

# Ajapaik.ee

gamified crowdsourcing of geotags and rephotos for historic photographs

## Vahur Puik

Estonian Photographic Heritage Society

20.2.2015 @ Civic Epistemologies Workshop, via skype

every photograph has  
been taken **somewhere**



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View item at  
[Architekturmuseum der Technischen Universität Berlin in der Universitätsbibliothek](#)

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Cite on Wikipedia



**Title:** Rathaus in Leuven

**Creator:** unbek. Fotograf

**Data provider:** Architekturmuseum der Technischen Universität Berlin in der Universitätsbibliothek

**Provider:** Athena

**View item at:** [Architekturmuseum der Technischen Universität Berlin in der Universitätsbibliothek](#)

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Provider:



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Eenvoudig  Uitgebreid

[Naar collectie Foto's](#)

Zoeken:

Zoeken



Zoekresultaat: 1 gevonden

## Staking Vlaamse studenten te Leuven



Instructies voor het bekijken van de scans

Metadata

Context

### Metadata

#### Collectie / Archief

Fotocollectie Anefo

#### Reportage / Serie

[ onbekend ]

#### Beschrijving

Staking Vlaamse studenten te Leuven

#### Datum

18 januari 1968

#### Locatie

Leuven

#### Trefwoorden

STUDENTEN, Stakingen

#### Fotograaf

Kroon, Ron / Anefo

#### Auteursrechthebbende

Nationaal Archief

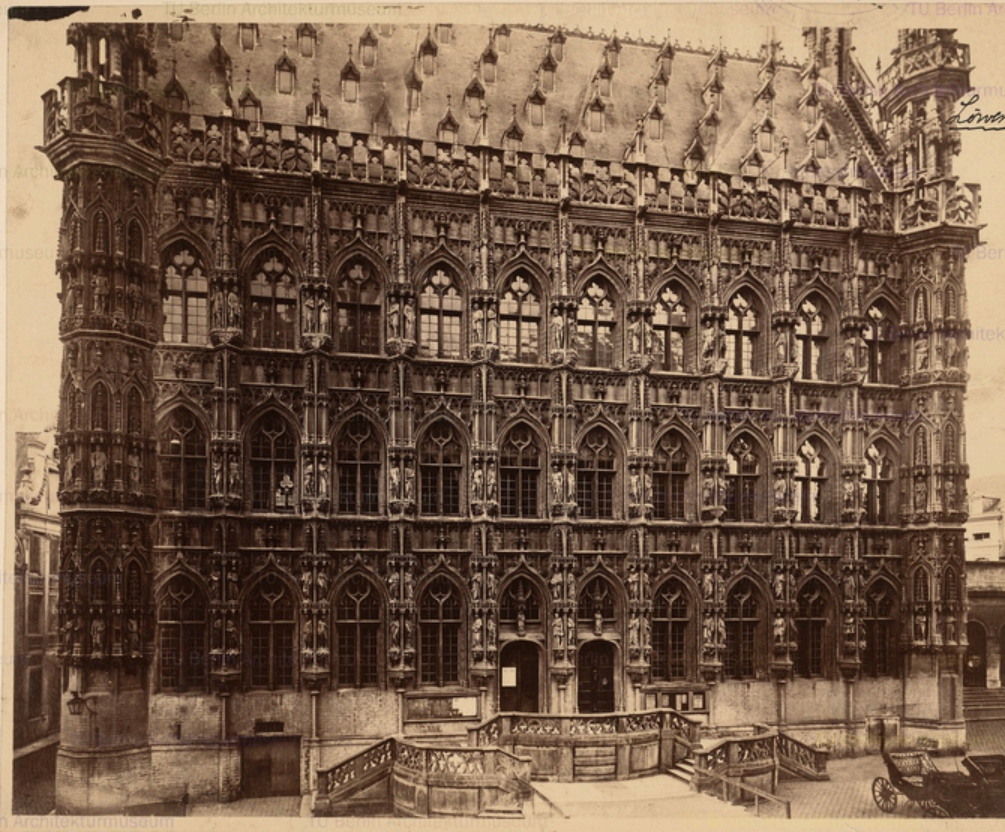


#### Materiaal soort



some pictures are  
primarily about **places**

view (topographic)  
photographs



**Title:** Rathaus, Loewen

**Creator:** unbek. Fotograf

**Data provider:** Architekturmuseum der Technischen Universität Berlin in der Universitätsbibliothek

**Provider:** Athena

**View item at:** Architekturmuseum der Technischen Universität Berlin in der Universitätsbibliothek [↗](#)

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Share



some pictures are  
primarily about places  
others are not



Zoekresultaat: 1 gevonden

## Ere-doctoraten in Leuven (Belgie), aankomst bij Universiteit



[Instructies voor het bekijken van de scans](#)  
[Bekijk een grote versie van de afbeelding \(in jpeg\)](#)

Metadata

Context

### Metadata

**Collectie / Archief**  
Fotocollectie Anefo

**Reportage / Serie**  
[ onbekend ]

**Beschrijving**  
Ere-doctoraten in Leuven (Belgie),  
aankomst bij Universiteit

**Datum**  
2 februari 1967

**Locatie**  
België, Leuven

**Trefwoorden**  
aankomsten, eredoctoraten,  
universiteiten

**Fotograaf**  
Koch, Eric / Anefo

**Auteursrechthebbende**  
Nationaal Archief



**Materiaalsoort**  
Negatief (zwart-wit)

**Nummer toegang**  
bekijk toegang [2.24.01.05](#)

Reacties



search dependant on  
textual descriptions and  
keywords



Search ▾ edm\_place:"http://sws.geonames.org/2792483/"

Search

Help

Matches for:

edm\_place: "http://sws.geonames.org/2792483/"

Translate search terms Setup translation

Refine your results:

Add more keywords

+ Add

By media type

- IMAGE (630)
TEXT (6)
VIDEO (4)

By language of description

By year

By providing country

Can I use it?

By copyright

By provider

By data provider

Include content contributed by users

Share:

Share

Results per page: 96 ▾

Results 169 - 264 of 640

2 of 7 <>



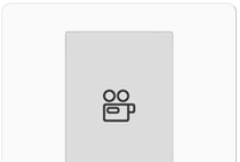
Bombardement terroriste de Louvain dans...



"Bombardement terroriste de Lou...



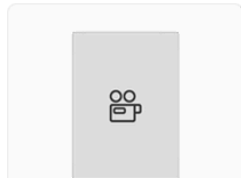
Duitse bezetting van de Belgische stad L...



Working in one of the biggest compani...



EU Enlargement: what can it offer you?



EU Enlargement: what can it offer you?



Participation de László Andor, membre ...



Participation de László Andor, membre ...



Participation de László Andor, membre ...



Participation de László Andor, membre ...



Participation de László Andor, membre ...



Participation de László Andor, membre ...



papier peint



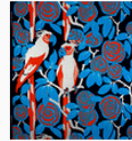
papier peint



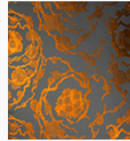
papier peint



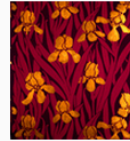
papier peint



papier peint



papier peint



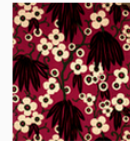
papier peint



papier peint



papier peint



papier peint



papier peint



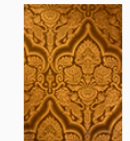
papier peint



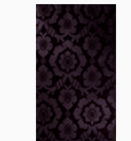
papier peint



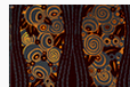
papier peint



papier peint



papier peint





Search ▾ leuven

Search

Help

Matches for:

leuven

Translate search terms  
[Setup translation](#)

Refine your results:

▾ Add more keywords

+ Add

▾ By media type

- IMAGE (26947)
- TEXT (2917)
- VIDEO (24)
- SOUND (3)

▾ By language of description

▾ By year

▾ By providing country

▾ Can I use it?

▾ By copyright

▾ By provider

▾ By data provider

Include content contributed by users



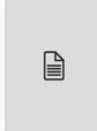

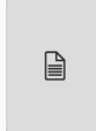

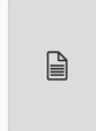

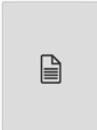

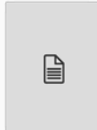

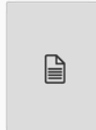

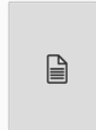

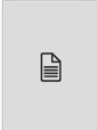

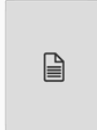

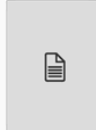

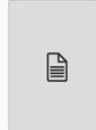

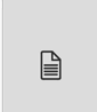
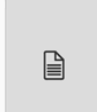
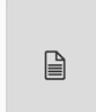
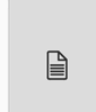
Share:

Share

Results per page: 96 ▾

Results 1 - 96 of 29,891

1 of 312 >>

 KVHV, Leuven, studentikoze av... 	 Topica iuris seu lucis loci argumentoru... 	 Victoria Serenissimi Poloniae Regis ... 	 Arithmetices Praxis 
 De la Contrition necessaire pour ... 	 Trilingues verborum coniugationes 	 Oratio quodlibetica 	 Commentarium ad usus feudorum, i... 
 Prodromus Apologiae Fermentationis i... 	 Euclides Logisticus 	 Opera aliquot et versiones 	 Levini Brechti Sylva piorum carminu... 
			





Search ▾ leuven

Search

Help

Results per page: 96 ▾

Results 1 - 96 of 1,001

1 of 11 >>

Matches for:

leuven  
photograph

Translate search terms  
Setup translation

Refine your results:

▾ Add more keywords

+ Add

▾ By media type

IMAGE (992)  
 TEXT (9)

▾ By language of description

▾ By year

▾ By providing country

▾ Can I use it?

▾ By copyright

















▾ By provider

▾ By data provider

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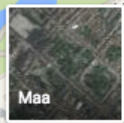
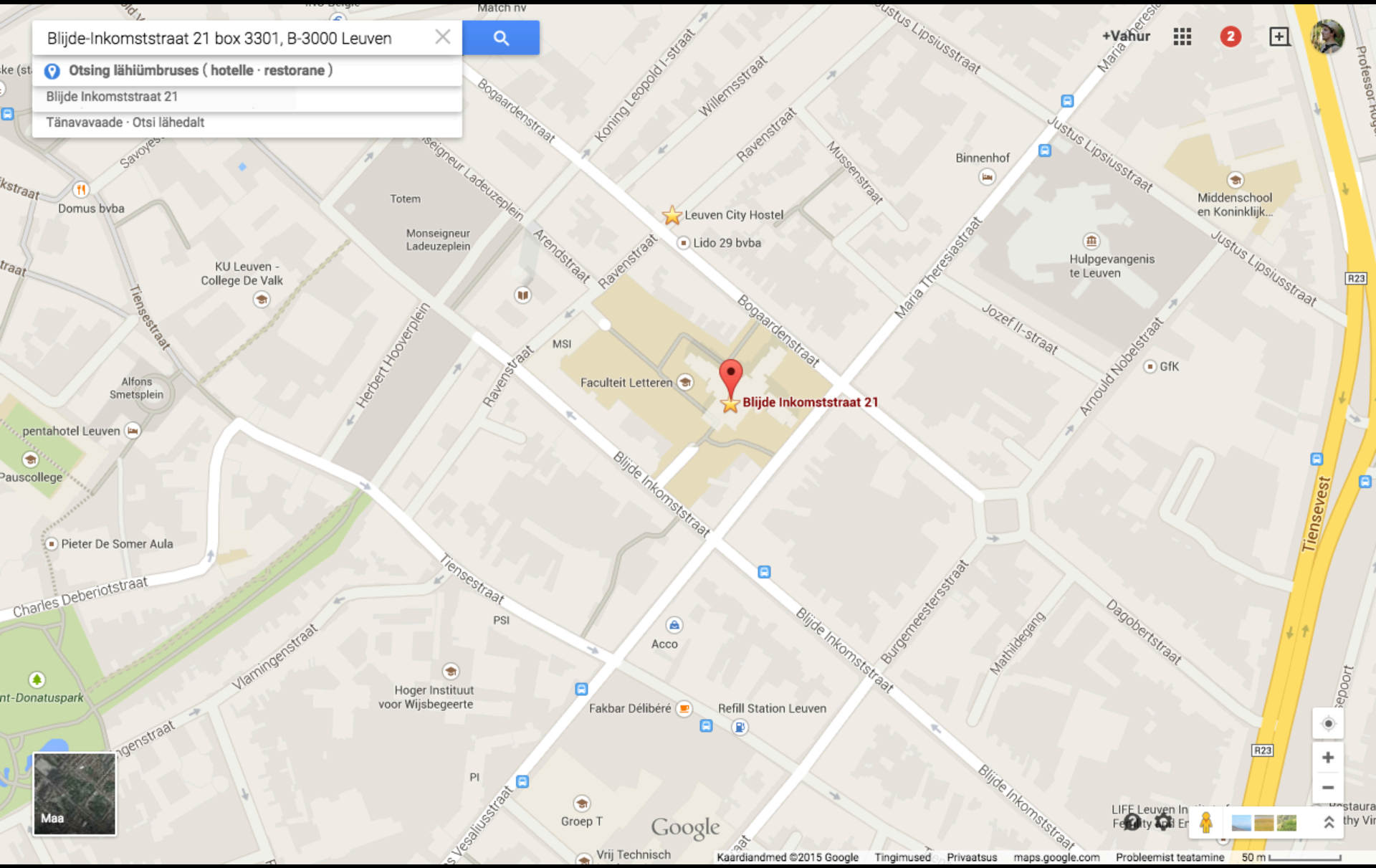
Share:

Share

 Lysbeth van Leuven (1543-1625)	 Mevr. Petronella Marie Suzanne Backer...	 J.C.G. Backer van Leuven (...-1881...	 Heloise Lydia Wilhelmina Back...
 Carl Freiherr von Lamezan (1830-...	 BELGIUM ARCHIVES LEUVEN VLAA...	 BELGIUM ARCHIVES LEUVEN VLAA...	 BELGIUM ARCHIVES LEUVEN VLAA...
 BELGIUM ARCHIVES LEUVEN VLAA...	 BELGIUM ARCHIVES LEUVEN VLAA...	 BELGIUM ARCHIVES LEUVEN VLAA...	 BELGIUM ARCHIVES LEUVEN VLAA...
			

Blijde-Inkomststraat 21 box 3301, B-3000 Leuven

- Otsing lähiümbruses (hotelle · restorane)
- Blijde Inkomststraat 21
- Tänavavaade · Otsi lähedalt



Google

missing precise location  
metadata (geographical  
coordinates)



# Geocoded digital cultural content. Report by Linked Heritage

# Geocoded digital cultural content.

Report by Linked Heritage

- Searching for content in a more user friendly way, without the necessity of typing geographical names

# Geocoded digital cultural content.

Report by Linked Heritage

- Searching for content in a more user friendly way, without the necessity of typing geographical names
- The possibility of discovering overlapping cultural content at the same location but originating from different sources and at different times

**ajapaik**

innovation of process

how to geotag

how to geotag  
more efficiently

how to geotag  
more efficiently  
and on a large scale?



crowdsourcing

# Six different typologies of Citizen Science Projects (Oomen and Aroyo):

1. correction and transcription
2. contextualisation
3. complementing collection
4. classification
5. co-curation
6. crowdfunding

# Six different typologies of Citizen Science Projects (Oomen and Aroyo):

**geotagging** can be viewed as

1. **correction** and transcription
2. **contextualisation**
3. complementing collection
4. **classification**
5. co-curation
6. crowdfunding

**socially validated data**





**Ajapaik has at the moment**

old photos: 4116

**Ajapaik has at the moment**

old photos: 4116

rephotographs: 767



# **Ajapaik has at the moment**

old photos: 4116

rephotographs: 767

geotags: 110 907

# **Ajapaik has at the moment**

old photos: 4116

rephotographs: 767

geotags: 110 907

~27 geotags per picture

# **Ajapaik has at the moment**

old photos: 4116

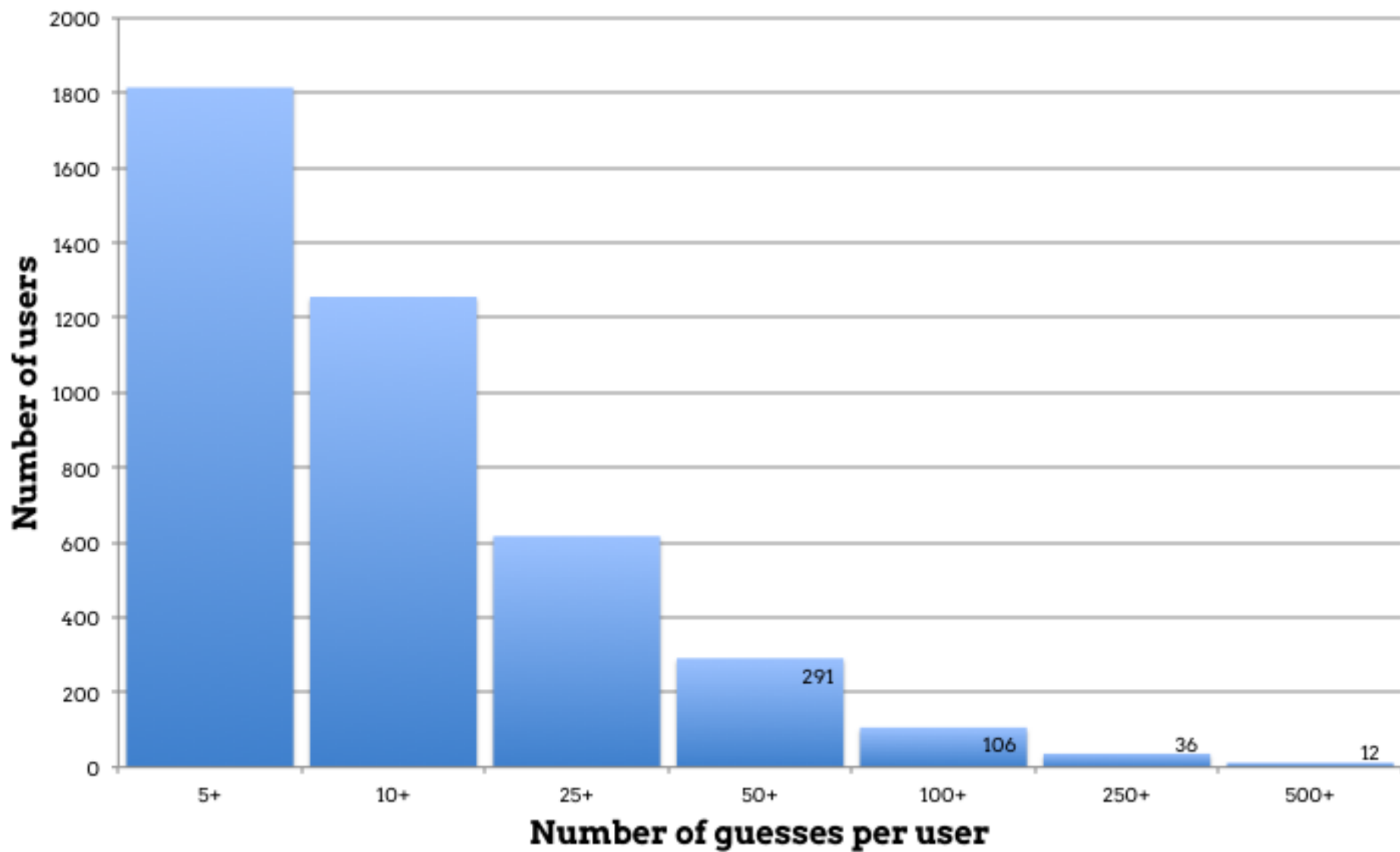
rephotographs: 767

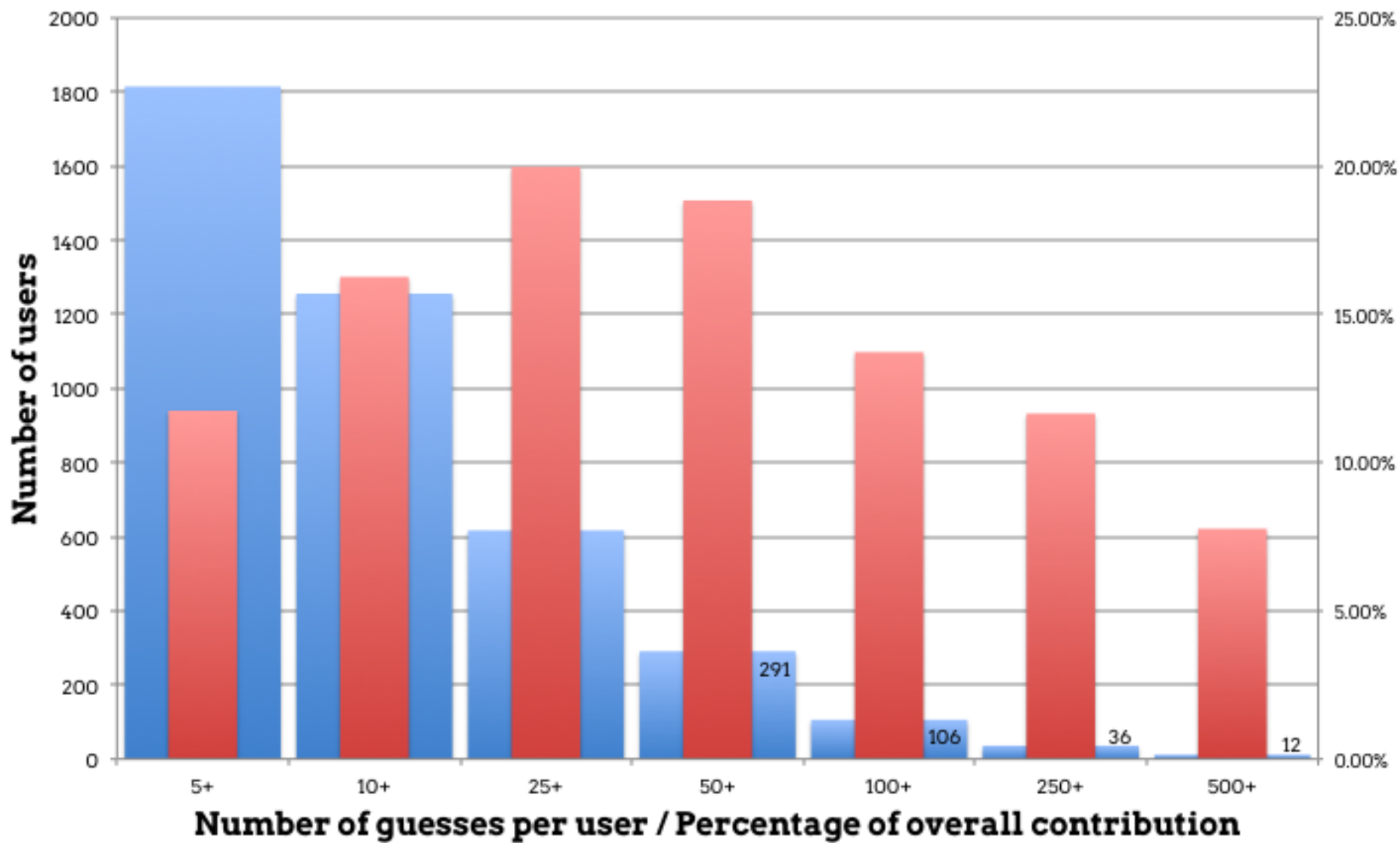
geotags: 110 907

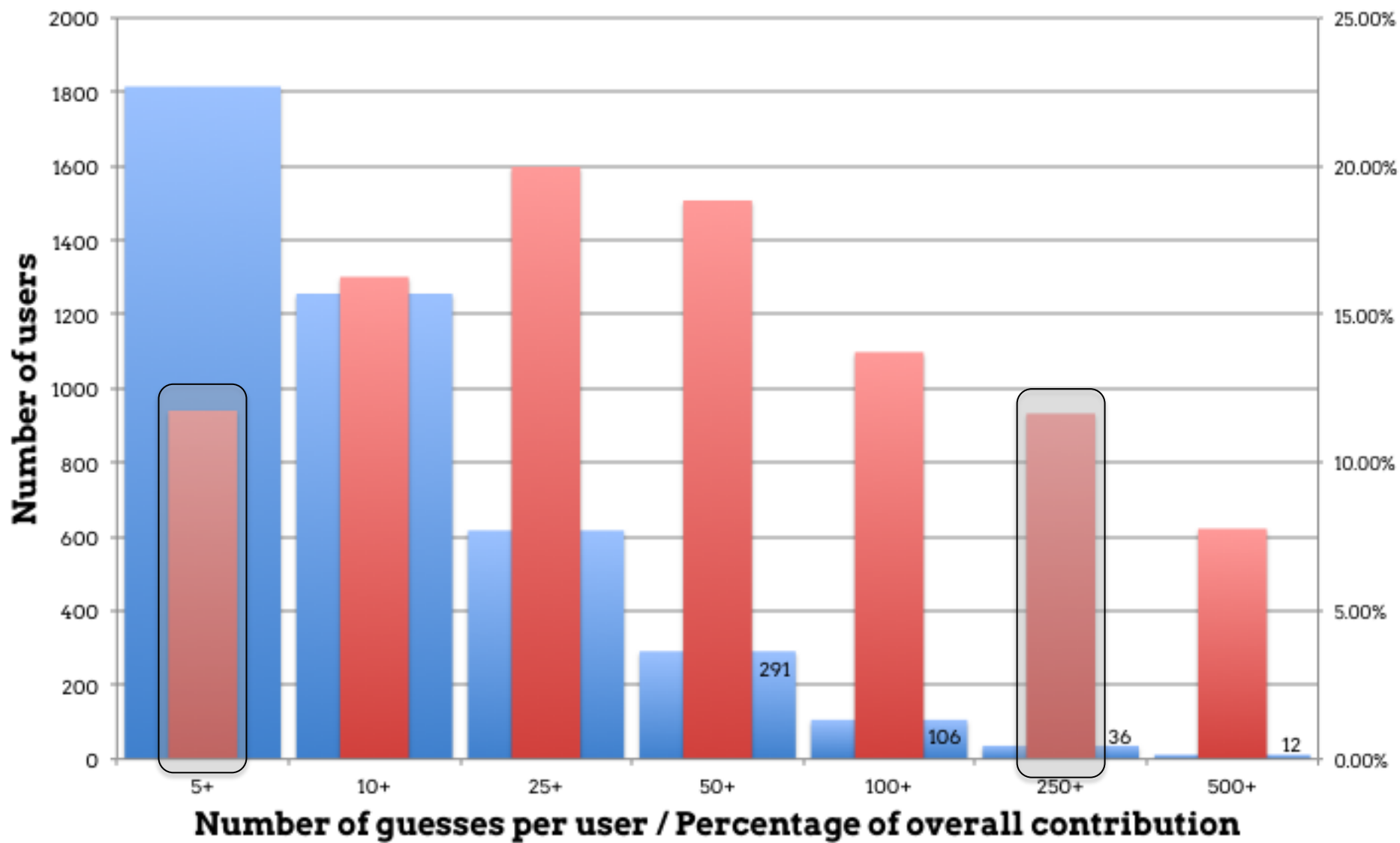
~27 geotags per picture

individual users: 46 322

authenticated users: 409







**top contributor is anonymous!**

gamified  
crowdsourcing



Search

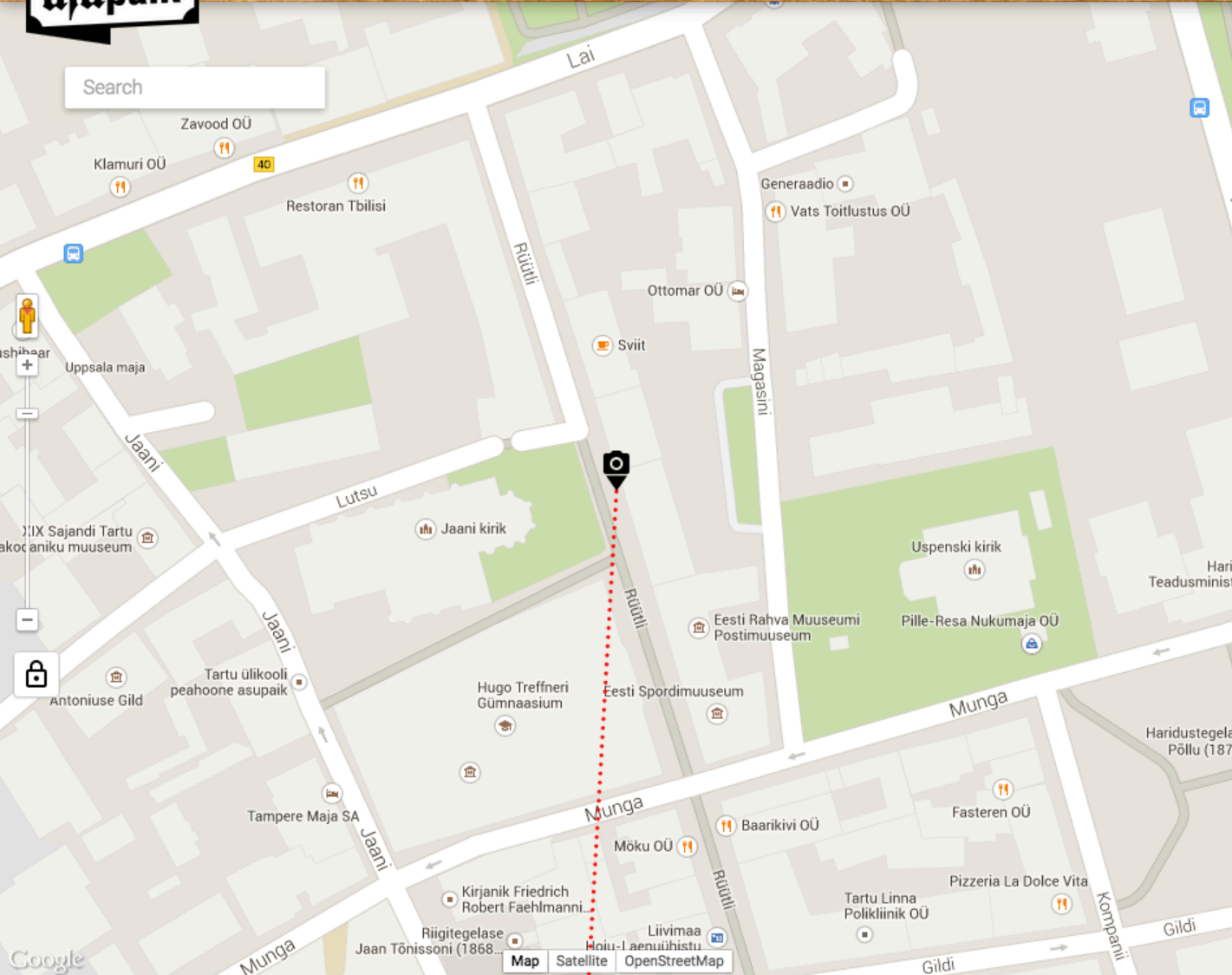


N5635\_2 Eesti Ajaloomuuseumi fotokogu / Estonian History Museum's collection of photographs

Show description

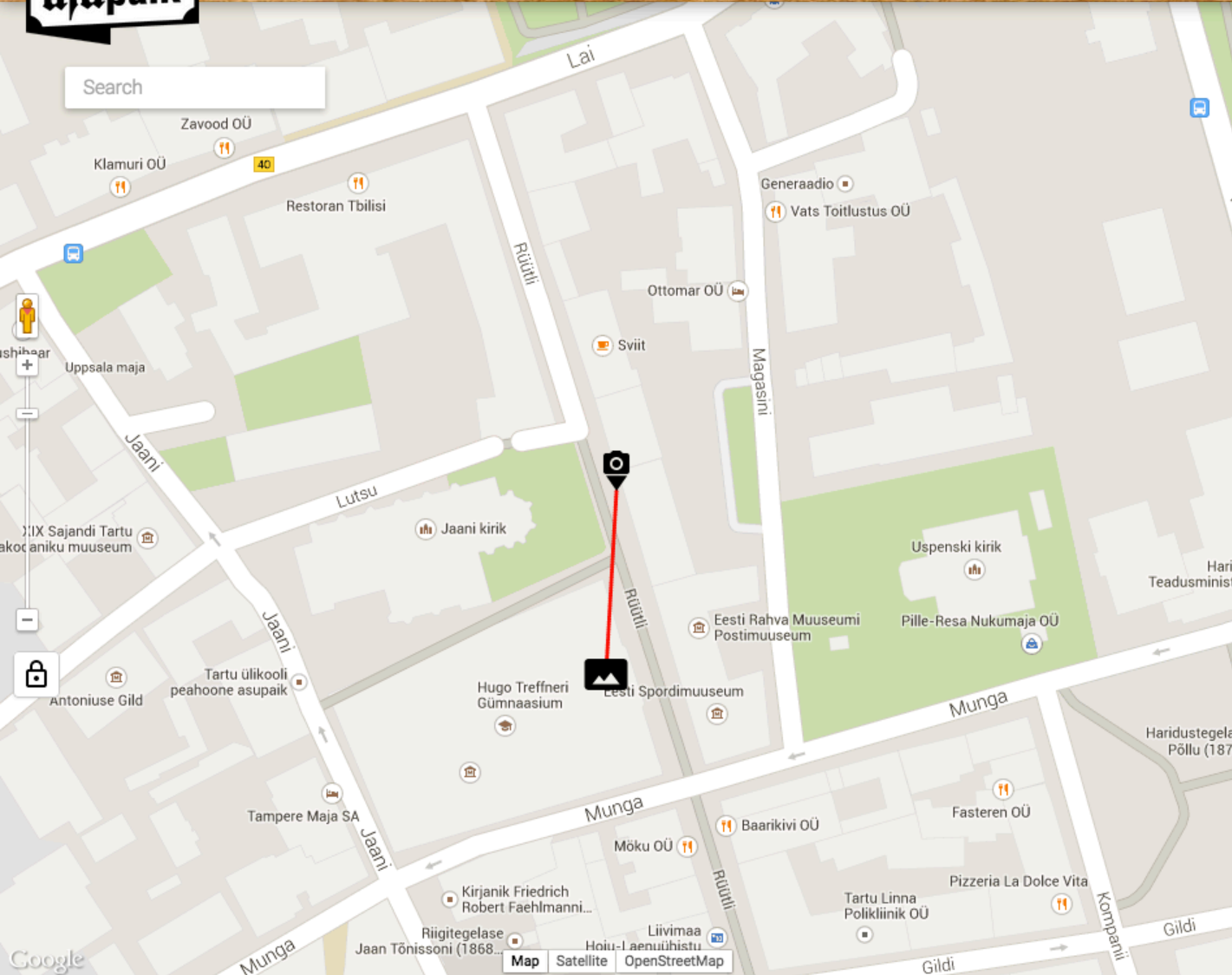
Pick the shooting location!

Next photo



N5435 - 2 Eesti Ajaloomuuseumi fotograafi / Estonian History Museum's collection of photographs

Geotags: 35  
With azimuth: 1

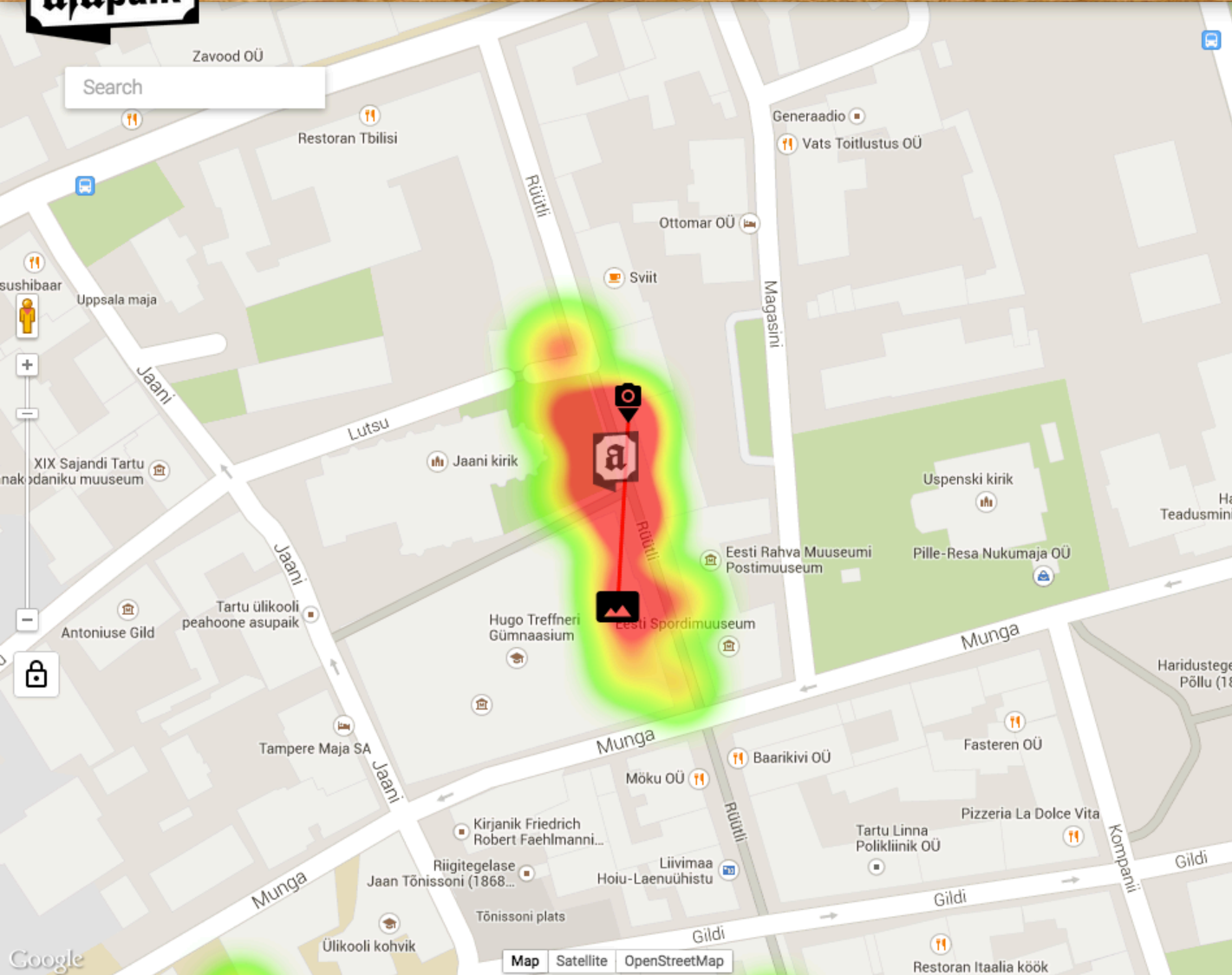


N5435 - 2 Eesti Ajaloomuuseumi fotograafi / Estonian History Museum's collection of photographs

Geotags: 35  
With azimuth: 1



Geotags: 35  
With azimuth: 1



N5635\_2 Eesti Ajaloomuuseumi fotograafi / Estonian History Museum's collection of photographs

[Show description](#) [Flip](#)

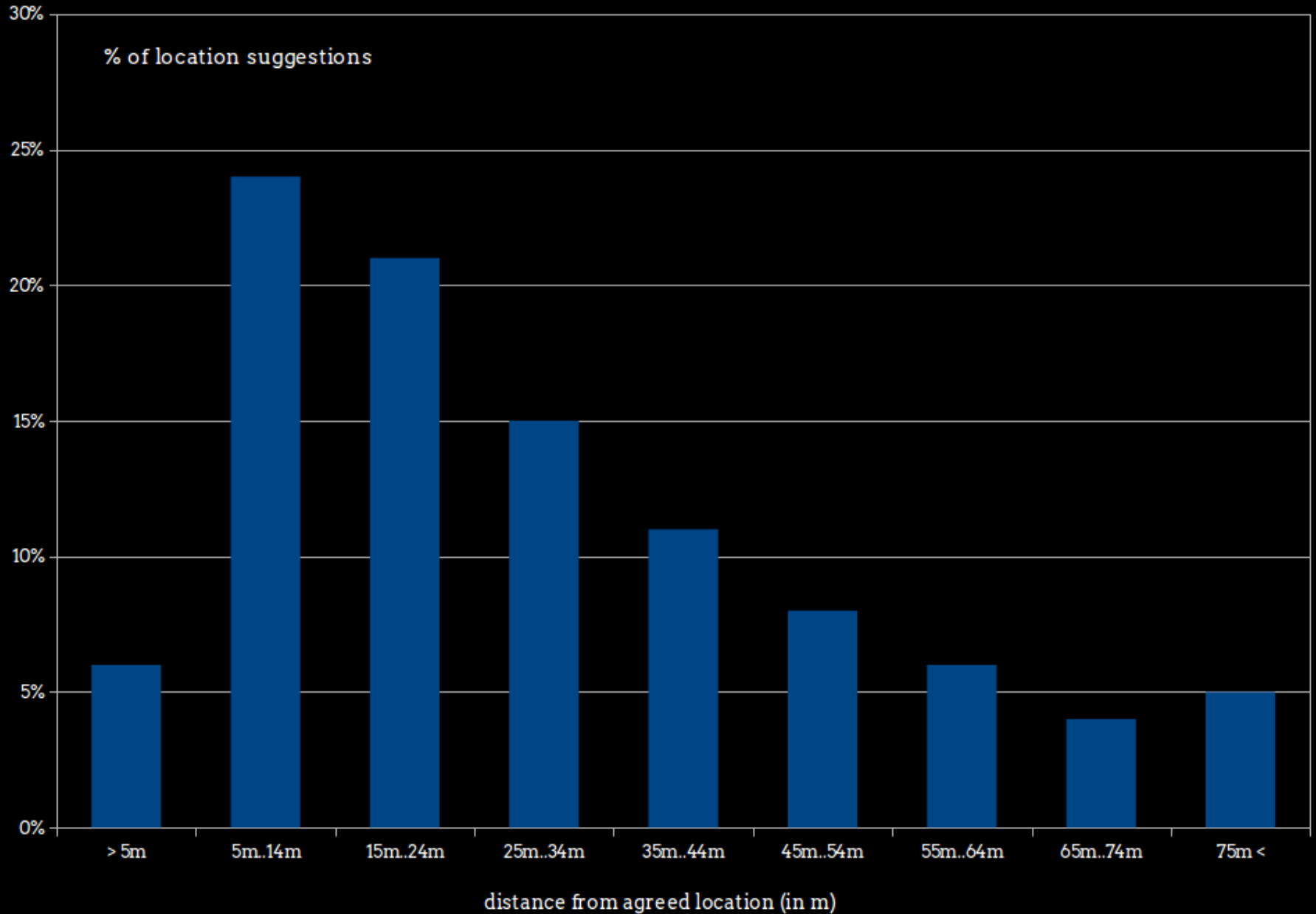
Geotags: 36  
With azimuth: 2

## Thank you!

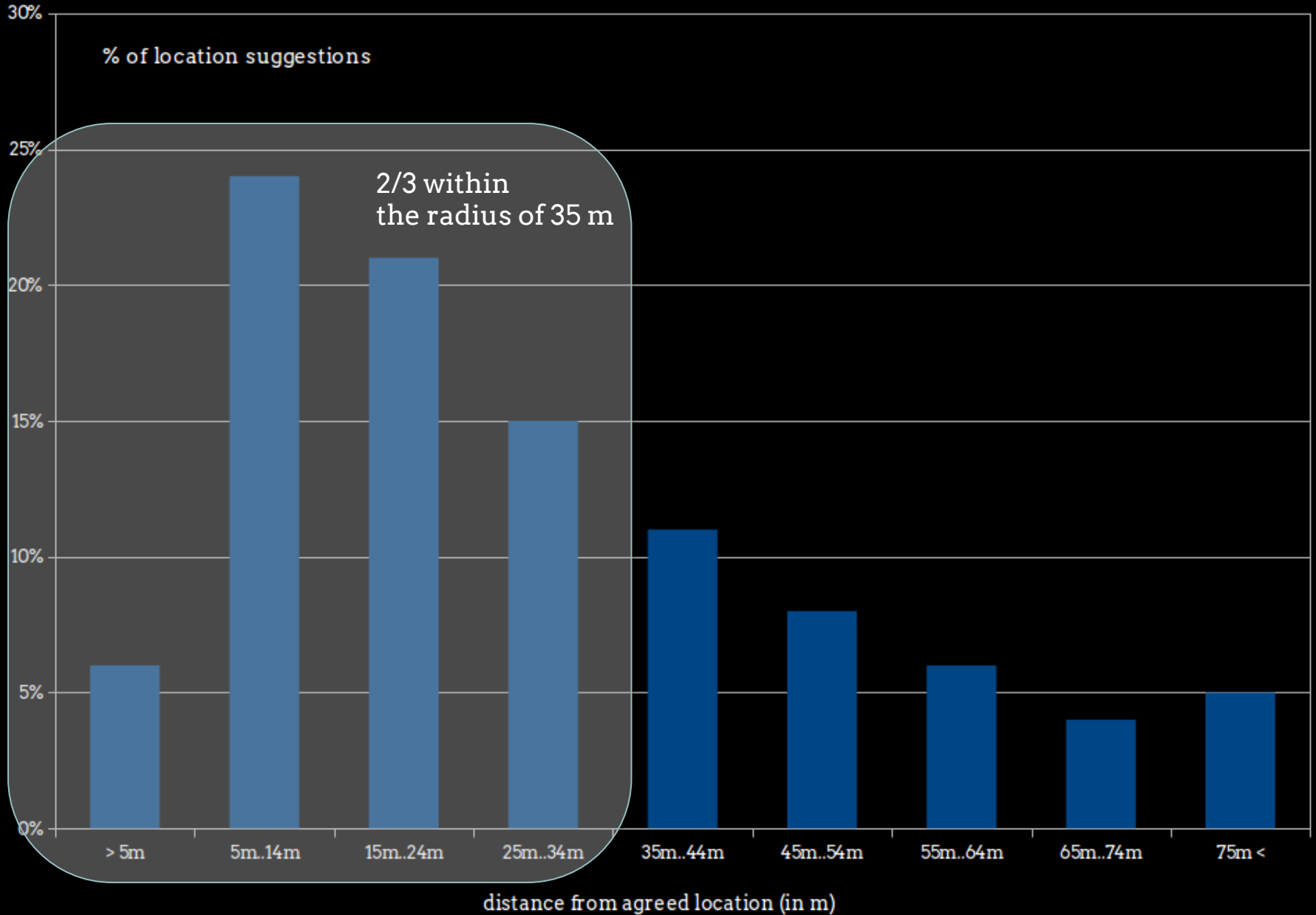
Looks right!  
Points awarded: 145  
In your opinion to geotag this photo is  
easy    hard  
[Next photo](#)

other possible tasks:

# Accuracy of location suggestions at Ajapaik.ee



# Accuracy of location suggestions at Ajapaik.ee





other possible tasks:  
special tagging

other possible tasks:

special tagging

- viewpoint position

# other possible tasks:

## special tagging

- viewpoint position
- angle of view

# other possible tasks:

## special tagging

- viewpoint position
- angle of view
- keywords

# other possible tasks:

## special tagging

- viewpoint position
- angle of view
- keywords

## specifying the date

# other possible tasks:

## special tagging

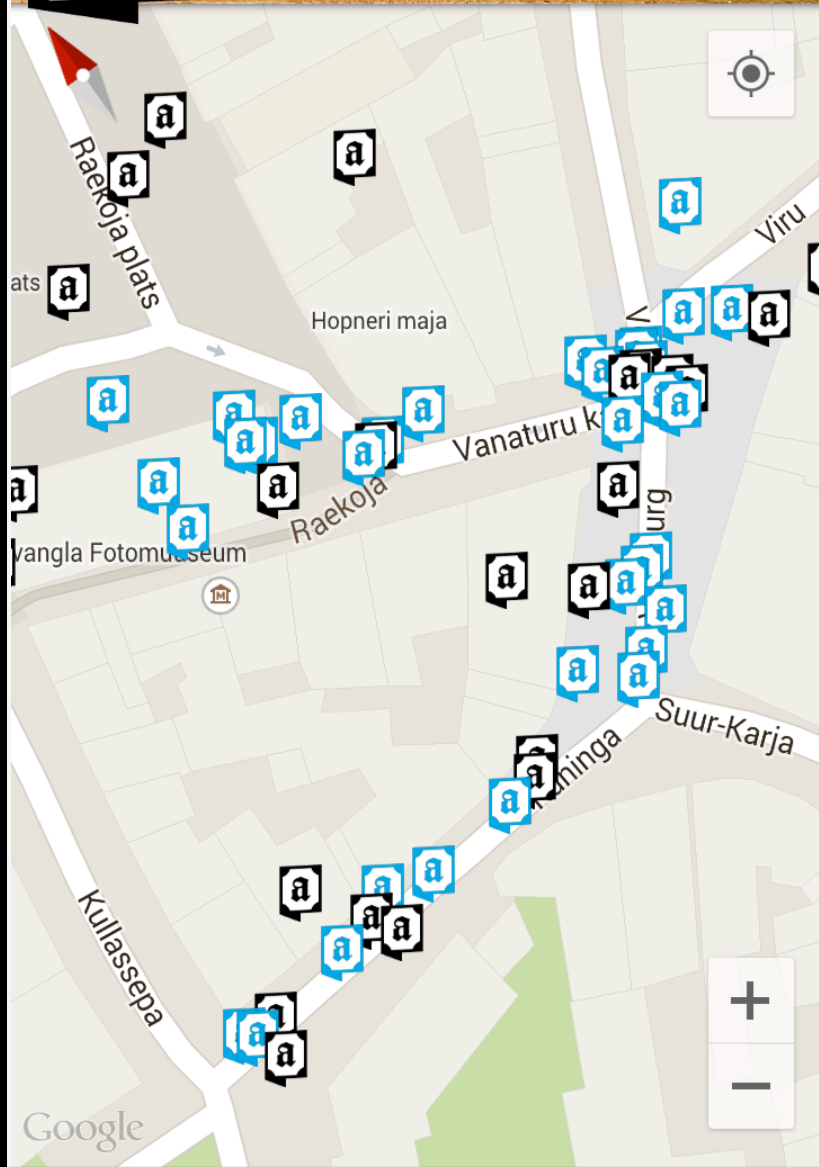
- viewpoint position
- angle of view
- keywords

## specifying the date

## cropping

then and now photos =  
rephotography, repeat photography

# ajapaik





ajapaik



Niguliste kirik, vaade loodest.

Lisa ülepildistus

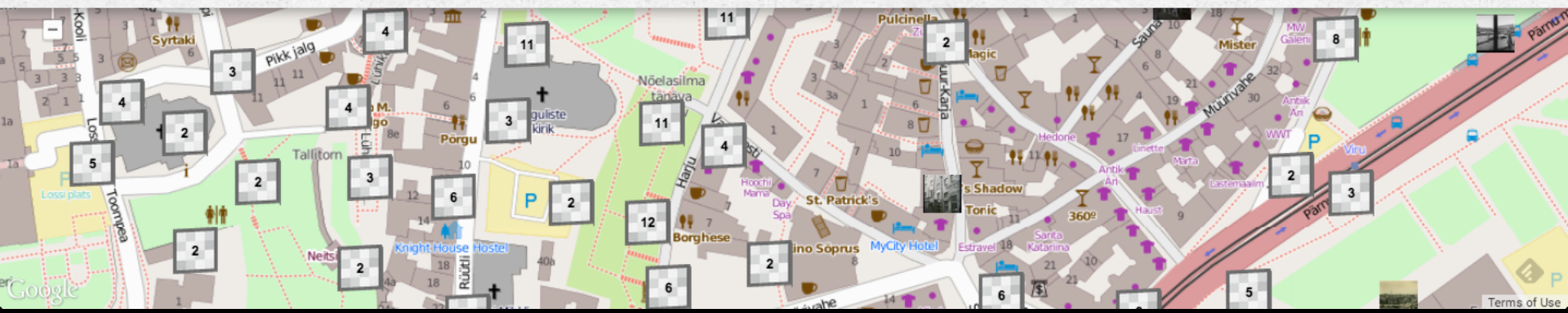






Heat map Add rephoto (1)

Close photo Add comment (0)



**content**

**curation / management**

Estonian Museum Database

Estonian National Archives

Europeana

Flickr Commons

Wikimedia Commons

+

users uploads

next:

**gamify & crowdsource  
curation**

issues of

issues of

- **traction**

issues of

- **traction**
- **retention**





- Prü aktuante
- Gestionnaire de pu...
- Messages
- Évènements 16
- Photos
- Ajapaik.ee
- Cadeaux
- Ajapaiklejad
- Nõva kant
- Ingress Resistance ... 2
- Wikimaps + Histori...
- Liitreaalsuse (aug... 20+
- Eesti M-õppe kogu... 16
- Eesti fotopäränd
- Eesti Rattarikkaks! 2
- Nostalgiline Tartu
- Haapsalu ja Lääne...
- Hack4fi
- Sauvegardés

PAGES

- Muuseumiöö
- Actualité des Pages 20+
- Pages que vous po...
- Créer une Page
- Créer une publicité

GROUPES

- Padise vald 19



Membre ▾

Partager

Notifications



Nostalgiline Tartu

Membres

Évènements

Photos

Fichiers

Rechercher dans ce groupe



- Message
- Photo/vidéo
- Question
- Fichier

Exprimez-vous

DEPUIS LES NOTIFICATIONS



Tiit KuMa

1 h

Lihapoe tänav, vaade Puusillalt 1869  
 Carl Schulz  
 (F 17550)



À PROPOS

3 518 membres

Pildid, jutud ja kõik muud mälestused Tartu linnast.

Nostalgiline Tartu grupi administraatori(...  
[Afficher la suite](#)

3 518 membres (156 nouveaux) · Inviter par  
 courrier électronique

+ Ajouter des personnes au groupe

CRÉER DES GROUPES

Grâce aux groupes, vous pouvez partager encore plus facilement avec vos amis, votre famille et vos coéquipiers.

Créer un groupe



Timepatch.net / Ajapaik.ee  
github.com/Ajapaik

vahur@ajapaik.ee