WIKIMANIA
WIKIMANIA
WIKI MANIA
21
SUOMI
नेपाली
ગુજરાતી
PAKTAK
KRIOL
TSOM

Boosting GLAM Partnerships

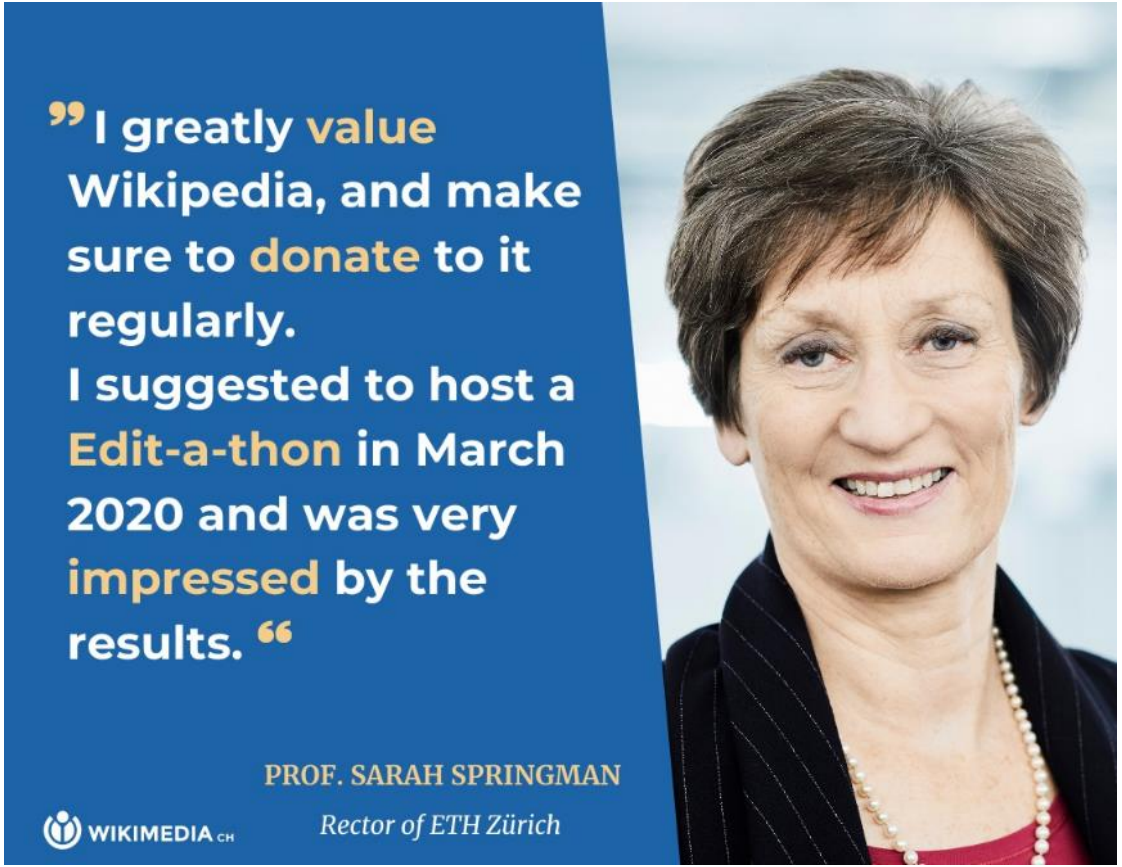
with Technology & Statistics

By Debora Lopomo & Ilario Valdelli
Wikimedia CH

WIKIMANIA

To shape the Future,

we need to explore the Past and understand the Present.

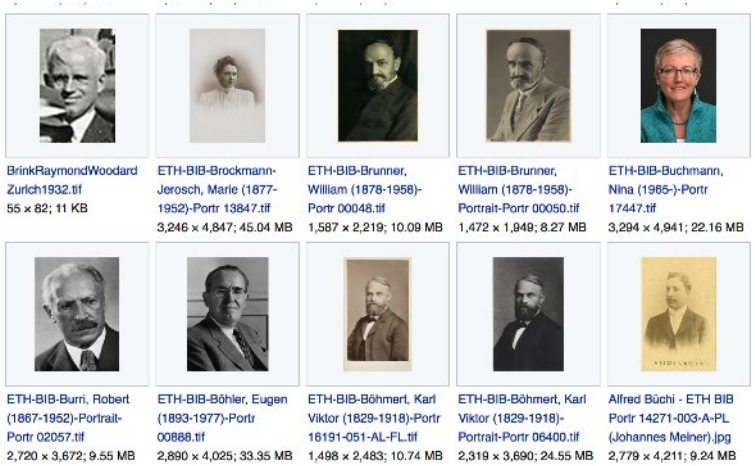


The ETH-Library is the largest public scientific and technical library in Switzerland and is a national center for scientific and technical information.

One of our most active GLAM partner and major contributor to our projects.

Over 58'000 images on Wikimedia Commons generating more than 166M views.
Video promoting an edit-a-thon

Wiki Project ETH-Portraits



Wiki Project ETH on Swiss Aerial Photograph Pionieers

The ETH-Library is part of our GLAM Wiki Partner Network.

Today, the ETH-Library launches its own Wikimedia projects such as the ETH-Portraits project and the Wiki project to enrich Wikipedia articles with photographs by the Swiss aerial pioneer Walter Mittelholzer and his successor Werner Friedli.
Blog report with Cassandra statistics

In 2021 the ETH-Library hosted the 7th Swiss Open Cultural Data Hackathon
Project page / After movie

Measuring the impact of Wikimedia projects is a key success factor to develop & strengthen GLAM partnerships in the world.

Just like any other organization or company, a memory institution must report and justify its engagement and resource allocation in Wikimedia projects. Therefore, statistics proving a major increase in visibility and traffic on their digitized holdings & collections as well as valorization and usage across boarders, languages and cultures are key.

The Cassandra Project

- Cassandra is a statistical tool to measure the impact of Wikimedia projects and to analyze and define activities to improve the impact.
- Cassandra supports GLAM institutions in monitoring media files uploaded in Wikimedia Commons.
- The project has been launched in 2015 in collaboration with our Swiss GLAM Partner Network.
- Members of this network meet quarterly to exchange experiences and needs regarding the Wikimedia environment and projects.

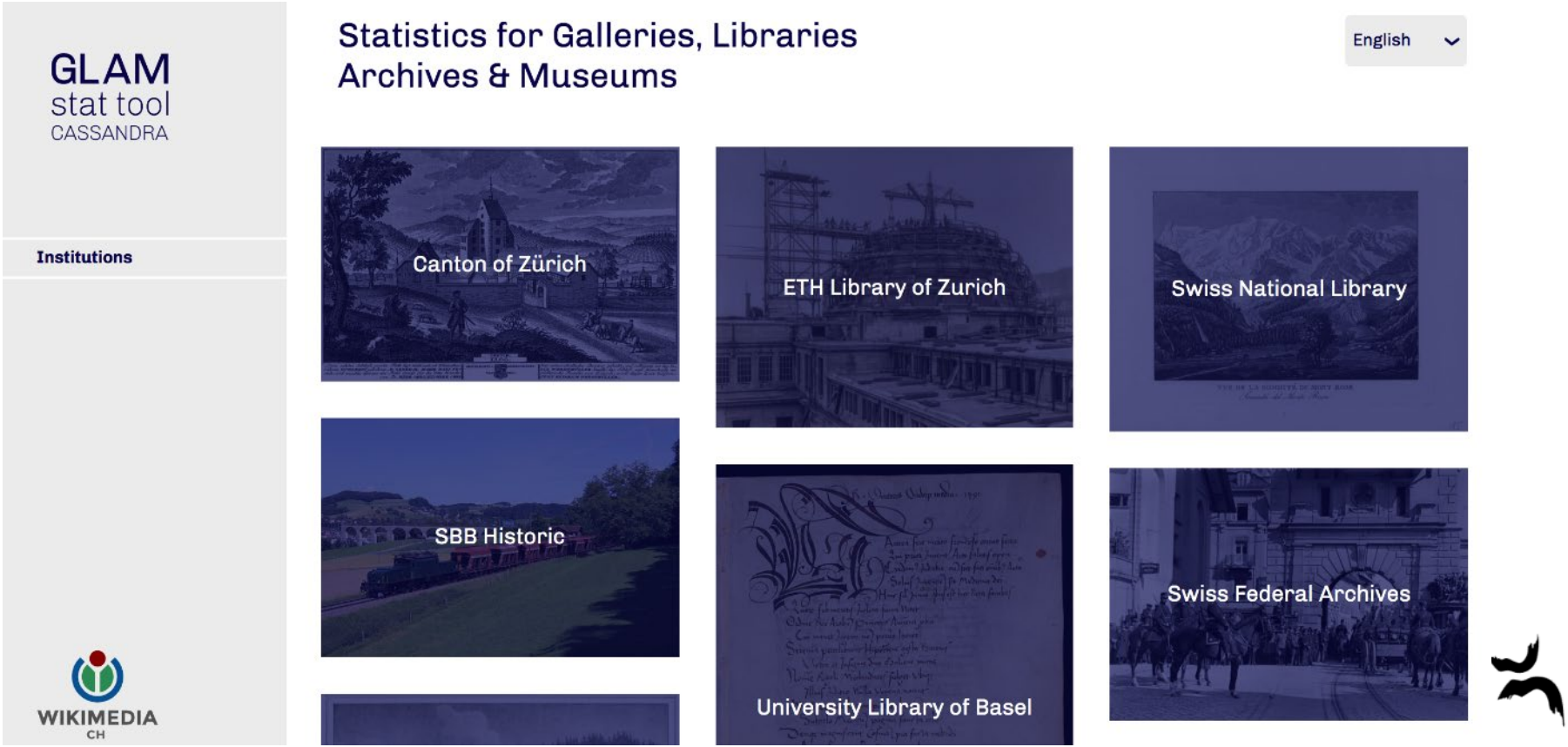
Project Timeline & Milestones

GLAM
stat tool
CASSANDRA

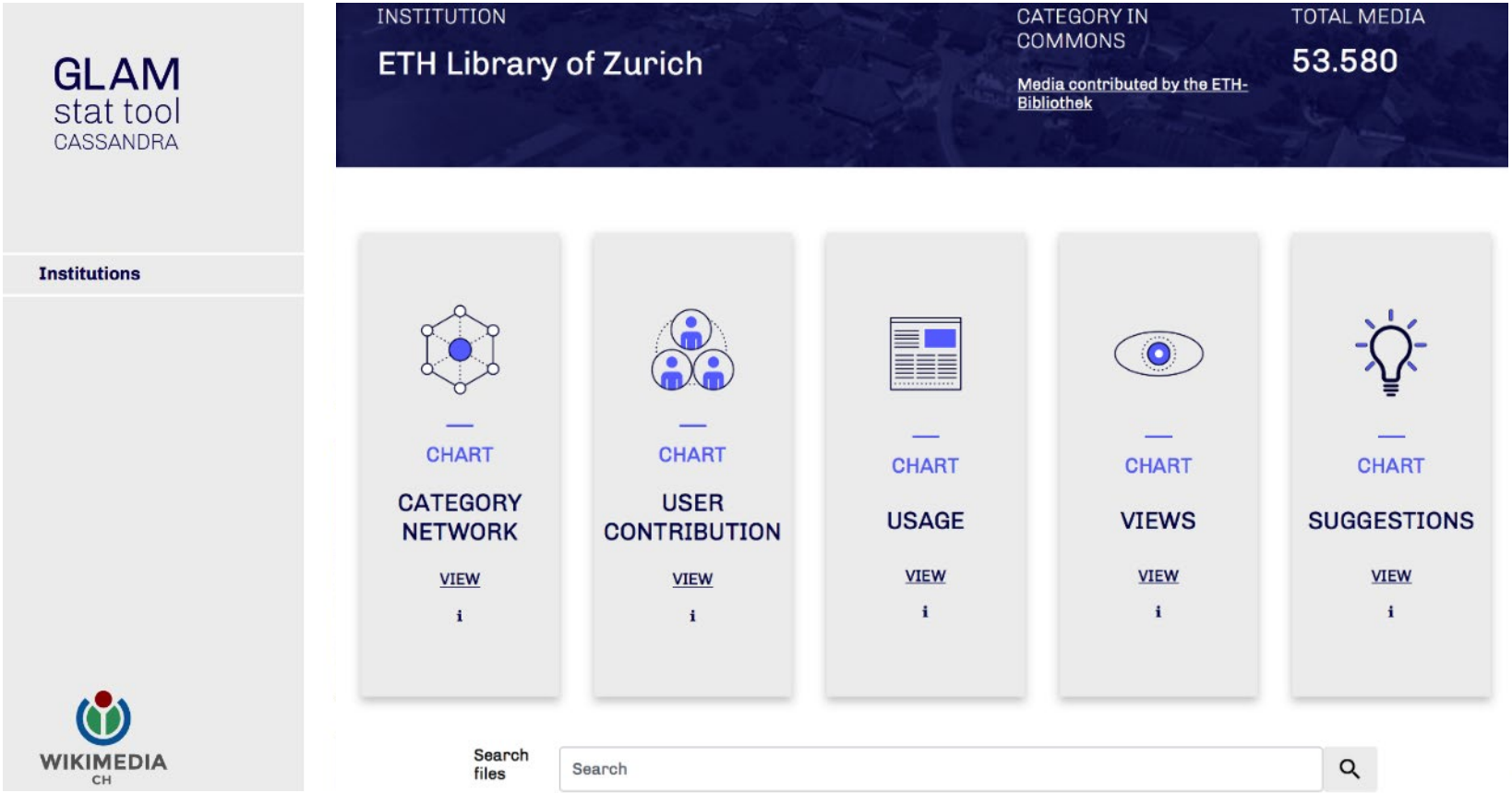
stats.wikimedia.swiss

WIKIMANIA

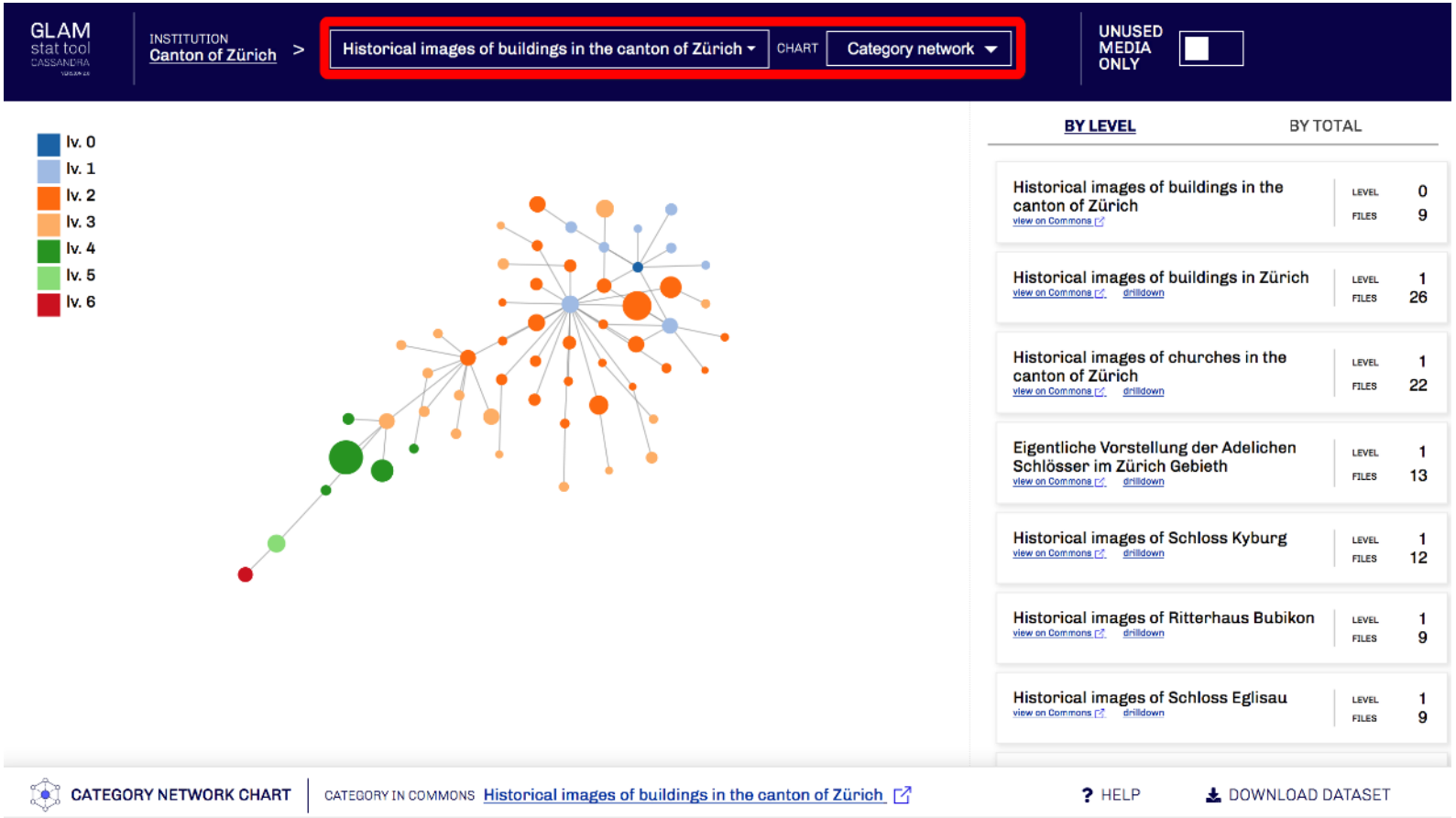
Landing Page



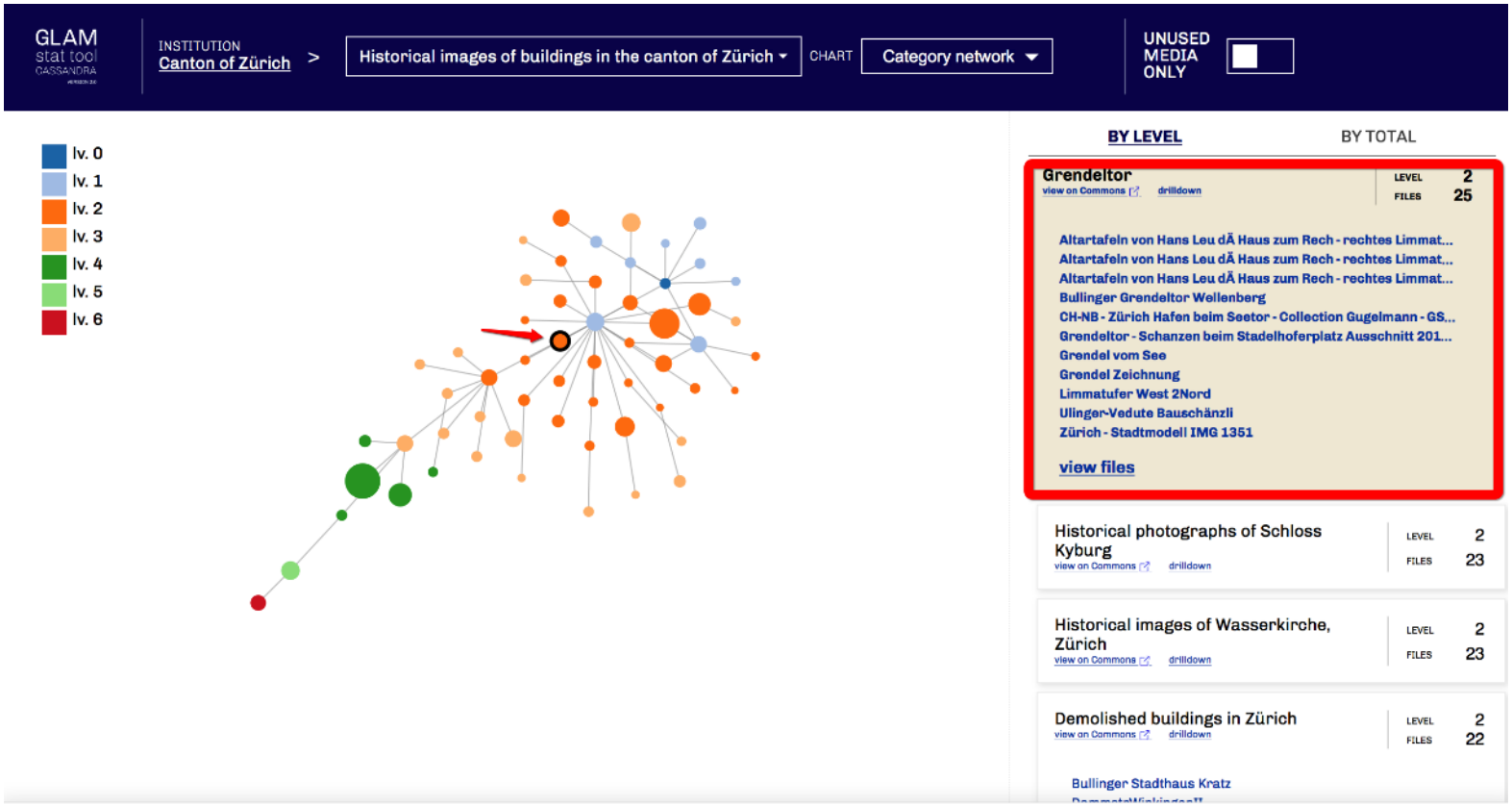
GLAM Partner View



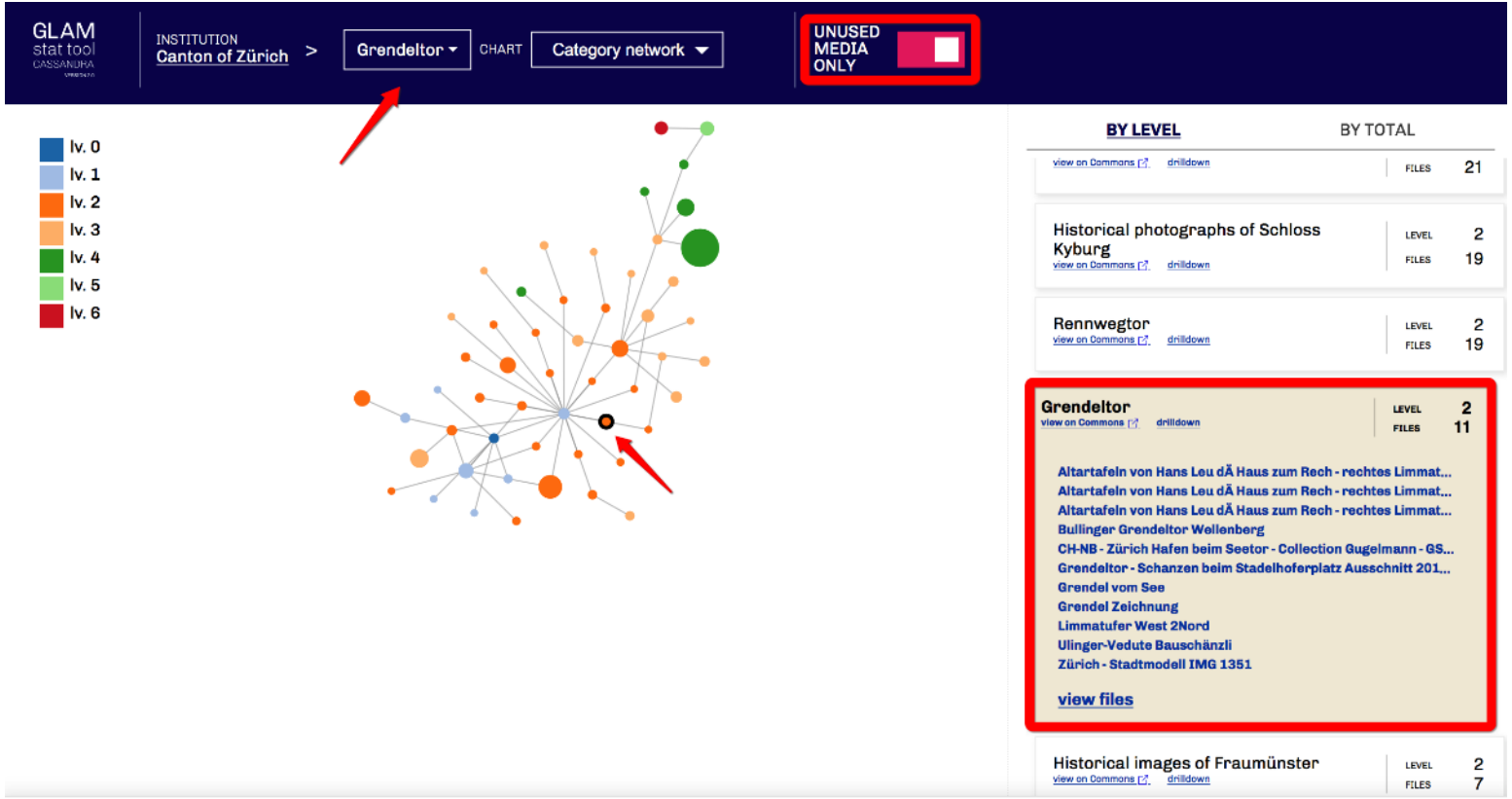
Category Network / 1



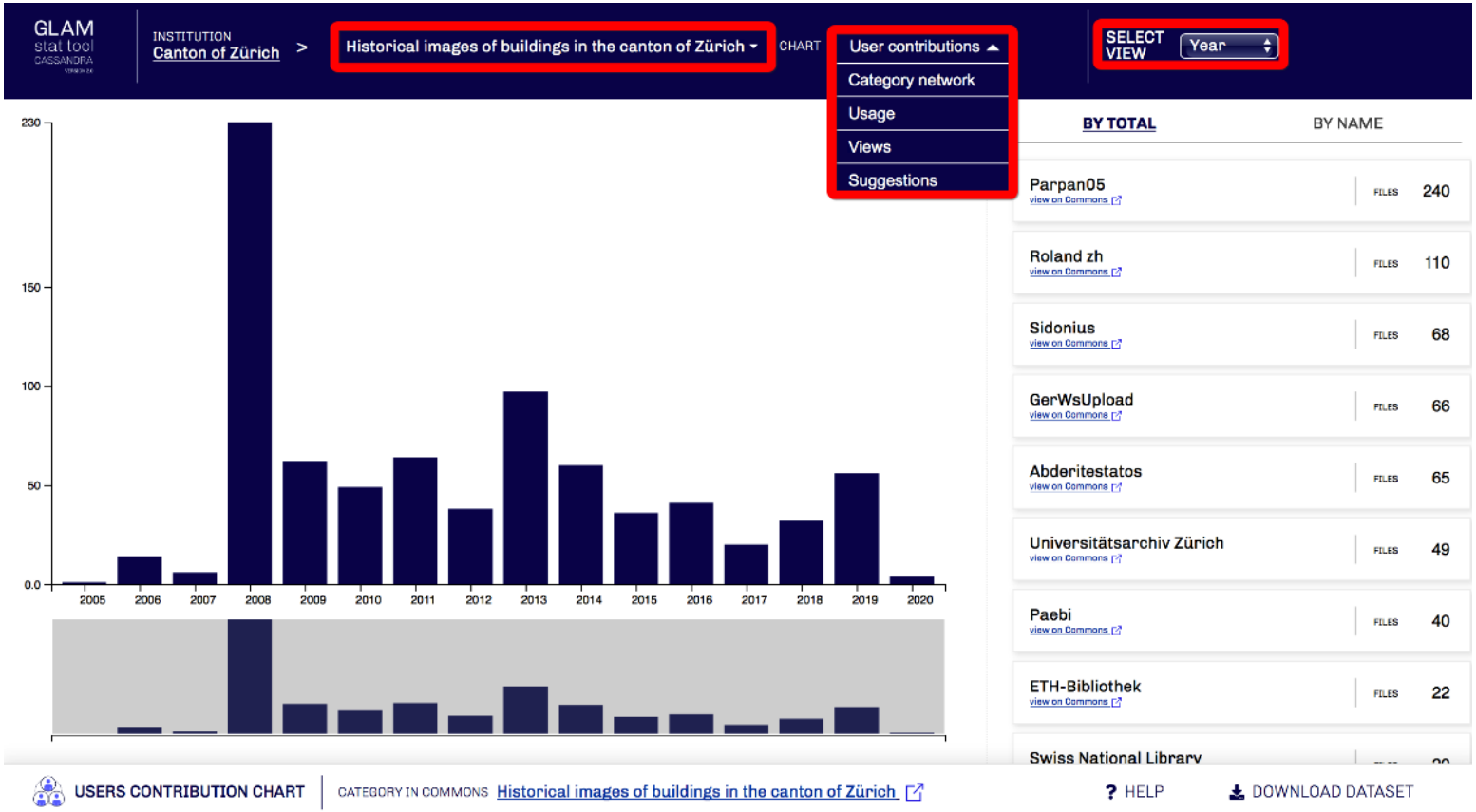
Category Network / 2



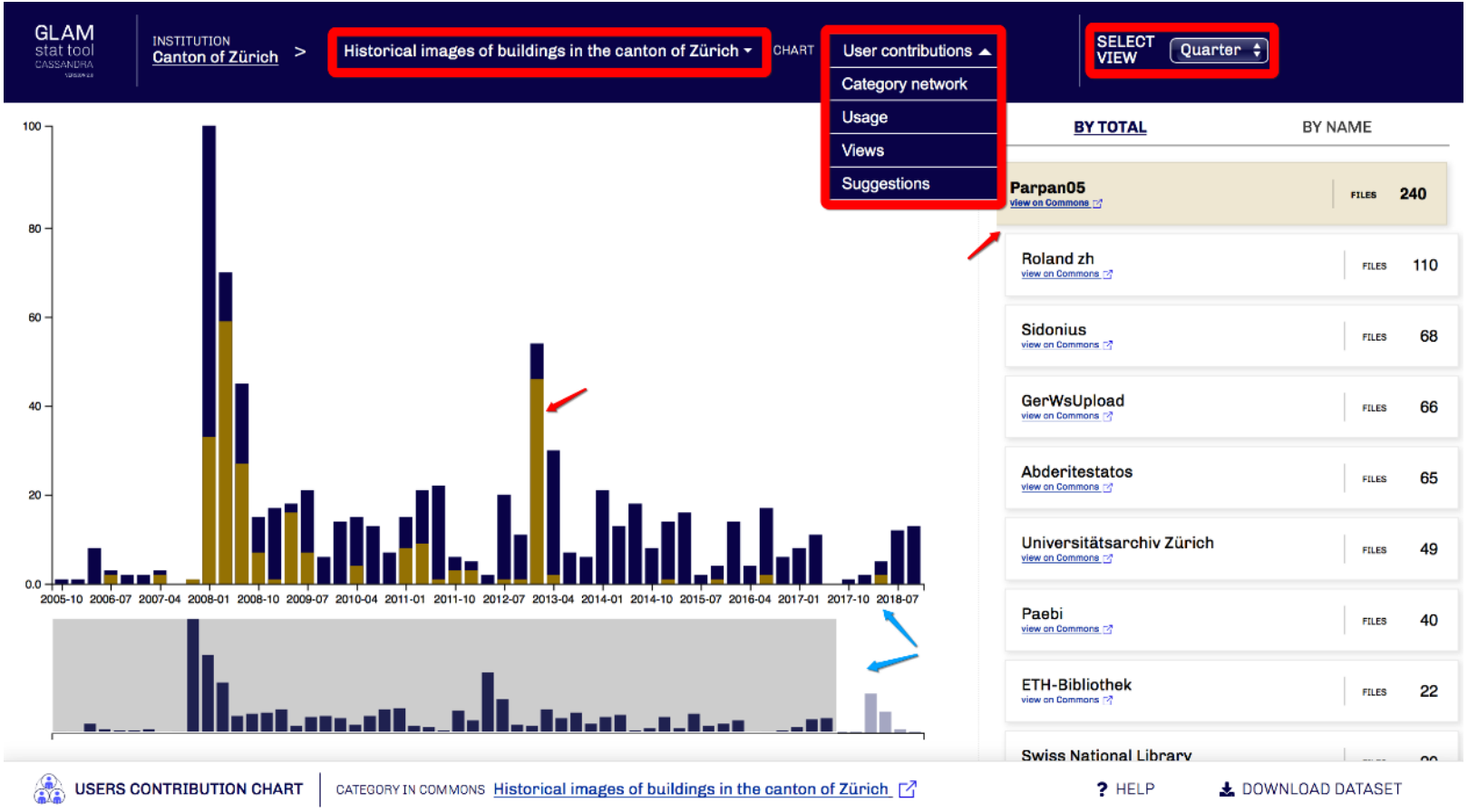
Category Network / 3



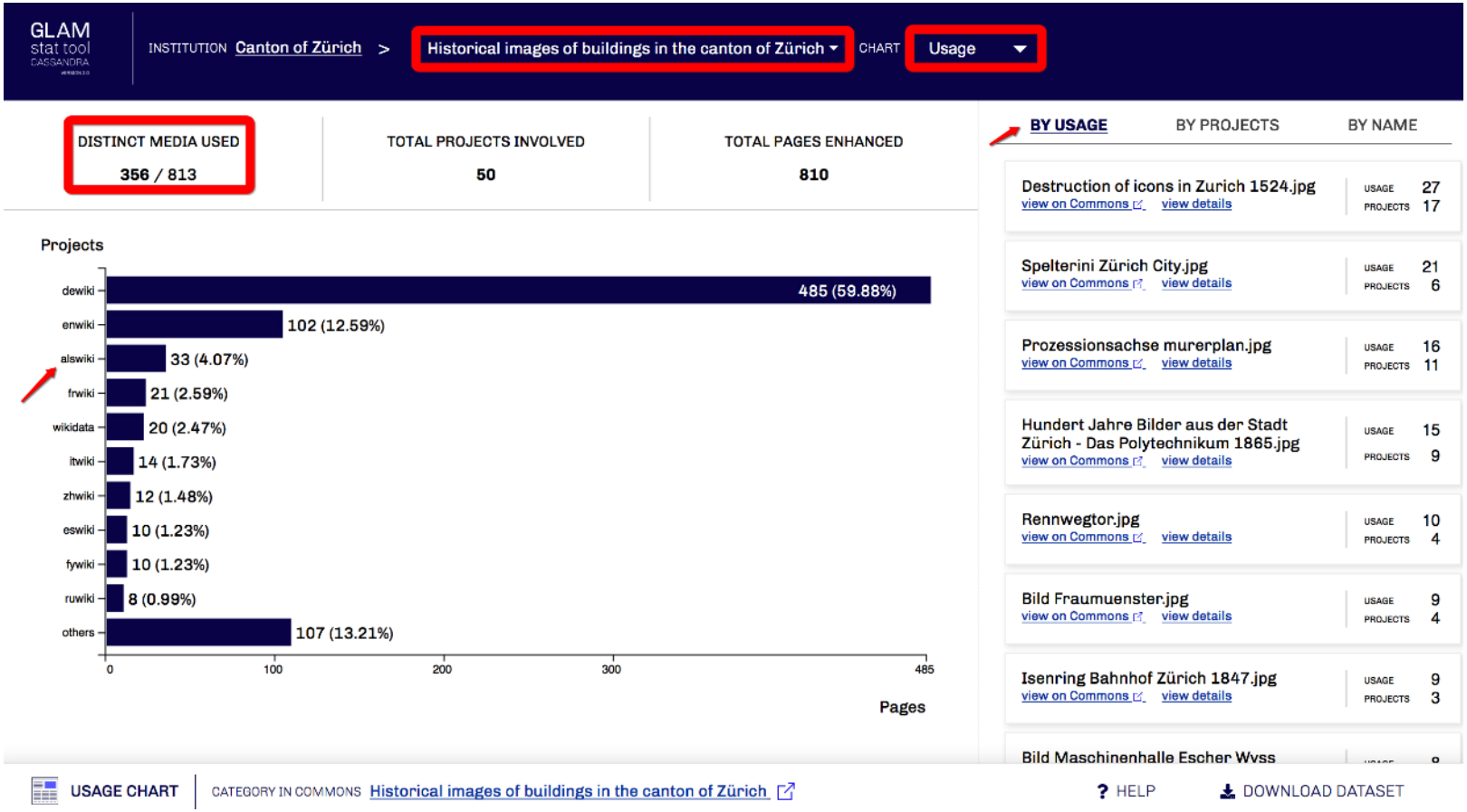
User Contribution / 1



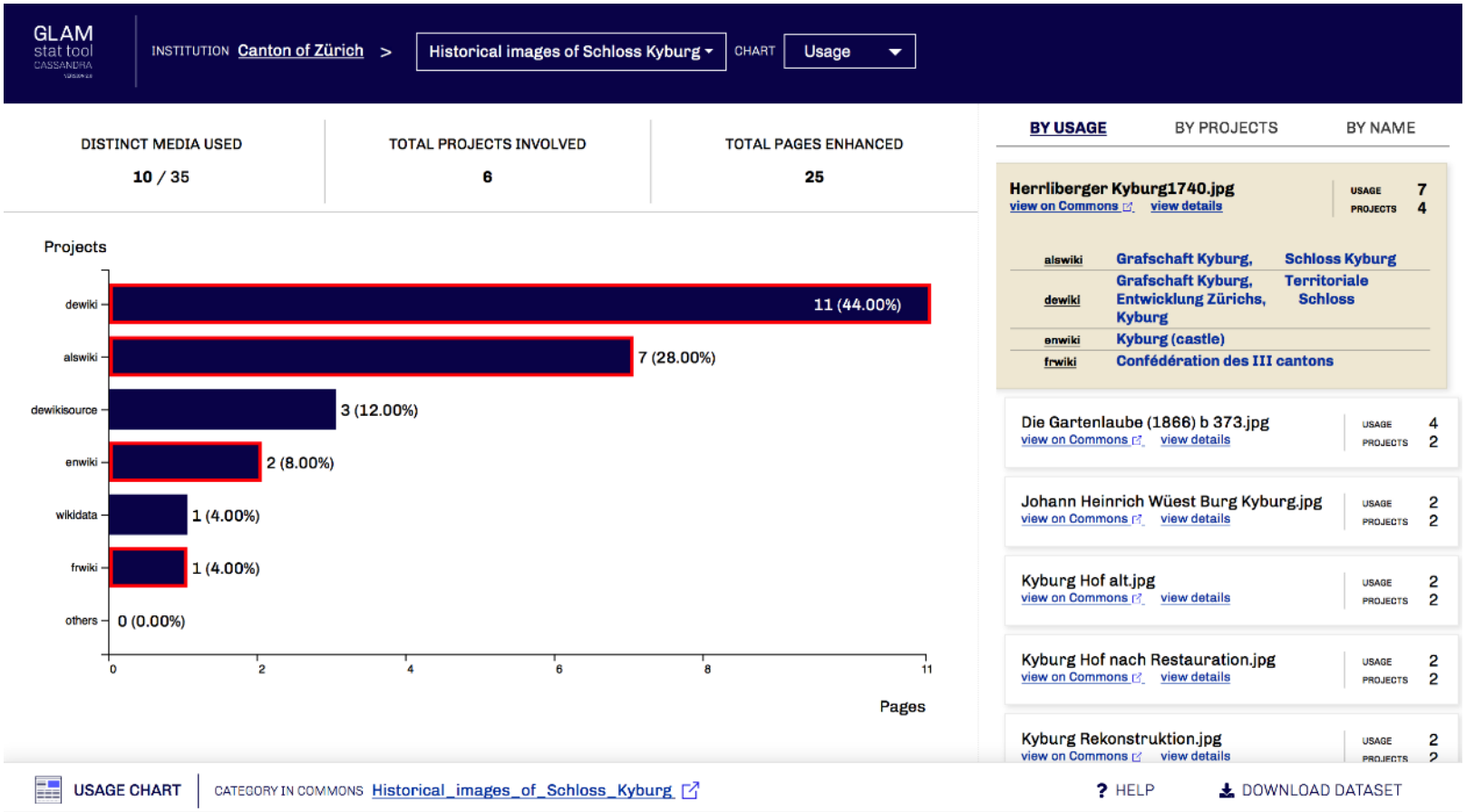
User Contribution / 2



Usage / 1


GLAM
stat tool
CASSANDRA
INSTITUTION Canton of Zürich >
Historical images of buildings in the canton of Zürich
CHART
Usage
DISTINCT MEDIA USED
356 / 813
TOTAL PROJECTS INVOLVED
50
TOTAL PAGES ENHANCED
810
Projects
dewiki
enwiki
alswiki
frwiki
wikidata
itwiki
zhwiki
eswiki
fywiki
ruwiki
others
485 (59.88%)
102 (12.59%)
33 (4.07%)
21 (2.59%)
20 (2.47%)
14 (1.73%)
12 (1.48%)
10 (1.23%)
10 (1.23%)
8 (0.99%)
107 (13.21%)
0
100
200
300
485
Pages
BY USAGE
BY PROJECTS
BY NAME
Destruction of icons in Zurich 1524.jpg
view on Commons
view details
USAGE 27
PROJECTS 17
Spelterini Zürich City.jpg
view on Commons
view details
USAGE 21
PROJECTS 6
Prozessionsachse murerplan.jpg
view on Commons
view details
USAGE 16
PROJECTS 11
Hundert Jahre Bilder aus der Stadt Zürich - Das Polytechnikum 1865.jpg
view on Commons
view details
USAGE 15
PROJECTS 9
Rennwegtor.jpg
view on Commons
view details
USAGE 10
PROJECTS 4
Bild Fraumuenster.jpg
view on Commons
view details
USAGE 9
PROJECTS 4
Isenring Bahnhof Zürich 1847.jpg
view on Commons
view details
USAGE 9
PROJECTS 3
Bild Maschinenhalle Escher Wyss
USAGE CHART
CATEGORY IN COMMONS Historical images of buildings in the canton of Zürich
HELP
DOWNLOAD DATASET

Usage / 2


GLAM
stat tool
CASSANDRA
INSTITUTION Canton of Zürich >
Historical images of Schloss Kyburg
CHART
Usage
DISTINCT MEDIA USED
10 / 35
TOTAL PROJECTS INVOLVED
6
TOTAL PAGES ENHANCED
25
Projects
dewiki
alswiki
dewikisource
enwiki
wikidata
frwiki
others
11 (44.00%)
7 (28.00%)
3 (12.00%)
2 (8.00%)
1 (4.00%)
1 (4.00%)
0 (0.00%)
0
2
4
6
8
11
Pages
BY USAGE
BY PROJECTS
BY NAME
Herrliberger Kyburg1740.jpg
view on Commons
view details
USAGE 7
PROJECTS 4
alswiki Grafschaft Kyburg, Schloss Kyburg
dewiki Grafschaft Kyburg, Entwicklung Zürichs, Kyburg, Territoriale Schloss
enwiki Kyburg (castle)
frwiki Confédération des III cantons
Die Gartenlaube (1866) b 373.jpg
view on Commons
view details
USAGE 4
PROJECTS 2
Johann Heinrich Wüest Burg Kyburg.jpg
view on Commons
view details
USAGE 2
PROJECTS 2
Kyburg Hof alt.jpg
view on Commons
view details
USAGE 2
PROJECTS 2
Kyburg Hof nach Restauration.jpg
view on Commons
view details
USAGE 2
PROJECTS 2
Kyburg Rekonstruktion.jpg
view on Commons
view details
USAGE 2
PROJECTS 2
USAGE CHART
CATEGORY IN COMMONS Historical_images_of_Schloss_Kyburg
? HELP
DOWNLOAD DATASET

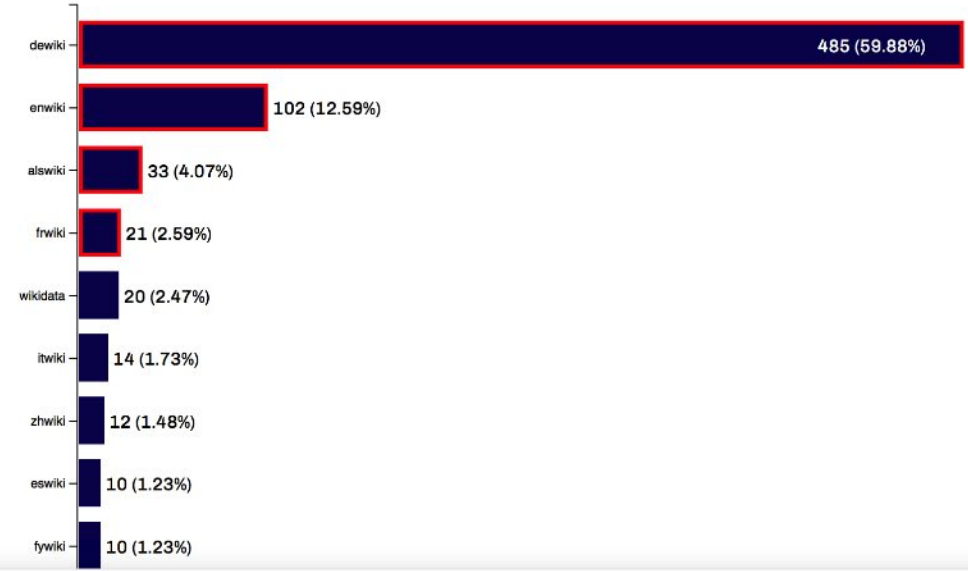
View Details / 1

GLAM stat tool DASSANCRA

INSTITUTION Canton of Zürich

USAGE

Projects



Herrliberger Kyburg1740.jpg

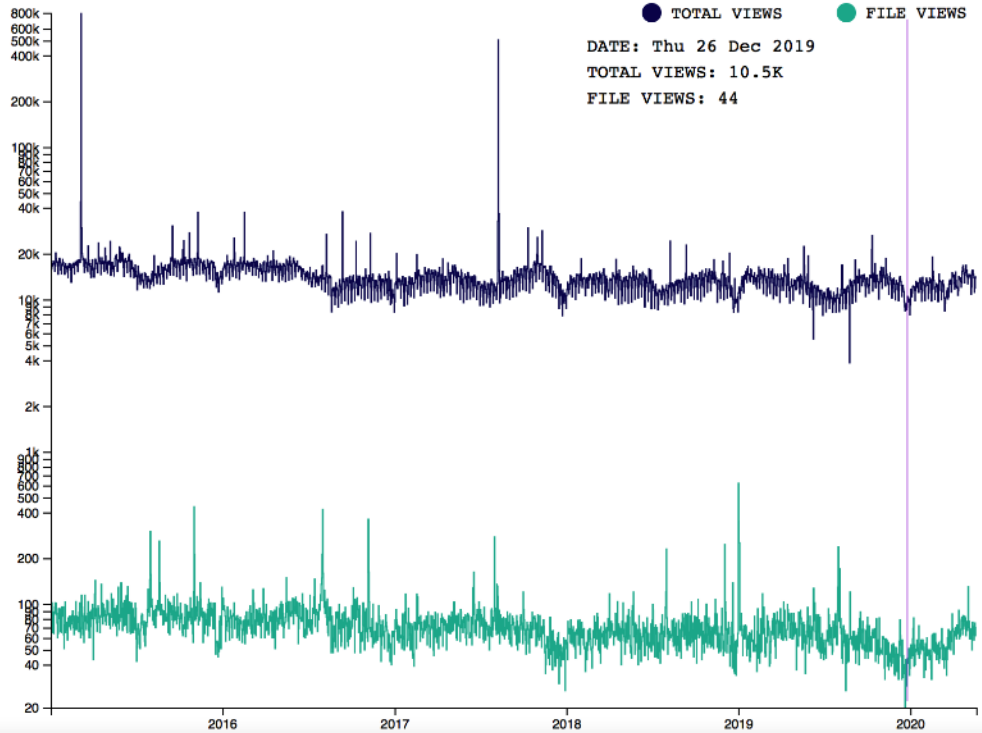
PART OF 2 CATEGORIES

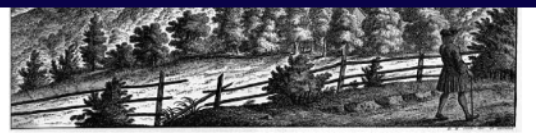
Historical images of Schloss Kyburg
Vorstellung Loblichen Standts Zürich Schlösser oder so genante Ausere Vogteyen

USED IN 7 PAGES OF 4 PROJECTS

FILE DETAILS | FILE Herrliberger Kyburg1740.jpg CATEGORY IN COMMONS Historical images of buildings in the canton of Zürich

View Details / 2





Herrliberger Kyburg1740.jpg

PART OF 2 CATEGORIES

Historical images of Schloss Kyburg
Vorstellung Loblichen Standts Zürich Schlösser oder so genante Ausere Vogteyen

USED IN 7 PAGES OF 4 PROJECTS

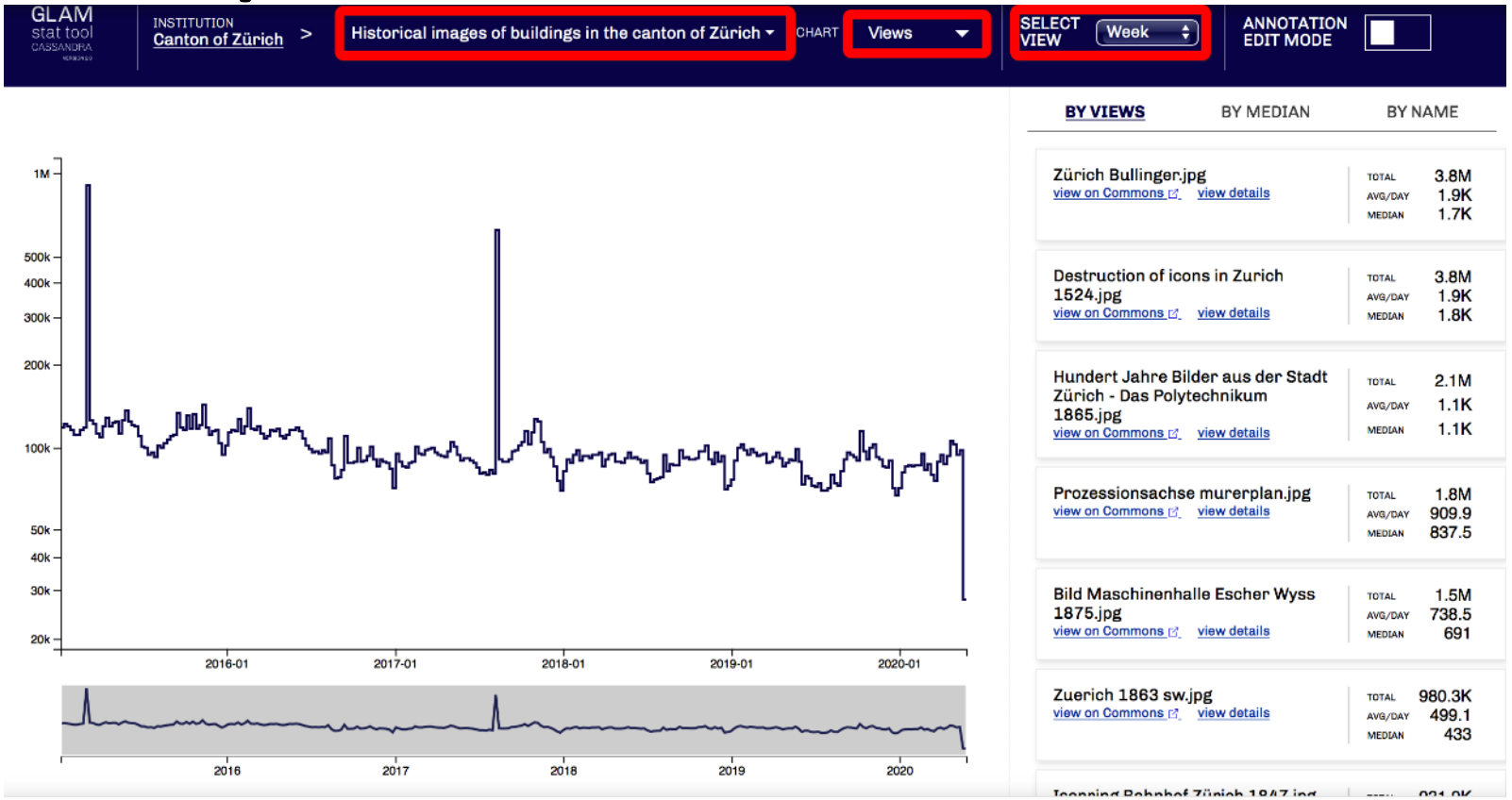
alswiki	Grafschaft Kyburg	Schloss Kyburg
dewiki	Grafschaft Kyburg	Schloss Kyburg
	Territoriale Entwicklung Zürichs	
enwiki	Kyburg (castle)	
frwiki	Confédération des III cantons	

VIEWS STATS

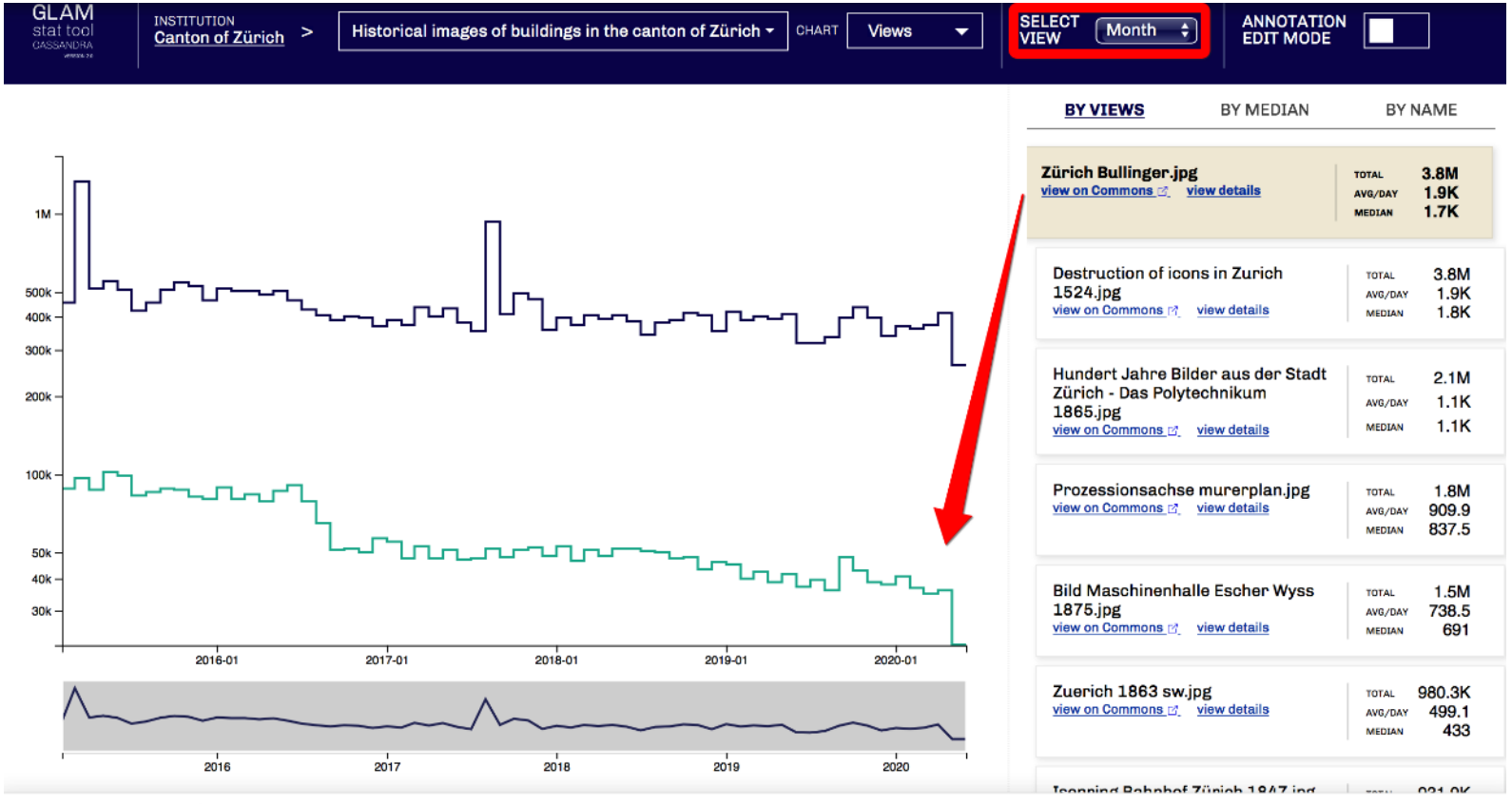
TOTAL VIEWS	142K
DAILY AVERAGE	72.2
DAILY MEDIAN	69

FILE DETAILS | FILE Herrliberger Kyburg1740.jpg CATEGORY IN COMMONS Historical images of buildings in the canton of Zürich

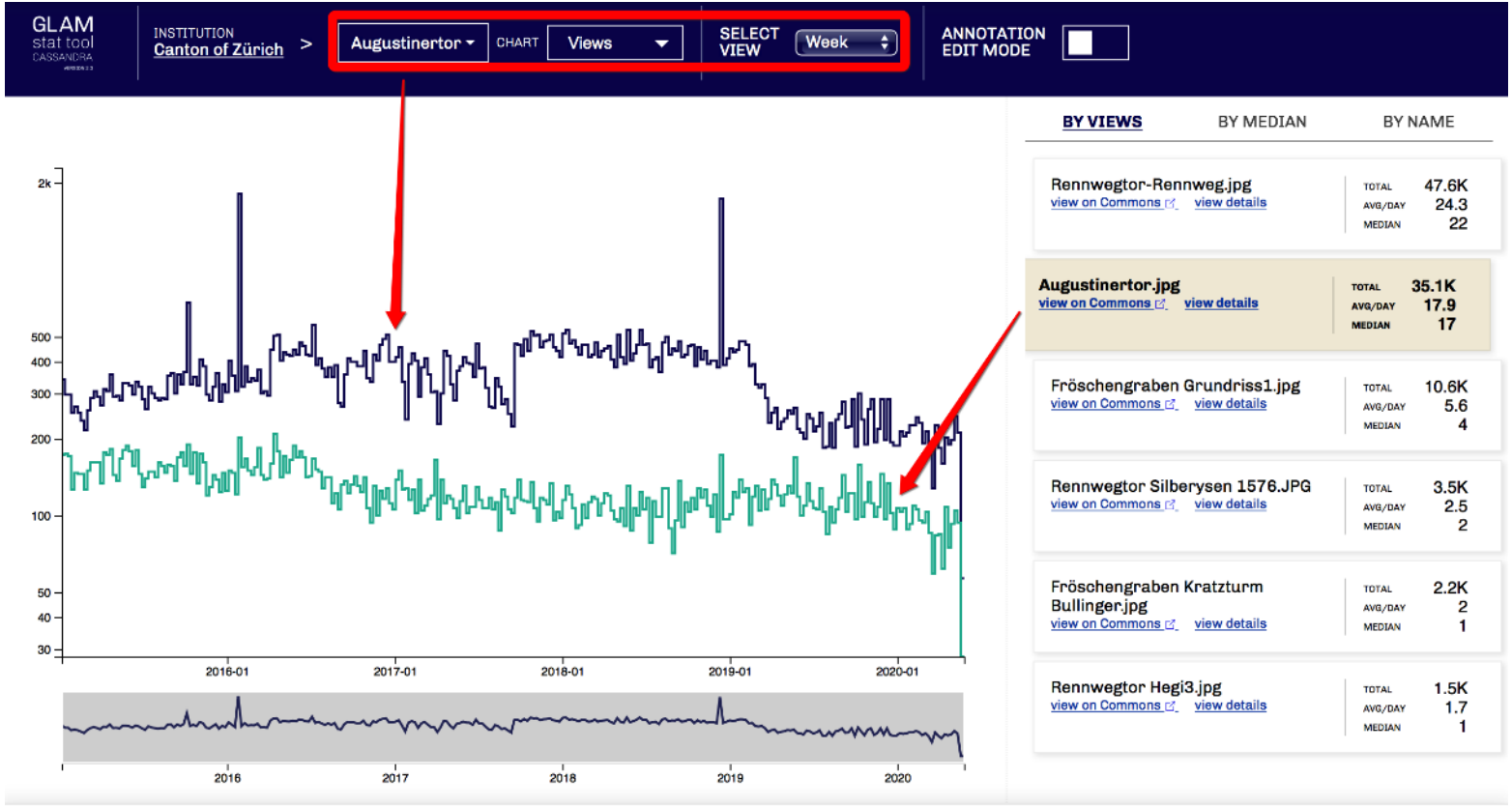
Views / 1


GLAM
stat tool
CASSANDRA
INSTITUTION
Canton of Zürich
>
Historical images of buildings in the canton of Zürich
CHART
Views
SELECT VIEW
Week
ANNOTATION EDIT MODE
BY VIEWS
BY MEDIAN
BY NAME
1M
500k
400k
300k
200k
100k
50k
40k
30k
20k
2016-01
2017-01
2018-01
2019-01
2020-01
2016
2017
2018
2019
2020
Zürich Bullinger.jpg
view on Commons
view details
TOTAL 3.8M
AVG/DAY 1.9K
MEDIAN 1.7K
Destruction of icons in Zurich 1524.jpg
view on Commons
view details
TOTAL 3.8M
AVG/DAY 1.9K
MEDIAN 1.8K
Hundert Jahre Bilder aus der Stadt Zürich - Das Polytechnikum 1865.jpg
view on Commons
view details
TOTAL 2.1M
AVG/DAY 1.1K
MEDIAN 1.1K
Prozessionsachse murerplan.jpg
view on Commons
view details
TOTAL 1.8M
AVG/DAY 909.9
MEDIAN 837.5
Bild Maschinenhalle Escher Wyss 1875.jpg
view on Commons
view details
TOTAL 1.5M
AVG/DAY 738.5
MEDIAN 691
Zuerich 1863 sw.jpg
view on Commons
view details
TOTAL 980.3K
AVG/DAY 499.1
MEDIAN 433
VIEWS CHART
CATEGORY IN COMMONS Historical images of buildings in the canton of Zürich
? HELP
DOWNLOAD DATASET

Views / 2


GLAM
stat tool
CASSANDRA
INSTITUTION
Canton of Zürich
>
Historical images of buildings in the canton of Zürich
CHART
Views
SELECT VIEW
Month
ANNOTATION EDIT MODE
1M
500k
400k
300k
200k
100k
50k
40k
30k
2016-01
2017-01
2018-01
2019-01
2020-01
2016
2017
2018
2019
2020
BY VIEWS
BY MEDIAN
BY NAME
Zürich Bullinger.jpg
view on Commons
view details
TOTAL 3.8M
AVG/DAY 1.9K
MEDIAN 1.7K
Destruction of icons in Zurich 1524.jpg
view on Commons
view details
TOTAL 3.8M
AVG/DAY 1.9K
MEDIAN 1.8K
Hundert Jahre Bilder aus der Stadt Zürich - Das Polytechnikum 1865.jpg
view on Commons
view details
TOTAL 2.1M
AVG/DAY 1.1K
MEDIAN 1.1K
Prozessionsachse murerplan.jpg
view on Commons
view details
TOTAL 1.8M
AVG/DAY 909.9
MEDIAN 837.5
Bild Maschinenhalle Escher Wyss 1875.jpg
view on Commons
view details
TOTAL 1.5M
AVG/DAY 738.5
MEDIAN 691
Zuerich 1863 sw.jpg
view on Commons
view details
TOTAL 980.3K
AVG/DAY 499.1
MEDIAN 433
VIEWS CHART
CATEGORY IN COMMONS
Historical images of buildings in the canton of Zürich
HELP
DOWNLOAD DATASET

Views / 3


GLAM
stat tool
CASSANDRA
INSTITUTION
Canton of Zürich
>
Augustinertor
CHART
Views
SELECT VIEW
Week
ANNOTATION EDIT MODE
BY VIEWS
BY MEDIAN
BY NAME
Rennwegtor-Rennweg.jpg
view on Commons
view details
TOTAL 47.6K
AVG/DAY 24.3
MEDIAN 22
Augustinertor.jpg
view on Commons
view details
TOTAL 35.1K
AVG/DAY 17.9
MEDIAN 17
Fröschengraben Grundriss1.jpg
view on Commons
view details
TOTAL 10.6K
AVG/DAY 5.6
MEDIAN 4
Rennwegtor Silberysen 1576.JPG
view on Commons
view details
TOTAL 3.5K
AVG/DAY 2.5
MEDIAN 2
Fröschengraben Kratzturm Bullinger.jpg
view on Commons
view details
TOTAL 2.2K
AVG/DAY 2
MEDIAN 1
Rennwegtor Hegi3.jpg
view on Commons
view details
TOTAL 1.5K
AVG/DAY 1.7
MEDIAN 1
2k
500
400
300
200
100
50
40
30
2016-01
2017-01
2018-01
2019-01
2020-01
2016
2017
2018
2019
2020
VIEWS CHART
CATEGORY IN COMMONS Augustinertor
? HELP
DOWNLOAD DATASET

Suggestions / 1

GLAM stat tool CASSANDRA

INSTITUTION Canton of Zürich > Historical images of buildings in the canton of Zürich CHART Suggestions

File: Altartafeln von Hans Leu d.Ä. (Haus zum Rech) - rechtes Limmatufer - Wasserkirche & Münsterbrücke mit Mühlen 2011-08-17 15-27-40.jpg

Wikidata suggestion
Grendeltor

Wikipedia pages
de : Grendeltor

File: Altartafeln von Hans Leu d.Ä. (Haus zum Rech) - rechtes Limmatufer - Grendeltor 2011-08-17 15-27-28.jpg

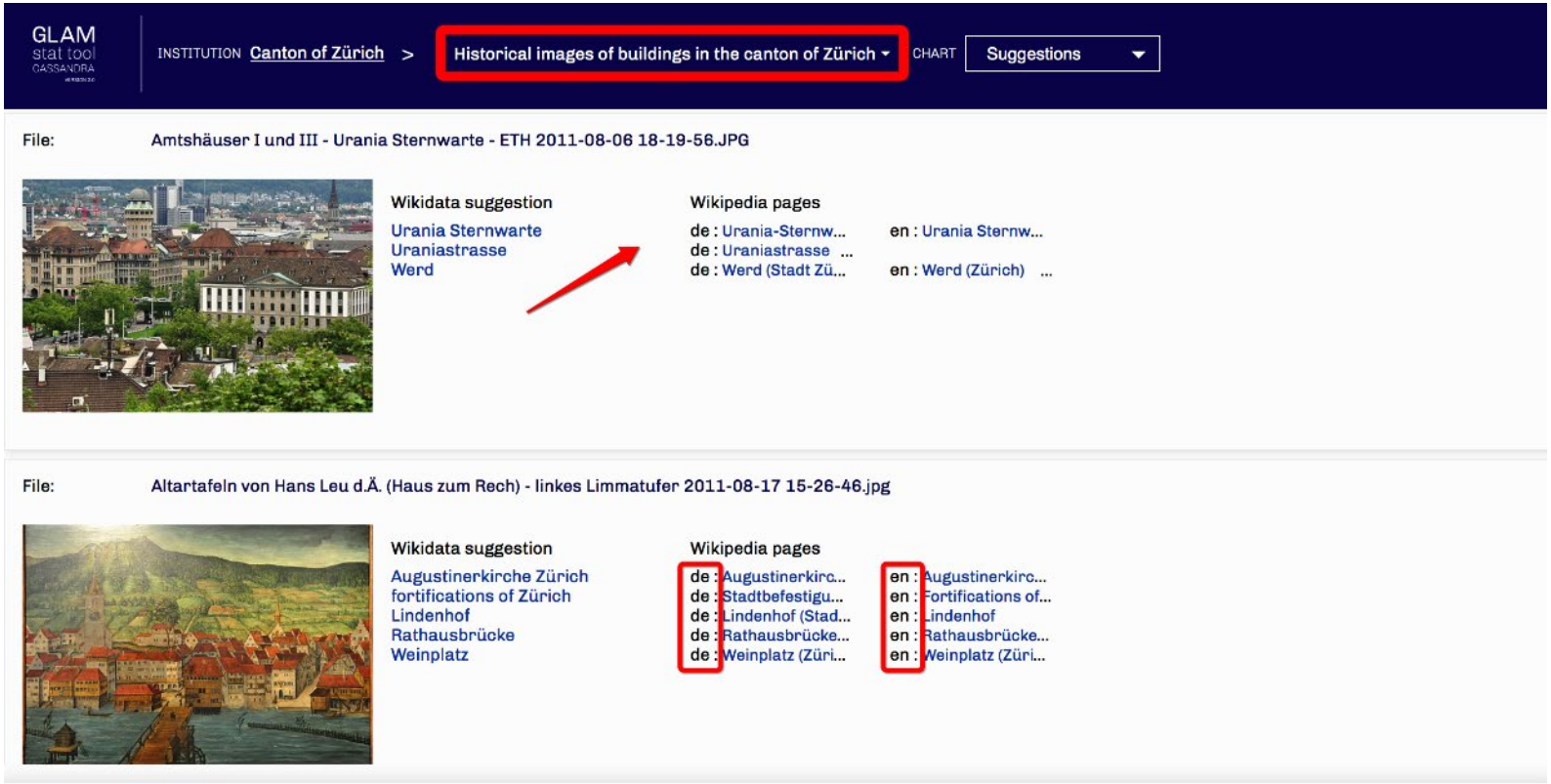
Wikidata suggestion
Grendeltor

Wikipedia pages
de : Grendeltor

UNUSED FILES SUGGESTIONS | CATEGORY IN COMMONS Historical images of buildings in the canton of Zürich

? HELP

Suggestions / 2



Suggestions / 3

GLAM stat tool CASSANDRA

INSTITUTION Canton of Zürich > Augustinertor CHART Suggestions

Wikidata suggestion

Fröschengraben
Franz Hegi

Wikipedia pages

de : Fröschengrabe...
de : Franz Hegi
en : Franz Hegi
fr : Franz Hegi

File: Fröschengraben Kratzturm Bullinger.jpg

Wikidata suggestion

Friedrich Bullinger
Kratzturm
Bullinger
Johann Balthasar Bullinger
Fröschengraben

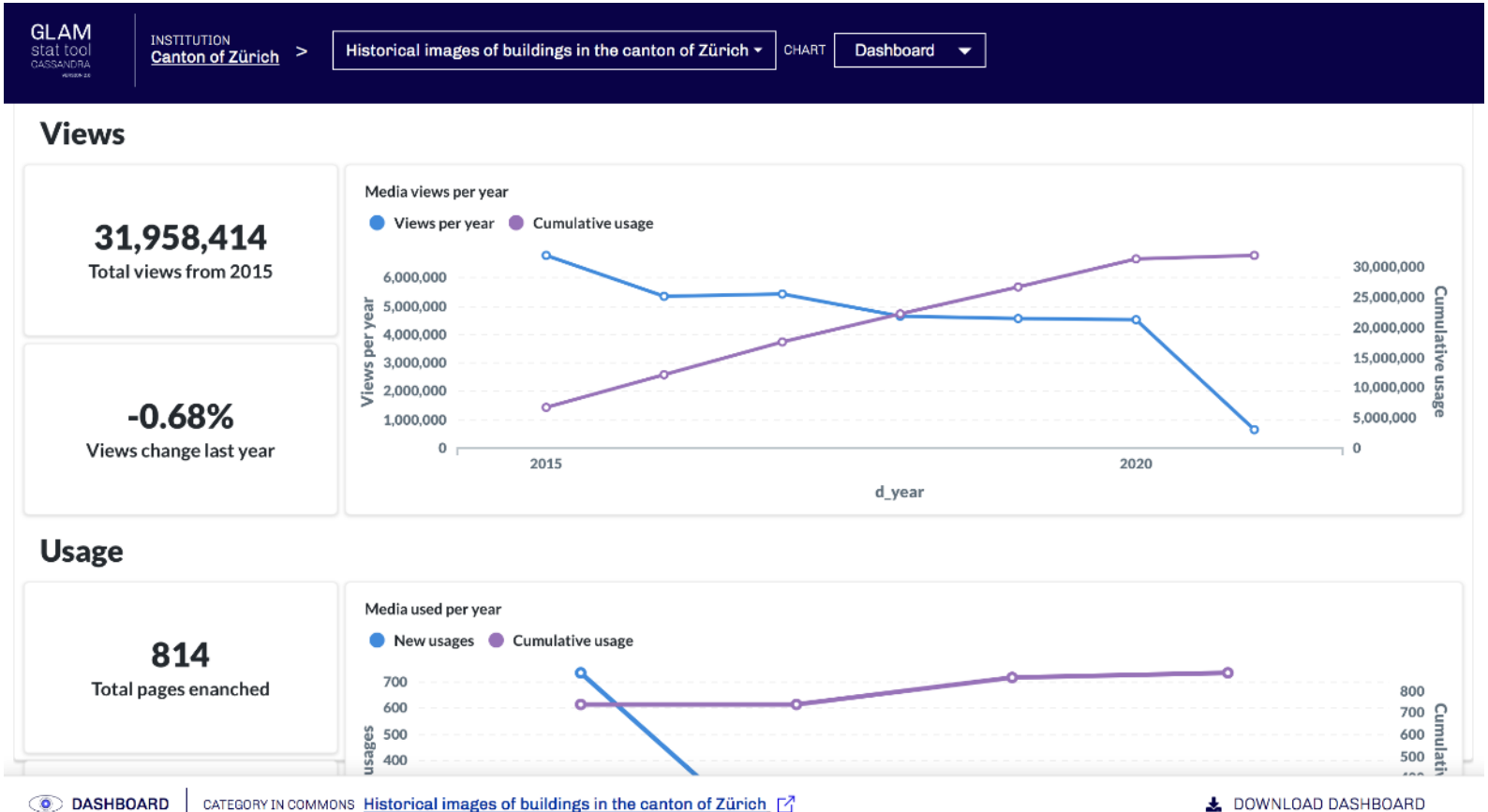
Wikipedia pages

de : Friedrich Bullin...
de : Kratzturm
en : Bullinger (surn...
de : Johann Balthas...
en : Johann Balthas...
fr : Johann Balthas...
de : Fröschengrabe...

UNUSED FILES SUGGESTIONS | CATEGORY IN COMMONS Augustinertor

? HELP

Dashboard / 1


GLAM
stat tool
CASSANDRA
INSTITUTION
Canton of Zürich
>
Historical images of buildings in the canton of Zürich
CHART
Dashboard
Views
31,958,414
Total views from 2015
-0.68%
Views change last year
Media views per year
Views per year
Cumulative usage
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
Views per year
30,000,000
25,000,000
20,000,000
15,000,000
10,000,000
5,000,000
0
Cumulative usage
2015
2020
d_year
Usage
814
Total pages enanched
Media used per year
New usages
Cumulative usage
700
600
500
400
800
700
600
500
DASHBOARD
CATEGORY IN COMMONS
Historical images of buildings in the canton of Zürich
DOWNLOAD DASHBOARD

Dashboard / 2

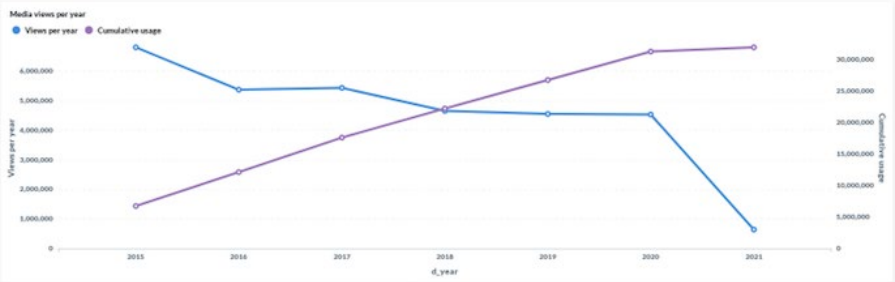
GLAM
stat tool
CASSANDRA
VERSION 2.0

WIKIMANIA

Views

31,958,414
Total views from 2015

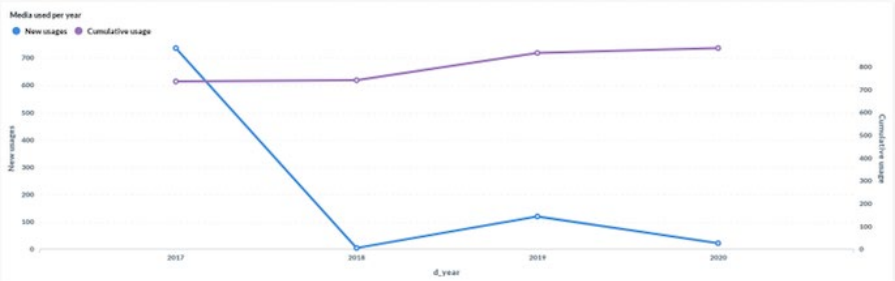
-0.68%
Views change last year



Usage

814
Total pages enanched

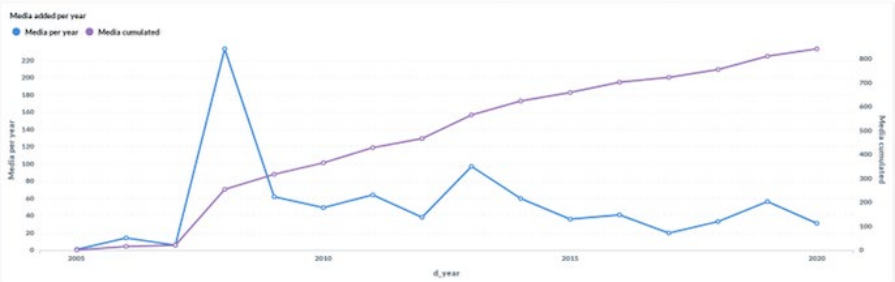
45.42%
Media used



Upload

841
Total media uploaded

+3.33%
Uploaded last year increment



Control Panel / 1

GLAM
stat tool
CASSANDRA
VERSION 2.0

Institutions

Wikimedia CH

SUPSI
Laboratory of
visual culture

Synapta

GitHub
repository

CONTROL PANEL

Admin Control Panel

List of Glams available in the system

All (15) | Running (15) | Pending (0) | Paused (0) | Failed (0)

ADD NEW GLAM

RUNNING
Fonoteca nazionale svizzera (FNS)
CAT: *Fonoteca nazionale svizzera*
LAST RUN: Oct 23rd 19

RUNNING
Georg Fischer Archives / Iron Library (GFA)
CAT: *Georg Fischer Archiv*
LAST RUN: Oct 23rd 19

RUNNING
Muséum d'histoire naturelle de Neuchâtel (MHN)
CAT: *Media contributed by Muséum d'histoire naturelle de Neuchâtel*
LAST RUN: Oct 23rd 19

RUNNING
Archives cantonales vaudoises (ACV)
CAT: *Media contributed by the Archives cantonales vaudoises*
LAST RUN: Oct 23rd 19

Control Panel / 2

GLAM
stat tool
CASSANDRA
VERSION 2.0

Institutions

Wikimedia CH

SUPSI
Laboratory of
visual culture

Synapta

GitHub
repository

CONTROL PANEL

RUNNING
University Library of Basel (BUL)
CAT: *Media contributed by the Basel University Library*
LAST RUN: Oct 23rd 19

RUNNING
SBB Historic (SBB)
CAT: *SBB Historic*
LAST RUN: Oct 23rd 19

RUNNING
Swiss National Library (SNL)
CAT: *Media contributed by the Swiss National Library*
LAST RUN: Oct 23rd 19

RUNNING Edit Pause
Canton of Zürich (ZB)
CAT: *Historical images of buildings in the canton of Zürich*
LAST RUN: Oct 23rd 19

RUNNING
ETH Library of Zurich (ETH)
CAT: *Media contributed by the ETH-Bibliothek*
LAST RUN: Oct 23rd 19

Cassandra today, goes beyond being a simple statistical application

Cassandra offers the opportunity to improve the impact of Wikimedia projects by gaining insights on unused media and follow suggestions for illustrating Wikipedia articles with unused media files and thus contribute to the valorization of collections throughout the world.

Developing GLAM projects using Cassandra

- Open access and data for all participating GLAM institutions
- Support in overcoming fear and obstacles in moving towards open culture strategy
- Access to Cassandra and the Wikimedia project impact on views and valorization as a key argument
- Generating project to improve the impact and quality of cultural knowledge by analyzing and improving the category structure on Commons and illustrating Wikipedia articles with unused media

Developing GLAM projects using Cassandra – technical aspects

- Cassandra offers a stable solution without limitations or discontinuity of the service.
- The architecture has been planned to be as much as possible flexible, reliable and safe.
- This solution offers a professional solution to GLAM.

The Global Cassandra Project

A global Cassandra project to share our knowledge, contribute to the success of other Wikimedia Chapters in the Movement and join forces to motivate GLAM institutions in the world towards Open Culture.

WIKIMANIA

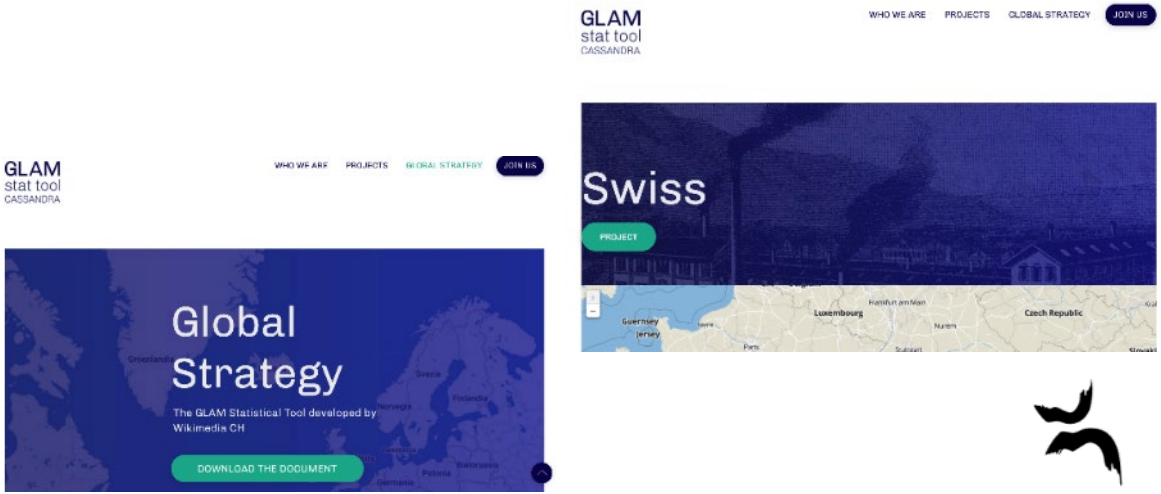
We believes that a global project can only be successful if…

…it strives towards consistency, scalability, collaboration, efficiency and local independency while at the same time offering high quality and service.
In time, once many Chapters and countries have become part of it, we might move forward together in improving and developing this project by applying a participative and inclusive approach.

One Global Entry Point

A web-based global entry point for all participating Chapters and countries.

A geographical map will visualize the Chapters adopting Cassandra and link to its local, personalized and independent Cassandra version.



Standard URL Concept

By implementing a Standard URL Concept for all participating Chapters and countries we make this project to be consistent to the outside world.

Global entry point:

- stats.wikimedia.global

Local versions examples:

- stats.wikimedia.global/fr
  stats.wikimedia.global/de

Personalization of local version

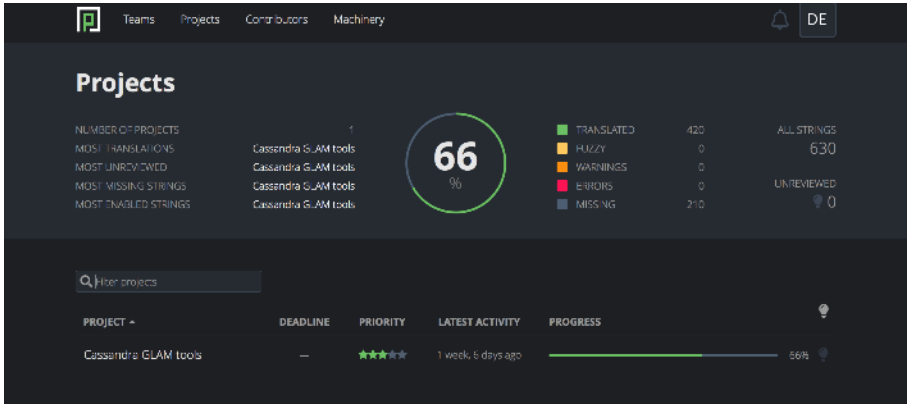
The project encompasses the improvement and extension of the control panel to allow the personalization of Cassandra without IT knowledge.

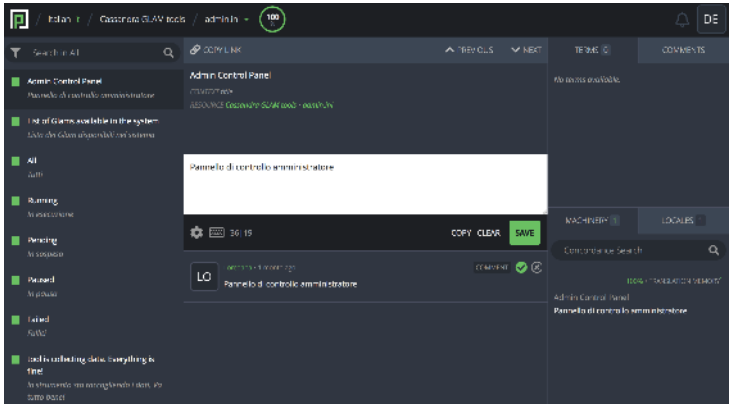
Examples:

- Adding your Wikimedia Logo to the landing page
- Setting the default language

Translation Software & Process

The projects includes the integration of an open-source translation software and process.





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Master Version, Updates & Documentation

We will keep a master version of the Cassandra project, where all the improvements and languages will always be up to date.

Every Chapter/country participating in the project will be able to download the newest version of Cassandra.

A basic technical documentation for implementing a local version of Cassandra and how to perform the translations will be provided.

Sustainable Architecture & Service Offering

A sustainable, cost-efficient and manageable technical solution by providing a global entry point and offering several implementation options:

- Own Cassandra Version
- Empty Clone by WMCH, cost-efficient, hosted in your country or in Switzerland
- Solution for small Chapters, hosted and financed by WMCH

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Q&A Session

THANK YOU

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