONB Labs challenge
- Bring your project
- Web residency
- Symposium, talks etc.
- GitLab
- Project proposals



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## Participation in the community

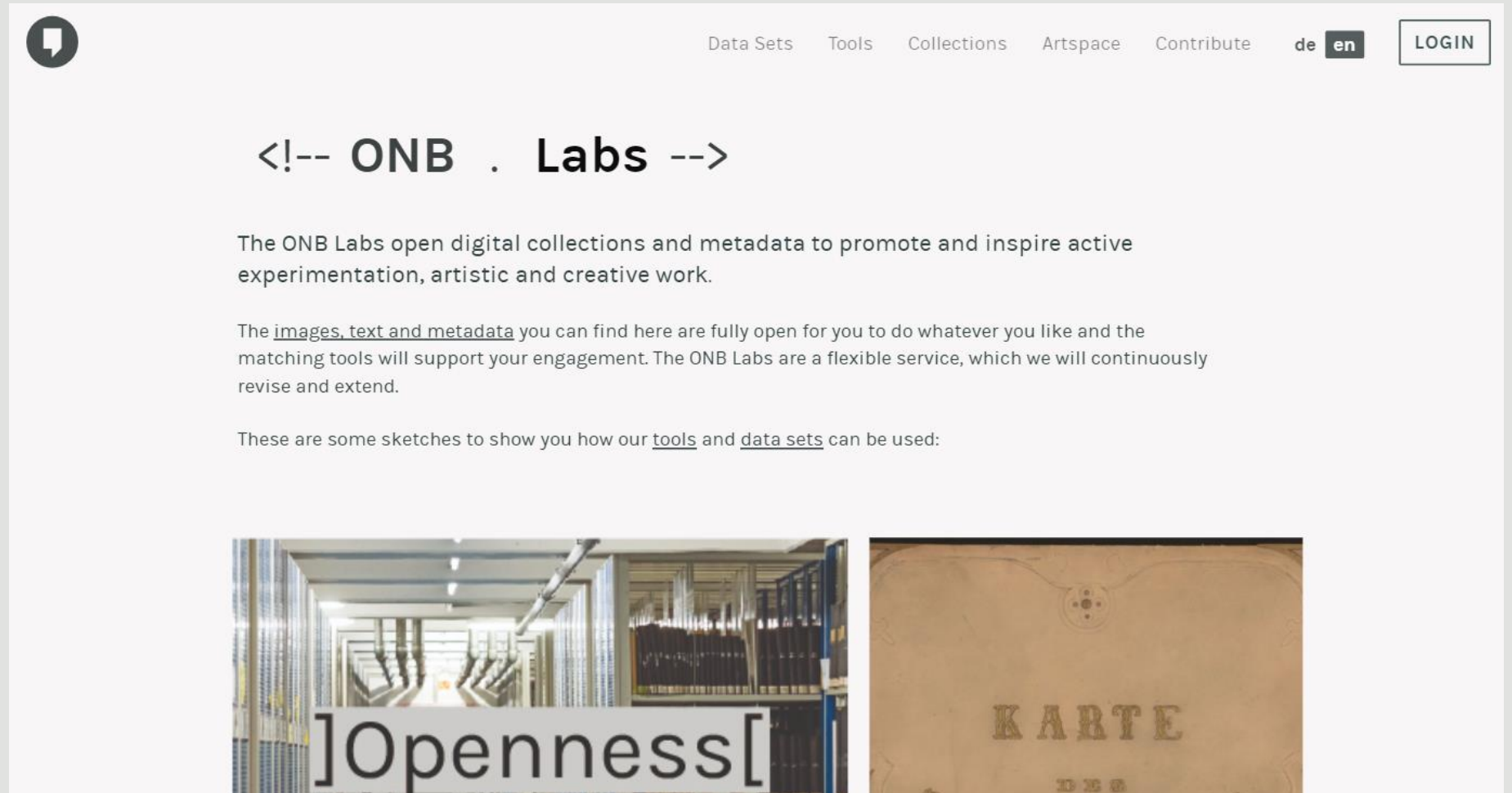
- Booksprint
- Conferences
- Meetings with GLAM institutions



## Problems

- Heterogenous data (incl. metadata, data storage, rights etc.)
- Unknown or restrictive rights
- Covid pandemic
- Technical limitations
- Changing staff

## Labs website



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## ONB Library Labs: a hub for openness in the "Vision 2035"

- Commitment to embrace Open Science principles (Open access, Open source, Open data, Open methods)
- Commitment to transparency (What? Why? How?)
- Commitment to outreach
- Commitment to agile mindset

## Labs as core infrastructure

- Foster open data policy in institution
- Make things broadly available
- Improve tools and data

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## Focus on users

- Understand more about target users
- Improve access for non-technical users
- Improve User Experience

## Design thinking and experimentation

- Interviews
- Design Sprint
- Mini-User-Testing
- Scale up for services inside and outside the Library

