# Amsterdam Content Analysis Toolkit (AmCAT)

Sofia Gil-Clavel

Researcher, Lab Manager















by researchers for researchers, society, and data savvy users.







# To standardize multimedia analysis tasks with easy-to-use software.













Text & Multimedia
Data Center















Text & Multimedia
Data Center





As part of Text & Multimedia Data Center, AmCAT aims to:











Text & Multimedia

Data Center





# As part of Text & Multimedia Data Center, AmCAT aims to:

❖ Be an inclusive tool for anyone interested in understanding and engaging with communication dynamics in democracies.











Text & Multimedia

Data Center



# As part of Text & Multimedia Data Center, AmCAT aims to:

- ❖ Be an inclusive tool for anyone interested in understanding and engaging with communication dynamics in democracies.
- Provide an entry point to search and share data.











Text & Multimedia **Data Center** 





- ❖ Be an inclusive tool for anyone interested in understanding and engaging with communication dynamics in democracies.
- Provide an entry point to search and share data.
- Share data under the non-consumptive research pipeline











Text & Multimedia

Data Center





# As part of Text & Multimedia Data Center, AmCAT aims to:

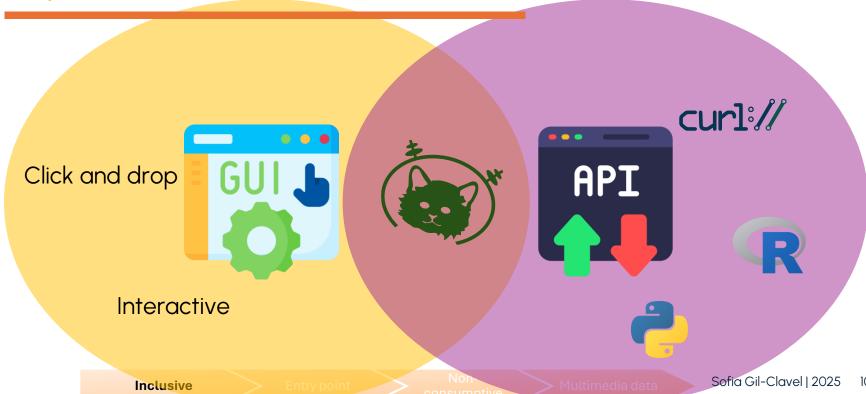
- Be an inclusive tool for anyone interested in understanding and engaging with communication dynamics in democracies.
- Provide an entry point to search and share data.
- Share data under the non-consumptive research pipeline.
- Facilitate the integration of textual and multimedia (audio, image, & video) data into (research) workflows.









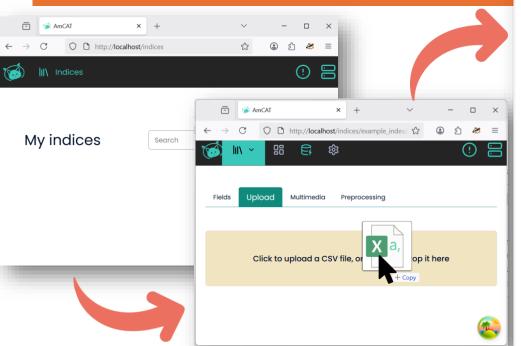


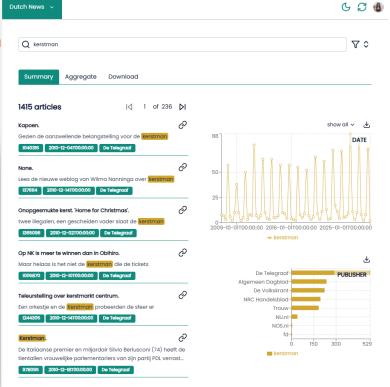










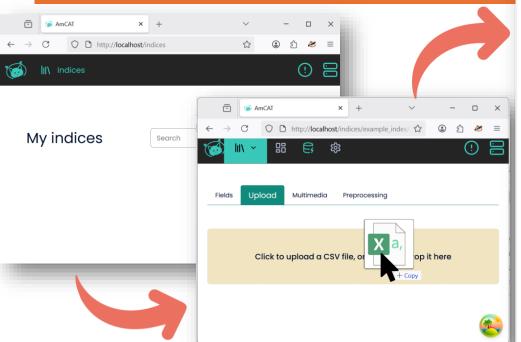


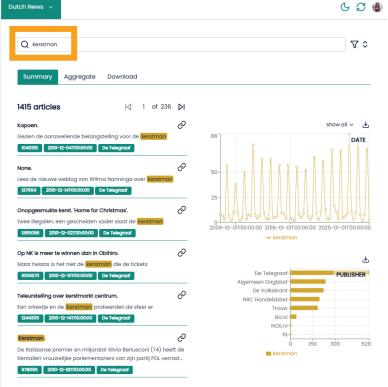










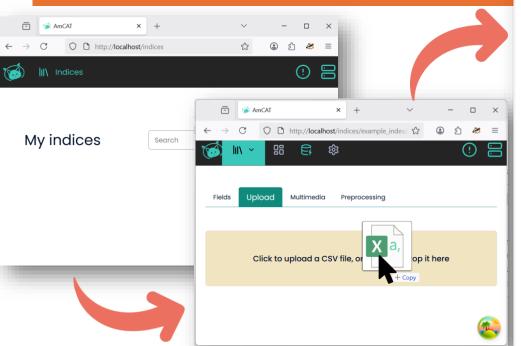


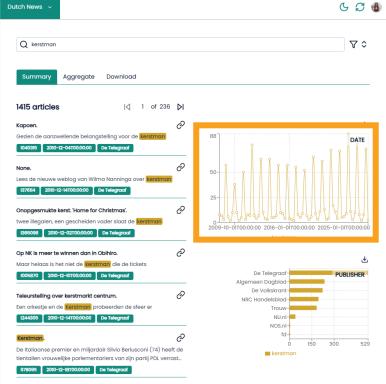










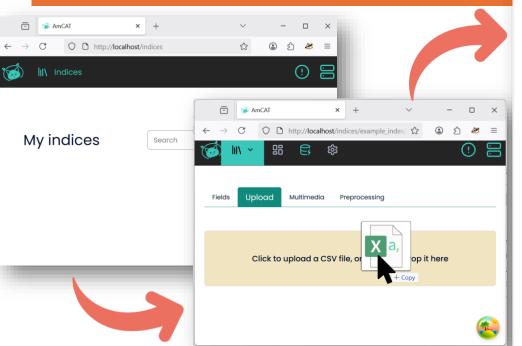


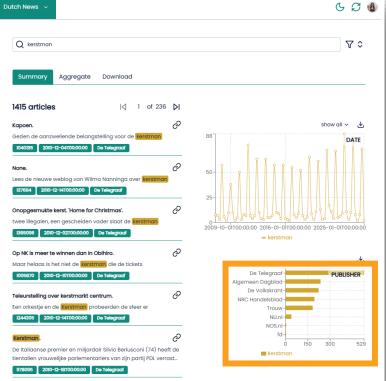










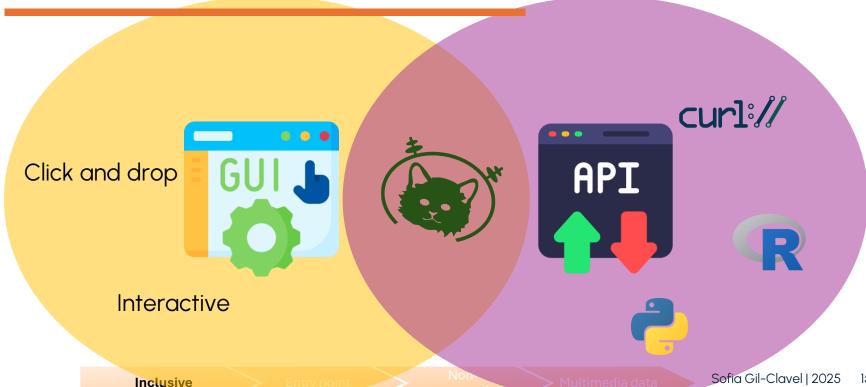




















remotes::install\_github("ccs-amsterdam/amcat4r")

Install









remotes::install\_github("ccs-amsterdam/amcat4r")

library(amcat4r)

Open









```
remotes::install_github("ccs-amsterdam/amcat4r")
library(amcat4r)
#### Checking the indexes ####
amcat_login("https://amcat4.labs.vu.nl/amcat")
```

#### Log-in to server









#### Create index









#### Upload to server

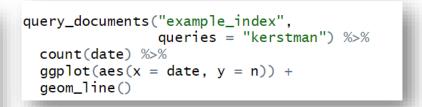


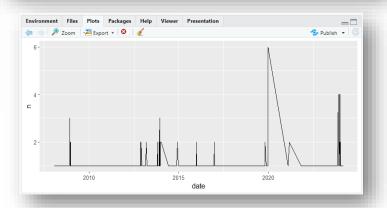






### Start analyzing





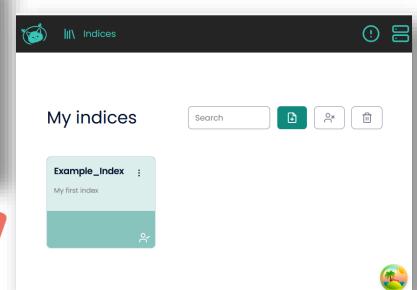








#### Start analyzing

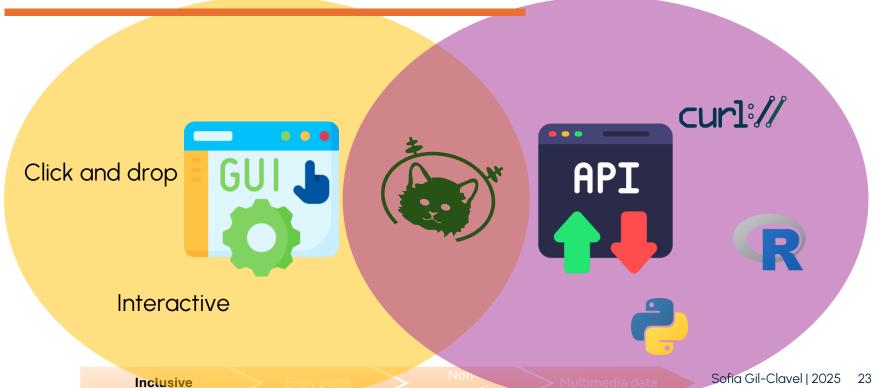












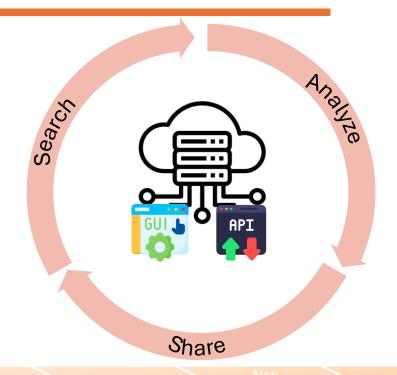








Create a save repository to share and search for data.



**Already running** in the **Societal Analytics** Lab server and soon in MEDEM's servers.



# Non-consumptive research







# Non-consumptive research







Refers to **analyses** methods that can be performed **without access to the full data set**.



# Non-consumptive research







AmCAT enables users to give access to others to view the metadata and annotations without accessing the underlying full text.

Non-

consumptive





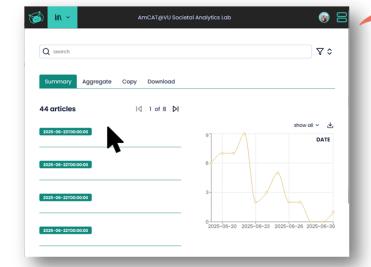


# Non-consumptive research













# Non-consumptive research







Role Level	Global Role	Index Role	Description
0	-	Guest	If a user does not have an explicit role on an index, the guest role (if any) is used. An unauthorized user can still get guest roles, so they can see any indices with a guest role. This is not a specific level, but it serves as a fallback for undefined index roles.
1	Reader	None	Can see which indices exist, but cannot access them. Index A is invisible to the user.
2	Reader	Metareader	Can see which indices exist. Can read all properties, do queries, etc. in Index A, but cannot read the 'text' attribute.
3	Reader	Reader	Can see which indices exist. Can read all properties, do queries, etc. in Index A, but cannot make changes.
4	Reader	Writer	Can see which indices exist. Can add/delete documents, add/delete users (up to their own level), and make other changes (but not delete) in Index A.
5	Reader	Admin	Can see which indices exist, can add/update/delete documents and users (up to their own level) in Index A and delete Index A itself.
6	Writer	None	Can create new indexes and users (with at most their own global role). Index A is invisible to the user.
7	Writer	Metareader	Can create new indexes and users (with at most their own global role). Can read all properties, do queries, etc. in Index A, but cannot read the 'text' attribute.
8	Writer	Reader	Can create new projects and users (with at most their own global role). Can read all properties, do queries, etc. in Index A, but cannot make changes.
9	Writer	Writer	Can create new projects and users (with at most their own global role). Can add/delete documents, add/delete users (up to their own level), and make other changes in Index A, but can't delete Index A.
10	Writer	Admin	Can create new projects and users (with at most their own global role). Can add/update/delete documents and users (up to their own level) in Index A and delete Index A itself.
11	Admin	Admin	Can delete projects and assign themselves a role on any index role. Can do whatever they want, including deleting the index.

**Entry point** 

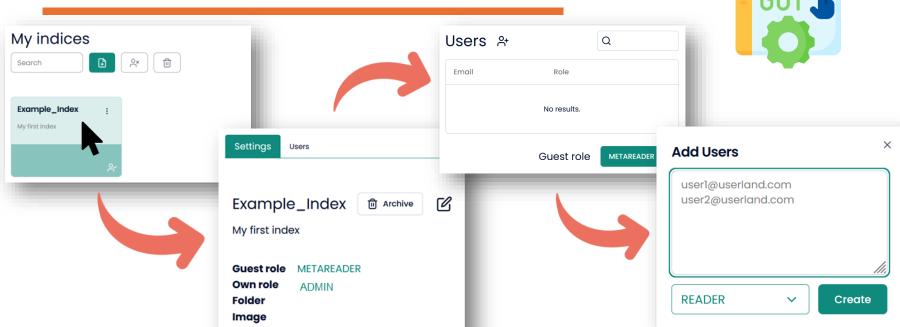


# Non-consumptive research





0 0 0









Sofia Gil-Clavel | 2025



#### Multimedia data







OPEN SOURCE SEARCH, ANALYTICS, AND AI PLATFORM

### Elasticsearch

Source: <a href="https://www.elastic.co/elasticsearch">https://www.elastic.co/elasticsearch</a>



#### Multimedia data







OPEN SOURCE SEARCH, ANALYTICS, AND AI PLATFORM

### Elasticsearch

Elasticsearch is an open source, distributed search and analytics engine built for speed, scale, and Al applications. As a retrieval platform, it stores structured, unstructured, and vector data in real time — delivering fast hybrid and vector search, powering observability and security analytics, and enabling Al-driven applications with high performance, accuracy, and relevance.

Source: https://www.elastic.co/elasticsearch







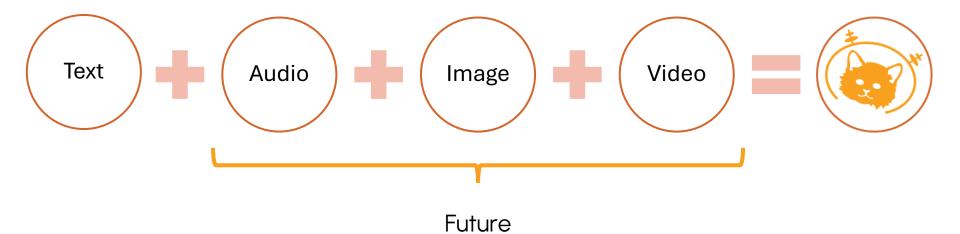








### Multimedia data















#### Check out the amcat-book:

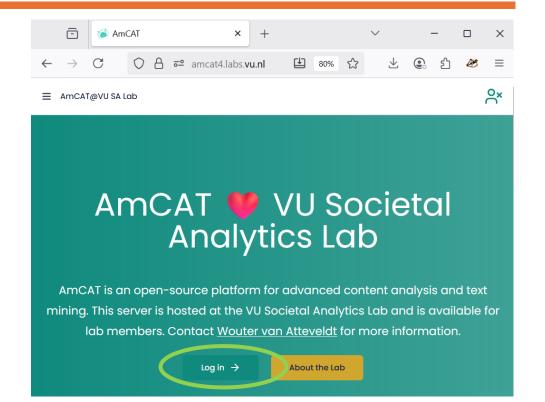


#### Check our blog post:





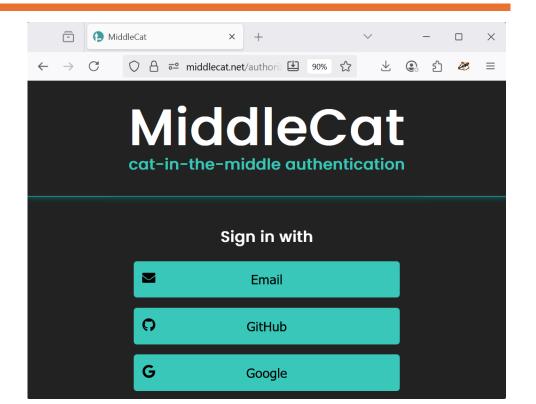










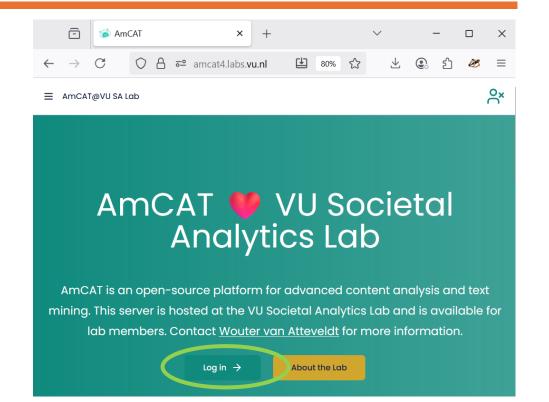








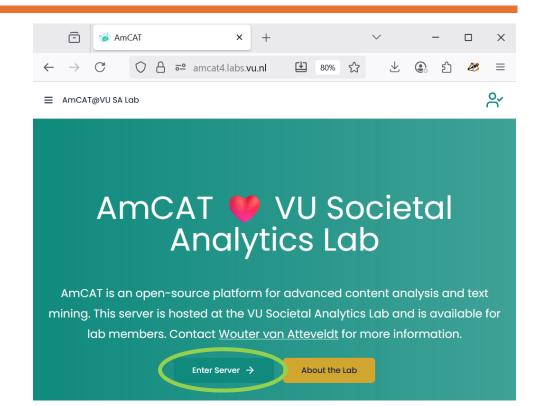








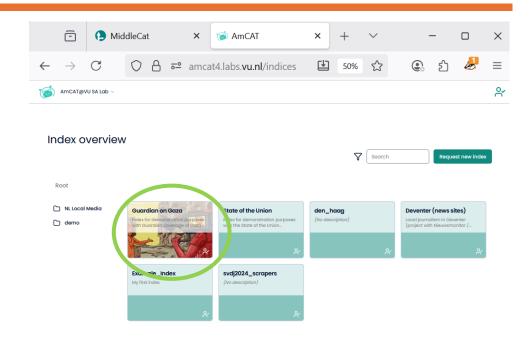










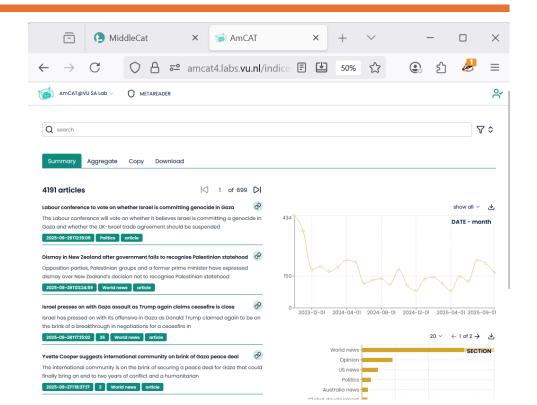








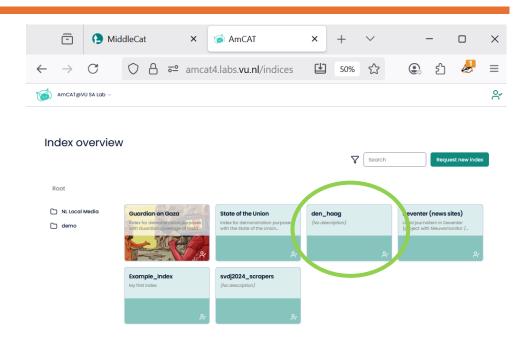








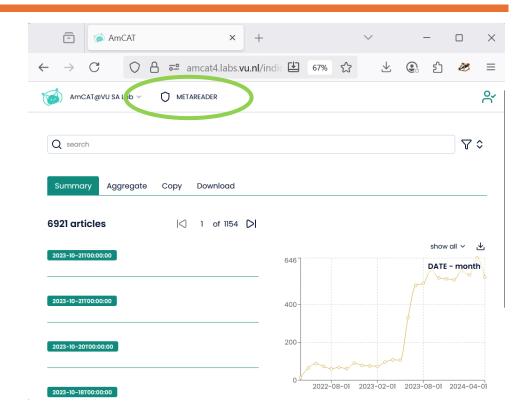










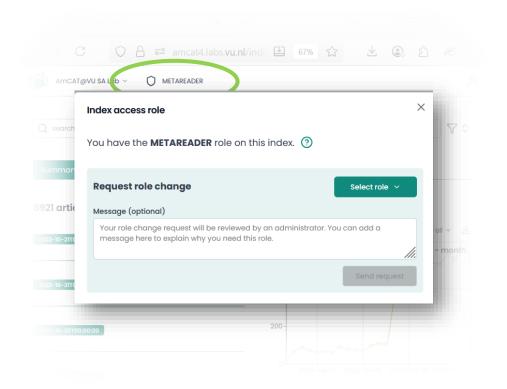








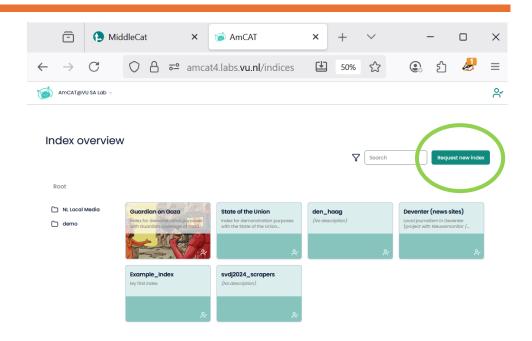








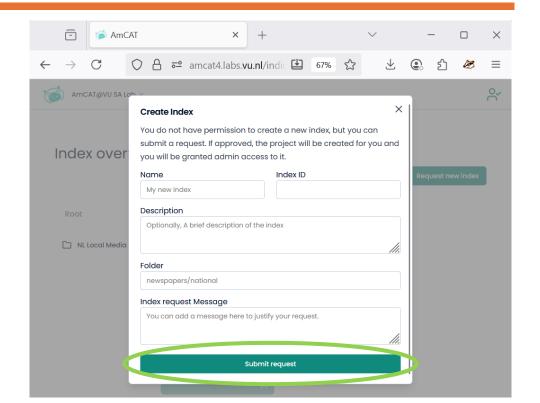








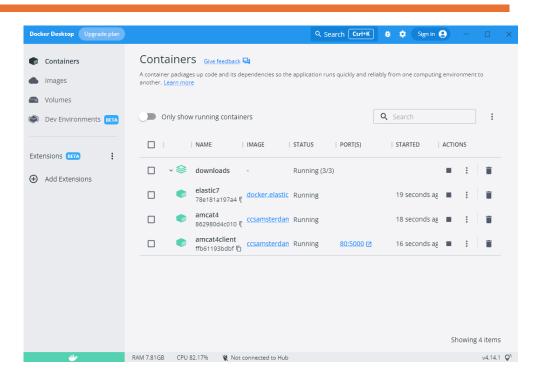












#### Check out the amcat-book:







Inclusive Entry point Non-consumptive Multimedia data









**Entry poin** 

Nononsumptive









**Entry point** 

nonconsumptive













**Entry point** 

Nonconsumptive













**Entry point** 

Nonconsumptive















**Entry point** 

Nonconsumptive











Sofia Gil-Clavel



https://sofiag1l.github.io/



Wouter van Atteveldt

### Thanks!