A decorative header featuring a network of white nodes and lines on a dark blue background, resembling a digital or social network.

Aanslagen, Attentats, Terroranslagen: developing a special collection for the academic study of the archived web related to the terrorist attacks in March 2016

Sally Chambers, Ghent Centre for Digital Humanities, Ghent University
Peter Mechant, Media, Innovation and Communication
Technologies (MICT), Ghent University
on behalf of the PROMISE Belgian Web-Archive Team



Koninklijke Bibliotheek van België
Bibliothèque royale de Belgique



Researchers, practitioners and their use of the archived web,
RESAW/IIPC conference, London, 14-16 June 2017



Overview

- 1. Web-archiving in Belgium: the current state of the art**
- 2. Brussels terrorist attacks, March 2016: piloting a special web-archive**
- 3. Research access and use of the special web-archive**



1. Web-archiving in Belgium: the current state of the art

Introducing the Belgian-web

The Belgian web is not currently systematically archived

HISTORY

In **June 1988** EARN and Eunet introduce the .be domain. Professor Pierre Verbaeten of the Leuven Catholic University is assigned the responsibility of it.

In **March 1993** the university gets IP connectivity. The name server for .be is installed on the computers of the Computer Science department of the university. The first .be domain names are registered manually in December 1993.

Interest in domain names grows; only names corresponding to the official organisation or company name, a commercial denomination or a trademark are being accepted. Each request has to be justified with official documents.

In **1994**, 129 .be domain names are registered.

Source: <https://www.dnsbelgium.be/en>

TOTAL DOMAIN NAMES

1 5 7 0 8 7 4
.be

7 4 1 2
.brussels

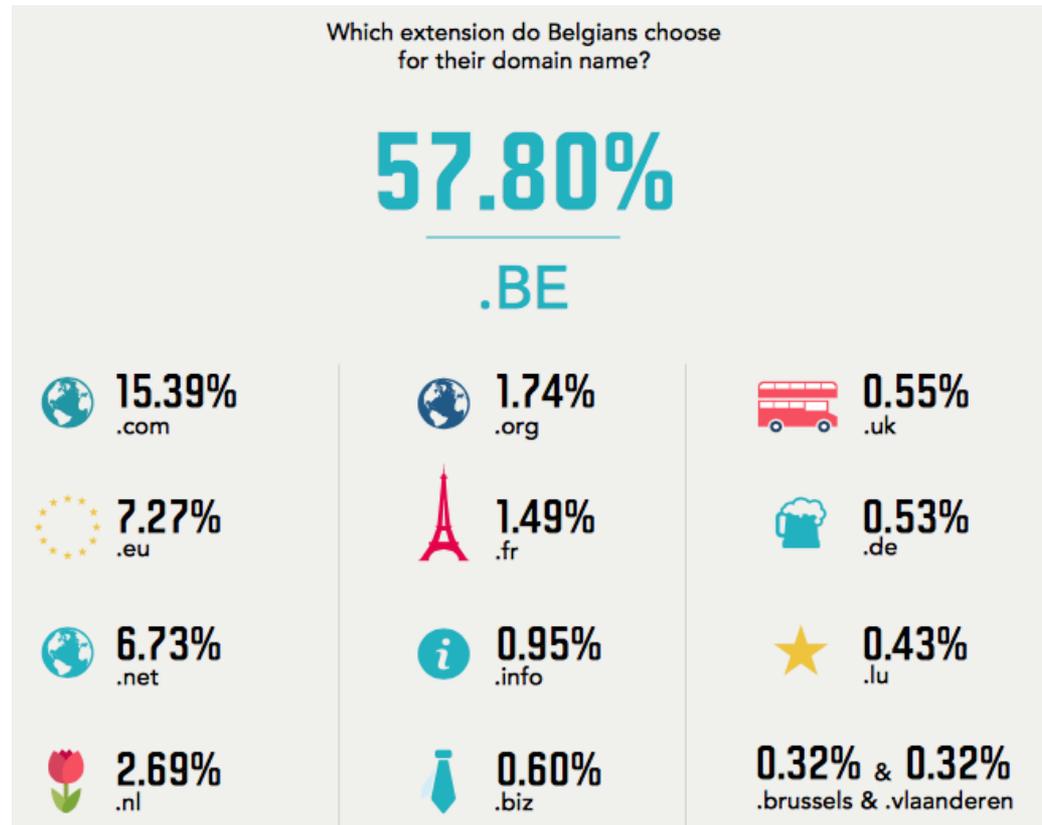
6 6 5 5
.vlaanderen

dnsbelgium

Introducing the Belgian-web

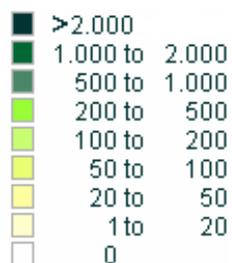
**FIGURES
FOR 2016**
dnsbelgium

dnsbelgium



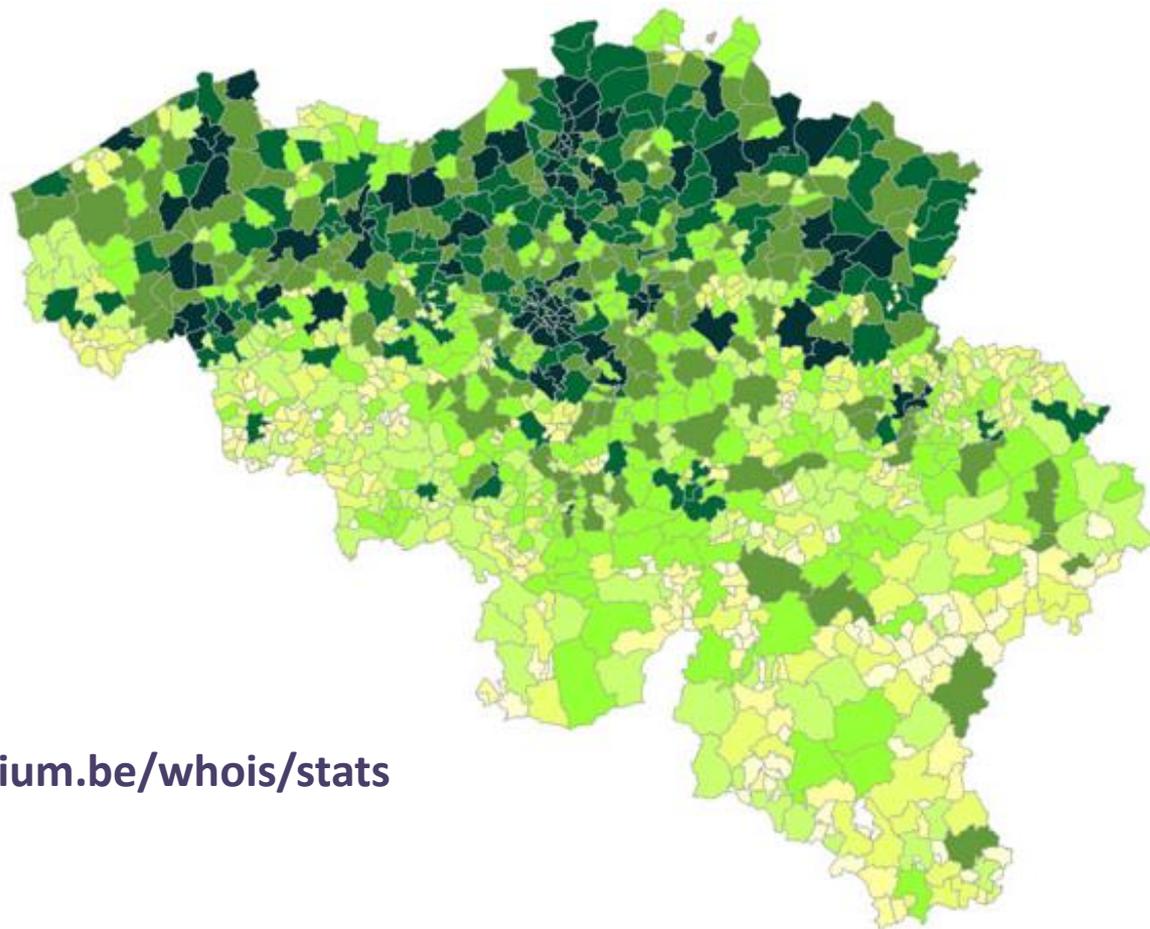
Introducing the Belgian web

Geographic Distribution



© *DNS Belgium vzw/asbl*

Source: <https://www.dnsbelgium.be/whois/stats>



PROMISE: PReserving Online Multiple Information: towards a Belgian StratEgy



24 month project financed by Belspo
Start Date: 1 June 2017

Royal Library of Belgium
(Project Coordinator)



Koninklijke Bibliotheek van België
Bibliothèque royale de Belgique

State Archives Belgium



Research Group for Media and ICT *and*
Ghent Centre for Digital Humanities

Research Centre on Information, Law & Society



Unité de Recherche et de Formation en Sciences de
l'Information et de la Documentation (URF-SID)



PROMISE: PReserving Online Multiple Information: towards a Belgian StratEgy

- a) Identify current best practices in web-archiving and apply them to the Belgian context**
- b) Pilot web-archiving in Belgium**
- c) Pilot access to (and use of) the pilot Belgian web archive for scientific research**
- d) Make recommendations for a sustainable web-archiving service for Belgium**

Challenges for web-archiving in Belgium



Koninklijke Bibliotheek van België
Bibliothèque royale de Belgique

Royal Library of Belgium

- Belgian legal deposit law (1965, 2008)
- Preserve all types of documents
 - a) Published in the Belgian territory
 - b) Published abroad by Belgians
- Websites as 'publications' (like books, periodicals etc)
- Once part of the legal deposit publications can not be removed
- Is web-archiving 'depositing'?
- Web-archiving has been added to the Royal Library's mission as of 25.12.2016



State Archives Belgium

- Federal law on archives (1955)
- Preserve documentary heritage of the federal public authorities
- Archival lifecycle (includes retention and destruction)
- Information produced by public authorities and published through digital media (internet, intranet extranet, social media)
- Web Archiving is part of the mission of the State Archives

PROMISE will address how the Royal Library and the State Archives will cooperate to fulfil their missions



Challenges for web-archiving in Belgium

- Belgium, a Federal State



- Regions



- Communities



Source:

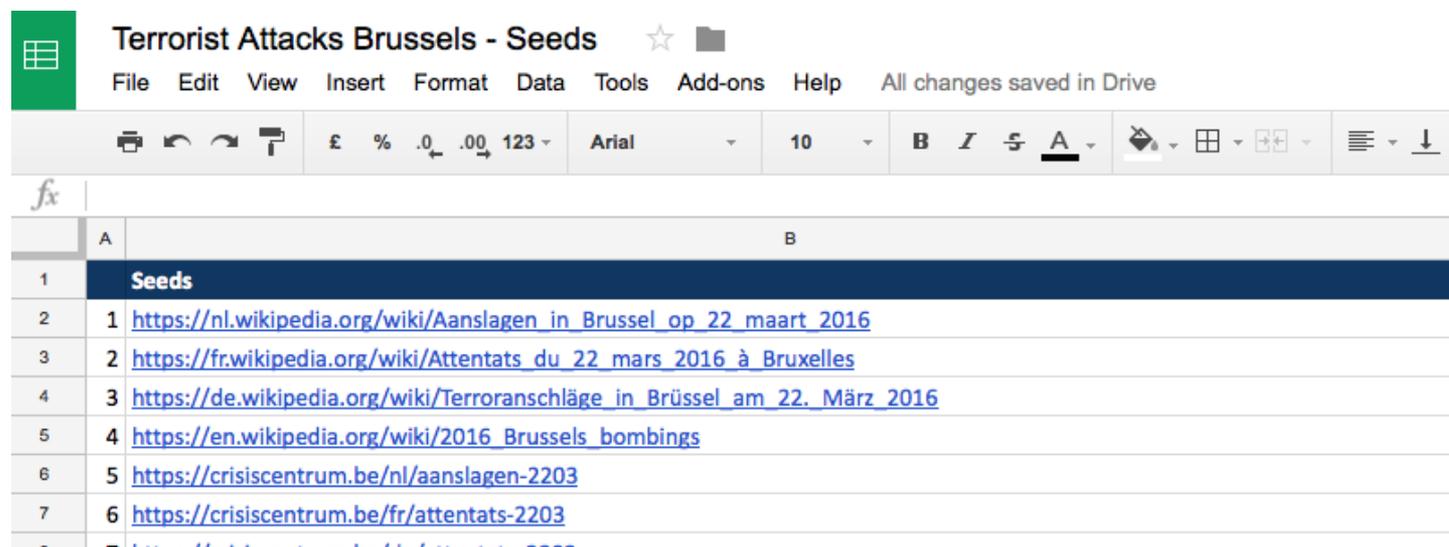
http://www.belgium.be/en/about_belgium/government/federale_staat



2. Brussels terrorist attacks, March 2016: piloting a special web-archive: set-up

Brussels attacks web-archive: set-up

1. Selecting the seeds

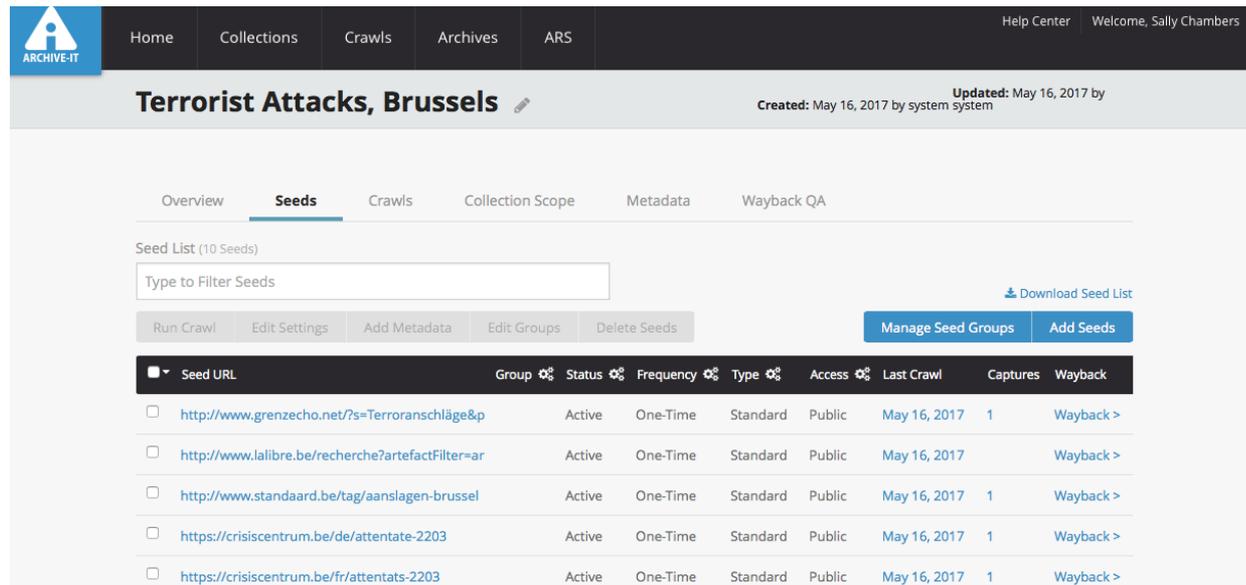


	A	B
1	Seeds	
2	1	https://nl.wikipedia.org/wiki/Aanslagen in Brussel op 22 maart 2016
3	2	https://fr.wikipedia.org/wiki/Attentats du 22 mars 2016 à Bruxelles
4	3	https://de.wikipedia.org/wiki/Terroranschläge in Brüssel am 22. März 2016
5	4	https://en.wikipedia.org/wiki/2016 Brussels bombings
6	5	https://crisiscentrum.be/nl/aanslagen-2203
7	6	https://crisiscentrum.be/fr/attentats-2203
8	7	https://crisiscentrum.be/de/attentats-2203

- **Wikipedia:** comparative source, multiple languages, extensive references
- **Crisis Centre Belgium:** Service of the Federal Government, content in multiple languages
- **Newspapers:** Cultural heritage content, multiple languages

Brussels attacks web-archive: set-up

2. Adding seeds to Archive-IT



The screenshot displays the Archive-IT web interface. At the top, there is a navigation bar with the Archive-IT logo and menu items: Home, Collections, Crawls, Archives, and ARS. On the right side of the navigation bar, there are links for 'Help Center' and 'Welcome, Sally Chambers'. Below the navigation bar, the main header shows the collection name 'Terrorist Attacks, Brussels' with a pencil icon, and the creation and update dates: 'Created: May 16, 2017 by system system' and 'Updated: May 16, 2017 by system system'. The main content area has several tabs: Overview, Seeds (selected), Crawls, Collection Scope, Metadata, and Wayback QA. Under the 'Seeds' tab, there is a 'Seed List (10 Seeds)' section with a search input field labeled 'Type to Filter Seeds' and a 'Download Seed List' button. Below the search field are buttons for 'Run Crawl', 'Edit Settings', 'Add Metadata', 'Edit Groups', and 'Delete Seeds'. To the right of these buttons are 'Manage Seed Groups' and 'Add Seeds' buttons. The main part of the page is a table with the following columns: Seed URL, Group, Status, Frequency, Type, Access, Last Crawl, Captures, and Wayback. The table contains five rows of seed URLs, all with a status of 'Active', a frequency of 'One-Time', and a type of 'Standard'. The 'Last Crawl' date for all seeds is 'May 16, 2017', and the 'Captures' count is '1' for each. The 'Wayback' column contains a 'Wayback >' link for each row.

Seed URL	Group	Status	Frequency	Type	Access	Last Crawl	Captures	Wayback
<input type="checkbox"/> http://www.grenzecho.net/?s=Terroranschläge&p		Active	One-Time	Standard	Public	May 16, 2017	1	Wayback >
<input type="checkbox"/> http://www.lalibre.be/recherche?artefactFilter=ar		Active	One-Time	Standard	Public	May 16, 2017		Wayback >
<input type="checkbox"/> http://www.standaard.be/tag/aanslagen-brussel		Active	One-Time	Standard	Public	May 16, 2017	1	Wayback >
<input type="checkbox"/> https://crisiscentrum.be/de/attentate-2203		Active	One-Time	Standard	Public	May 16, 2017	1	Wayback >
<input type="checkbox"/> https://crisiscentrum.be/fr/attentats-2203		Active	One-Time	Standard	Public	May 16, 2017	1	Wayback >

Archive-IT trial used for archive the collection

- Test the Archive-IT service
- Pilot setting-up a special web-archive collection

Brussels attacks web-archive: set-up

3. Preparing the crawl

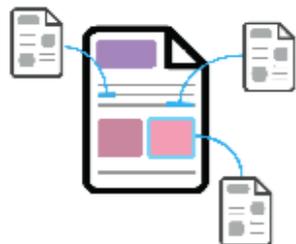
Standard



- Embedded content (images, stylesheets, javascript, etc) on your seed site's pages will be archived (whether or not they are *hosted* on the same site as the seed).
- Linked content outside of your seed site will not be captured, unless specified.

Brussels attacks: used for the majority of seeds

One Page +



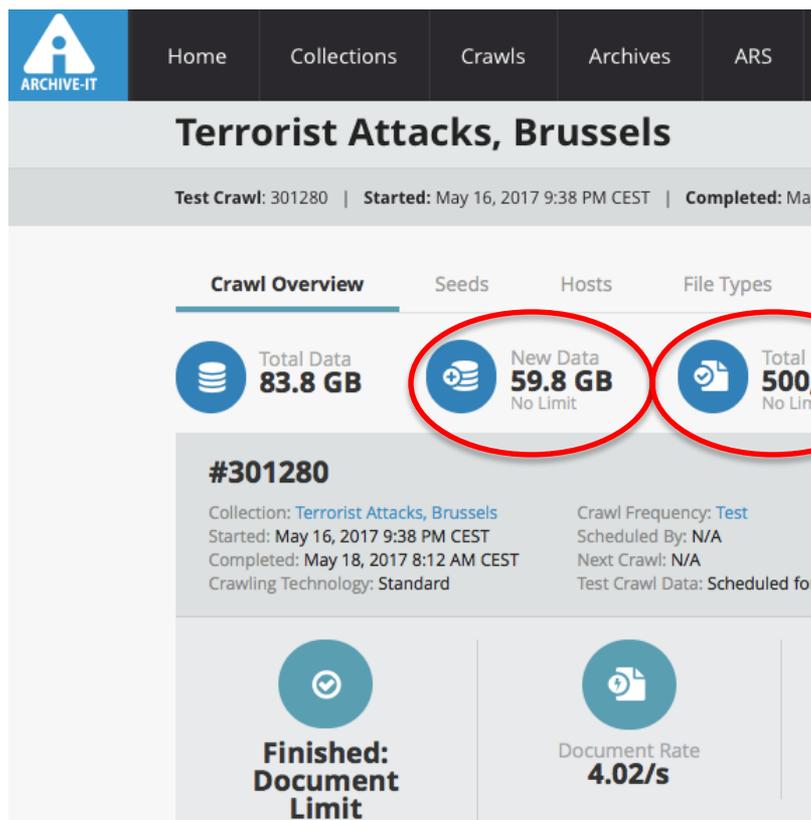
- **One Page Plus External Links (One Page +)** - The first page of your seed, as well as the first page of any URLs directly linked off of your seed, will be archived.

Brussels attacks: used for the wikipedia pages

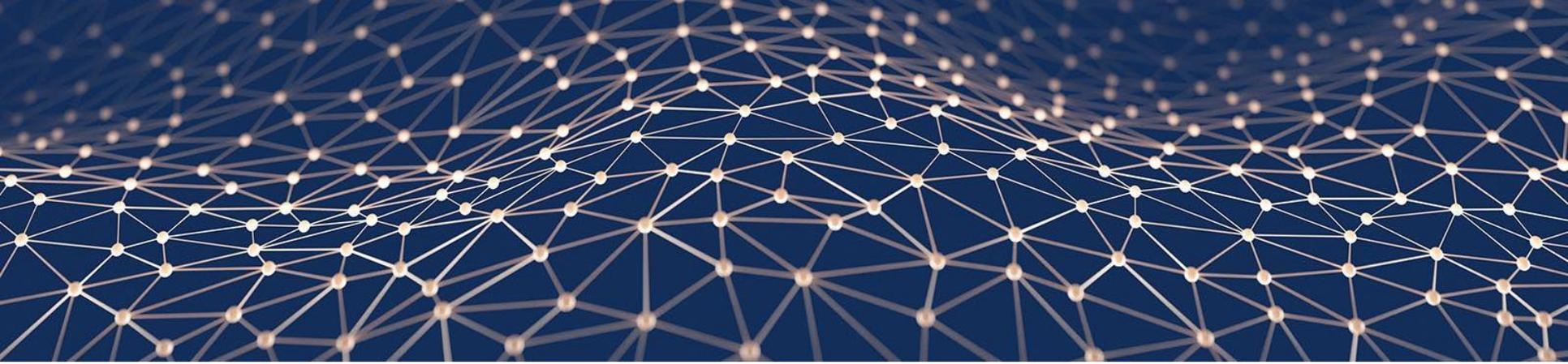
Source: <https://support.archive-it.org/hc/en-us/articles/208332843-Assign-and-edit-a-seed-type-#WhatareSeedTypesandHowdoweusethem>

Brussels attacks web-archive: set-up

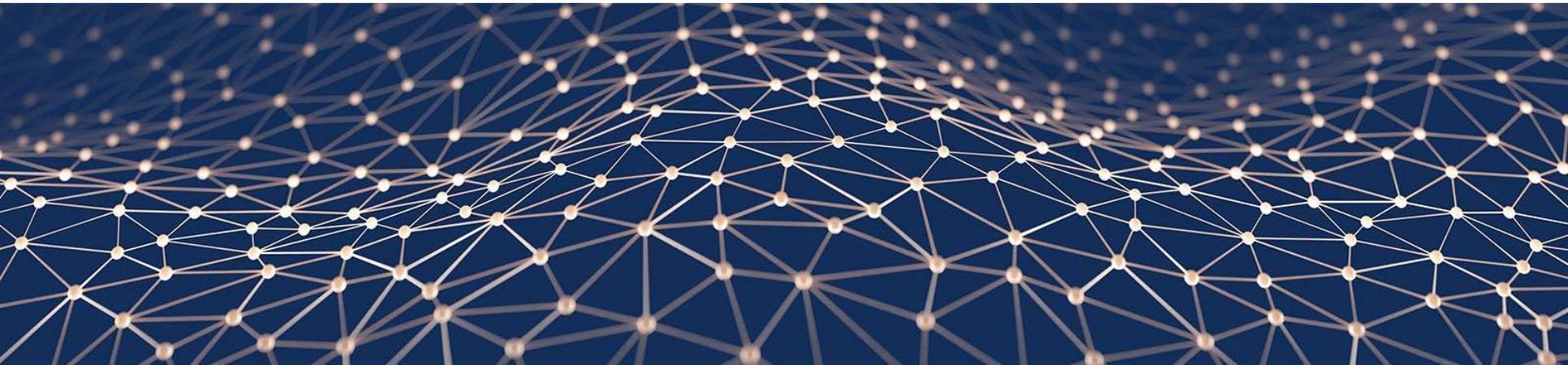
4. Crawl results



- **Data:** ca. 60 GB for 10 seeds! (De-duplicated)
- **Documents:** ca. 500,000 (document limit for a trial crawl)

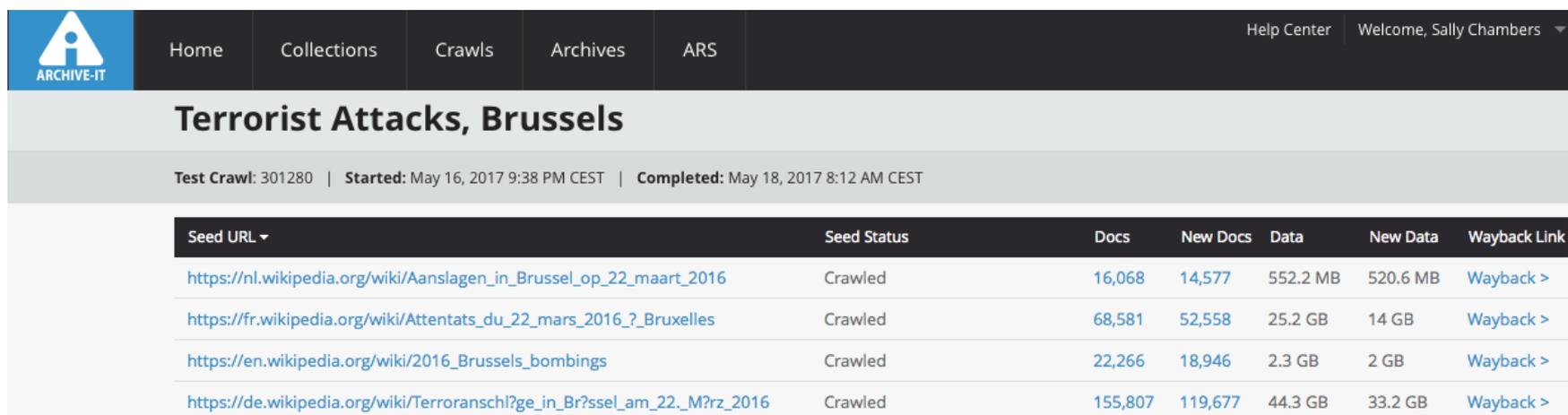


2. Brussels terrorist attacks, March 2016: piloting a special web-archive: evaluation



Brussels attacks web-archive: evaluation

1. Wikipedia pages



The screenshot shows the Archive-IT interface for a crawl titled "Terrorist Attacks, Brussels". The navigation bar includes "Home", "Collections", "Crawls", "Archives", and "ARS". The user is logged in as "Sally Chambers". The crawl status is "Test Crawl: 301280 | Started: May 16, 2017 9:38 PM CEST | Completed: May 18, 2017 8:12 AM CEST". A table below lists the seed URLs and their corresponding document counts and data sizes.

Seed URL	Seed Status	Docs	New Docs	Data	New Data	Wayback Link
https://nl.wikipedia.org/wiki/Aanslagen_in_Brusseel_op_22_maart_2016	Crawled	16,068	14,577	552.2 MB	520.6 MB	Wayback >
https://fr.wikipedia.org/wiki/Attentats_du_22_mars_2016_?_Bruxelles	Crawled	68,581	52,558	25.2 GB	14 GB	Wayback >
https://en.wikipedia.org/wiki/2016_Brussels_bombings	Crawled	22,266	18,946	2.3 GB	2 GB	Wayback >
https://de.wikipedia.org/wiki/Terroranschlag_in_Br?ssel_am_22_M?rz_2016	Crawled	155,807	119,677	44.3 GB	33.2 GB	Wayback >

Number of documents per language:

1st = German (119,677), 2nd = French (52,558),
3rd = English (18,946), 4th = Dutch (14,577)

Brussels attacks web-archive: evaluation

1. Wikipedia pages

You are viewing a temporarily archived web page, collected at the request of PROMISE using Archive-It. This page was captured in a test crawl on 19:38:20 May 16, 2017, run in the Terrorist Attacks, Brussels collection. If you would like this crawl to become part of your collection permanently, you will need to save it from the crawl report. The information on this web page may be out of date. See All versions of this archived page.

WIKIPEDIA
The Free Encyclopedia

2016 Brussels bombings

From Wikipedia, the free encyclopedia
Jump to: navigation, search

On the morning of March 22, 2016, three coordinated suicide bombings occurred in Belgium: two at Brussels Airport in Zaventem, and one at Maalbeek metro station in central Brussels.^[1] Thirty-two civilians and three perpetrators were killed, and more than 300 people were injured. Another bomb was found during a search of the airport. Islamic State of Iraq and the Levant (ISIL) claimed responsibility for the attacks.^[2]

The perpetrators belonged to a terrorist cell which had been involved in the November 2015 Paris attacks. The Brussels bombings happened shortly after

2016 Brussels bombings
Part of Wave of Terror in Europe (the spillover of the Syrian Civil War)



Map of the bombings in relation to each other
(1) 07:58 : Departure hall of Brussels Airport
(2) 09:11 : Maalbeek metro station

Location Brussels Airport in Zaventem and Maalbeek metro station in Brussels, Belgium

You are viewing a temporarily archived web page, collected at the request of PROMISE using Archive-It. This page was captured in a test crawl on 19:38:20 May 16, 2017, run in the Terrorist Attacks, Brussels collection. If you would like this crawl to become part of your collection permanently, you will need to save it from the crawl report. The information on this web page may be out of date. See All versions of this archived page.

WIKIPÉDIA
L'encyclopédie libre

Attentats du 22 mars 2016 à Bruxelles

Aller à: navigation, rechercher

Les attentats du 22 mars 2016 à Bruxelles dans la région de Bruxelles-Capitale et dans la province du Brabant flamand, en Belgique, désignent une série de trois attentats-suicide à la bombe : deux à l'aéroport de Bruxelles à Zaventem et le troisième à Bruxelles, dans une rame de métro roulant dans un tunnel proche de la station Maalbeek, dans le quartier européen. Le bilan définitif fait état de 32 morts (hors kamikazes) et 340 blessés.⁴

Ces attentats, revendiqués par l'organisation terroriste État islamique, sont les plus meurtriers commis jusqu'alors en Belgique. Les frères Ibrahim et Khalid El Bakraoui, originaires de la commune de Schaarbeek, proches de Salah Abdeslam, sont deux des auteurs de ces attentats, le premier s'étant fait exploser à l'aéroport de Bruxelles et le second dans la station de métro de Maalbeek. Najim Laachraoui⁵, également de Schaarbeek qui apparaît avoir tenu un rôle notable dans l'organisation des attentats de Paris le 13 novembre 2015, sous le faux nom de Soufiane Kayal, est identifié comme l'autre terroriste kamikaze qui s'est fait exploser dans le hall d'enregistrement de l'aéroport bruxellois. Mohamed Abrini, lui aussi impliqué dans les attentats de Paris, est identifié comme l'« homme au chapeau », le troisième terroriste de l'aéroport de Zaventem qui s'est enfui et qui a finalement été arrêté le 8 avril à Anderlecht.

L'enquête démontre que la même cellule terroriste islamiste franco-belge, constituée au départ autour d'Abdelhamid Abaaoud, a préparé, coordonné et commis les attentats de Paris le 13 novembre 2015 et ceux de Bruxelles le 22 mars 2016.

Attentats du 22 mars 2016 à Bruxelles



Image de vidéosurveillance des trois personnes responsables des attentats à l'aéroport de Zaventem. À gauche, Najim Laachraoui ; au centre, Ibrahim El Bakraoui ; à droite, Mohamed Abrini.



You are viewing a temporarily archived web page, collected at the request of PROMISE using Archive-It. This page was captured in a test crawl on 19:38:20 May 16, 2017, run in the Terrorist Attacks, Brussels collection. If you would like this crawl to become part of your collection permanently, you will need to save it from the crawl report. The information on this web page may be out of date. See All versions of this archived page.

WIKIPEDIA
De vrije encyclopedie

Aanslagen in Brussel op 22 maart 2016

Ga naar: navigatie, zoeken

Op 22 maart 2016 werden diverse **aanslagen in en rond Brussel** gepleegd waarbij in totaal 35 mensen om het leven kwamen.^[6] Het federaal parket sprak op 23 maart 2016 van 31 dodelijke slachtoffers en 270 gewonden van verschillende nationaliteiten.^[7] Op 29 maart werd het aantal dodelijke slachtoffers op 32 gebracht, waarvan 17 Belgen en 15 buitenlanders. Inclusief drie omgekomen daders komt het totaal aantal doden op 35. Het totaal aantal gewonden bedraagt ongeveer 340 personen.^[8]

De daders waren teruggekeerde Syriëgangers, geleiderd aan terreurgroep IS, dat de verantwoordelijkheid voor de aanslagen dezelfde dag nog opeiste.^[9] Het betrof dezelfde cel die ook verantwoordelijk was voor de aanslagen in Parijs van november 2015.^{[10][11]} Naast de drie omgekomen terroristen was er een vierde (Mohamed Abrini), die de luchthaven levend ontvluchtte, en een vijfde, die hulp bij de voorbereidingen.

Inhoud

- 1 Verloop van de aanslagen
- 1.1 Aanslagen op Brussels Airport
- 1.2 Aanslag in de Brusselse metro
- 2 Daders
- 2.1 Ibrahim El Bakraoui
- 2.2 Najim Laachraoui

Hulpmiddelen

Aanslagen in Brussel op 22 maart 2016



Voorgevel van de vertrekhal van Zaventem, die zwaar werd beschadigd^[1]

Plaats Zaventem en Brussel

Datum 22 maart 2016

Tijd 7.58 uur lokale tijd (Brussels Airport)
9.11 uur (metrostation Maalbeek)

Doelwit Burgers

You are viewing a temporarily archived web page, collected at the request of PROMISE using Archive-It. This page was captured in a test crawl on 19:38:20 May 16, 2017, run in the Terrorist Attacks, Brussels collection. If you would like this crawl to become part of your collection permanently, you will need to save it from the crawl report. The information on this web page may be out of date. See All versions of this archived page.

WIKIPEDIA
Die freie Enzyklopädie

Terroranschläge in Brüssel am 22. März 2016

Wechseln zu: Navigation, Suche

Die **Terroranschläge in Brüssel am 22. März 2016** waren Selbstmordattentate, die am Flughafen Brüssel-Zaventem (Provinz Flandisch-Brabant in Flandern) sowie in der Brüsseler Innenstadt (Region Brüssel-Hauptstadt) verübt wurden. Zu den Anschlägen bekannst sich laut einer ihr nahestehenden sogenannten Nachrichtenagentur die Terrororganisation „Islamischer Staat“ (IS).^{[1][2]} Am Morgen des 22. März 2016 sprengten sich zwei Terroristen am Flughafen Brüssel-Zaventem und ein weiterer in der Brüsseler Innenstadt im U-Bahnhof *Maalbeek/Maalbeek* in die Luft. Letzterer liegt in unmittelbarer Nähe zu Gebäuden einiger EU-Behörden, darunter der Europäischen Kommission.^[3] Nach offiziellen Angaben kamen 35 Menschen ums Leben, darunter drei der Attentäter, und mehr als 300 wurden verletzt.^[4]

Inhaltsverzeichnis

- 1 Tathergang
- 1.1 Anschlag am Flughafen Brüssel-Zaventem
- 1.2 Anschlag in der U-Bahn-Station Maalbeek/Maalbeek
- 1.3 Opferzahlen
- 2 Fahndung
- 2.1 Liste der Täter
- 3 Einzelheiten zu den mutmaßlichen Tätern



Die Anschlagorte in Belgien

Brussels attacks web-archive

1. Wikipedia pages: archived pages of the 1st reference

You are viewing a temporarily archived web page, collected at the request of PROMISE using Archive-It. This page was captured in a test crawl on 19:38:41 May 16, 2017, run in the Terrorist Attacks, Brussels collection. If you would like this crawl to become part of your collection permanently, you will need to save it from the crawl report. The information on this web page may be out of date. See All versions of this archived page.

Politik Schlagzeilen | Wetter | DAX 12.804,53 | TV-Programm | Abo

Nachrichten > Politik > Ausland > "Islamischer Staat" (IS) > Brüssel: islamischer Staat bekennt sich zu Anschlägen

Terror in Belgien

IS will für Anschläge in Brüssel verantwortlich sein

Bei den Terrorattentaten in Brüssel sind mehr als zwei Dutzend Menschen getötet worden - nun hat sich die IS-Terrormiliz zu den Anschlägen am Flughafen und in einer Metrostation bekannt.

You are viewing a temporarily archived web page, collected at the request of PROMISE using Archive-It. This page was captured in a test crawl on 19:41:53 May 16, 2017, run in the Terrorist Attacks, Brussels collection. If you would like this crawl to become part of your collection permanently, you will need to save it from the crawl report. The information on this web page may be out of date. See All versions of this archived page.

Newsweek

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WORLD

ISIS SUICIDE BOMBERS AT BRUSSELS AIRPORT 'TARGETED U.S. AIRLINE, JEWS'

BY JACK MOORE ON 1/24/17 AT 8:02 AM

Error setting up player: Invalid license key

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Attentats de Bruxelles: nouveau bilan provisoire de 300 blessés, dont 61 en soins intensifs et 4 non-identifiés

RÉDACTION EN LIGNE AVEC BELGA ET AFP Publié le mardi 22 mars 2016 à 12h27 - M à jour le jeudi 24 mars 2016 à 19h54

You are viewing a temporarily archived web page, collected at the request of PROMISE using Archive-It. This page was captured in a test crawl on 19:38:24 May 16, 2017, run in the Terrorist Attacks, Brussels collection. If you would like this crawl to become part of your collection permanently, you will need to save it from the crawl report. The information on this web page may be out of date. See All versions of this archived page.

HLN.BE | NIEUWS | REGIO | SPORT | SHOWBIZZ | NINA | Aanmelden

ZAVENTEM & omgeving

FAVORIEETE GEMEENTE 23°

ANDERE GEMEENTE

NIEUWS | IN BEELD | AGENDA | HLN LIVE

WONEN IN JE BUURT

WONEN IN JE BUURT

ZAVENTEM 30/03/2016 - 02u48

LUCHTHAVEN ZEGT NIET 'NEEN', MAAR HOUDT BOOT NOG EVEN AF

Al 1.000 vrijwilligers willen hulp bieden bij heropbouw vertrekhal

MACHELEN/ZAVENTEM 16/05/2017

App moedigt carpoolen aan

NOORDRAND 16/05/2017

Eerste spade drie tramtracés De Lijn in 2019 in de grond

Brussels attacks web-archive: evaluation

2. Crisis Centre Belgium

Seed URL ▾	Seed Status	Docs	New Docs	Data	New Data	Wayback Link
https://crisiscentrum.be/nl/aanslagen-2203	Crawled	1,792	1,712	169.9 MB	168.8 MB	Wayback >
https://crisiscentrum.be/fr/attentats-2203	Crawled	1,114	1,053	35 MB	34.1 MB	Wayback >
https://crisiscentrum.be/de/attentate-2203	Crawled	529	491	8.1 MB	7.4 MB	Wayback >

Host	Docs	New Docs	Data ▾	New Data	Blocked	Queued	Out of Scope
r6---sn-a5mlrn7d.googlevideo.com	1	1	57.7 MB	57.7 MB	0	0	0
r5---sn-a5meknl6.googlevideo.com	1	1	50.6 MB	50.6 MB	0	0	0
crisiscentrum.be	1,733	1,669	35.5 MB	34.5 MB	155	0	0

Host	Docs	New Docs	Data ▾	New Data	Blocked	Queued	Out of Scope
crisiscentrum.be	523	490	7.9 MB	7.3 MB	50	0	0
maps.googleapis.com	1	1	75.9 KB	75.9 KB	0	0	0
fonts.gstatic.com	3	0	48.6 KB	0 bytes	0	0	0
www.google-analytics.com	1	0	29.7 KB	0 bytes	0	0	0
fonts.googleapis.com	1	0	2.6 KB	0 bytes	0	0	0

Brussels attacks web-archive: evaluation

2. Crisis Centre Belgium

You are viewing a temporarily archived web page, collected at the request of PROMISE using Archive-It. This page was captured in a test crawl on 19:38:43 May 16, 2017, run in the Terrorist Attacks, Brussels collection. If you would like this crawl to become part of your collection permanently, you will need to save it from the crawl report. The information on this web page may be out of date. See All versions of this archived page.

Overslaan en naar de inhoud gaan

Andere informatie en diensten van de overheid: www.belgium.be

ibz Crisiscentrum

Over Crisiscentrum | Nieuws | Contact

Home Aanslagen 22.03 Openbare veiligheid Noodplanning Crisis

Zoekens: [Aler au contenu principal](#)

Autres informations et services officiels: www.belgium.be

Home > Aanslagen 22.03

Aanslagen 22.03

Omgaan met schokkende gebeurtenis



Hoe kunnen we na de tragische gebeurtenissen op dinsdag 22 maart 2016 ons leven terug zo normaal mogelijk oppikken? Hoe omgaan met de gevolgen van een aanslag?

ibz Crisiscentrum

FormAndere officiële Informationen und Dienste: www.belgium.be

Rechercher :

Accueil Attentats 22.03 Sécurité publique Planification

Über Krisenzentrum | Nachricht | Kontakt

Suchformular

Suchen:

Home Attentate 22.03 Sicherheit im Alltag Noteinsatzplanung Krisenmanagement Dokumentation

Startseite > Attentate 22.03

Attentate 22.03

Faire face à des évènements choquants



Après ces évènements tragiques, comment tenter de reprendre une vie la plus normale possible ? Comment faire face aux conséquences d'un attentat ?

Persönliche Gegenstände



Wie können die im Flughafen oder in der U-Bahnstation gebliebenen persönlichen Gegenstände bewältigen?

Bewältigung schockierender Ereignisse



Wie ein soweit wie möglich normales Leben nach diesen tragischen Ereignissen führen? Wie die Folgen der Attentate bewältigen?

Brussels attacks web-archive

3. Newspapers

Seed URL ▾	Seed Status	Docs	New Docs	Data	New Data	Wayback Link
http://www.grenzecho.net/?s=Terroranschlage&post_type=&after=22.03.2016&be	Crawled	58,157	56,802	7.6 GB	7.5 GB	Wayback >
http://www.standaard.be/tag/aanslagen-brussel	Crawled	175,696	113,459	3.7 GB	2.3 GB	Wayback >
http://www.lalibre.be/recherche?artefactFilter=article%2Cfolder%2Cgallery%2Cvic	Not crawled (blocked by robots)	3	3	802 bytes	802 bytes	

You are viewing a temporarily archived web page, collected at the request of PROMISE using Archive-It. This page was captured in a test crawl on 19:38:20 May 16, 2017, run in the Terrorist Attacks, Brussels collection. If you would like this crawl to become part of your collection permanently, you will need to save it from the crawl report. The information on this web page may be out of date. See All versions of this archived page.

HOME > AANSLAGEN BRUSSEL

1 JAAR LATER
AANSLAGEN 22 MAART

04/05/2017
Het mandaat van de soldaat: de kazerne of de straat?

De 'militair op straat', hij staat permanent onder druk. Should he stay or should he go? Hij zorgt niet voor extra capaciteit voor de politie, maar is hij daarom nutteloos? 'Het doel is...

Tags: Comité P, Aanslagen Brussel, Defensie, Terreur in België

Videogetuigenis. 'Niemand zou zoveel moeten lijden'

SINNENLAND Karen Northshield (31) is het enige slachtoffer dat het ziekenhuis één jaar na de aanslagen

ANMELDEN E-Paper / Archiv Abo Apéro Immo Job Familienanzeigen Veranstaltungen Notdienste Werbung K

GRENEZCHO Region Politik Sport Meinung Community Fotos & Videos GE+

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Start / Sie haben gesucht nach "Terroranschläge"

Suchergebnisse für Terroranschläge

Suchbegriff eingeben

Terroranschläge

Typ - Beliebig - Von 22.03.2016 Bis 01.04.2016

Sortieren nach Relevanz / Datum (absteigend) / Datum (aufsteigend)

1. April 2016
TV-Magazin - 01.04.2016 - Seite 20

Archiv
Hier können Sie die aktuelle Tagesausgabe als blätterbares E-Paper oder PDF lesen.
Das E-Paper-Archiv im PDF-Format reicht bis zum Jahr 1945 zurück. Einzelartikel können bis zum Jahr 1996 durchsucht werden.
Wählen Sie entweder eine Ausgabe nach Datum oder geben Sie einen Suchbegriff ein, um nach einer bestimmten Seite / Artikel zu suchen.
Fragen zum PDF-Archiv? Schreiben Sie eine Mail an archiv@grenzecho.be.

GE+
Abo

... many of the wikipedia references are also newspaper articles



3. Research access and use of the special web-archive

From preservation via access to research-use



INTERNATIONAL
INTERNET
PRESERVATION
CONSORTIUM

Preservation

The intent of web archiving is to preserve the original form of the harvested content without modification. To achieve this goal the tools, standards, policies and best practices need to be in place that will ensure the management of web archives over time.

Access

Web archives are born-digital collections that require special software tools for their use. Researchers can view archived web sites page-by-page or whole collections can be processed as data, revealing broad characteristics of the collections.

... and research-use is *beyond* access

<http://netpreserve.org/web-archiving/about-archiving>

Accessing the archived web: Wayback Machine

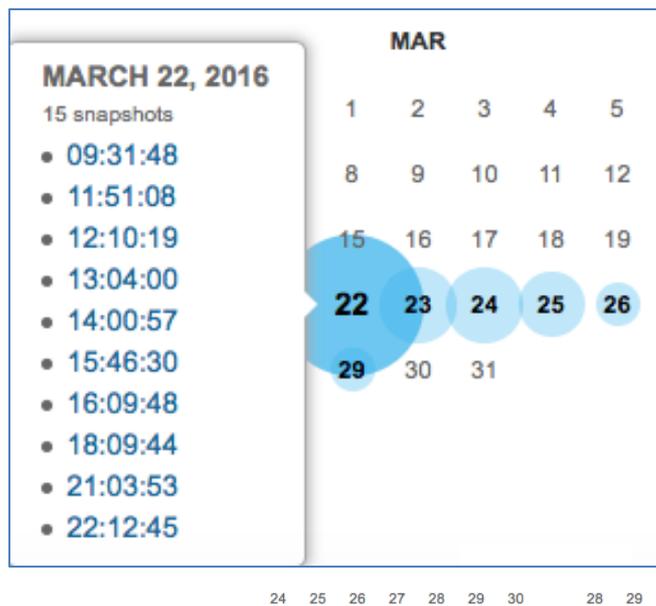


en.wikipedia.org/wiki/2016_Brussels_bombings



Feedback

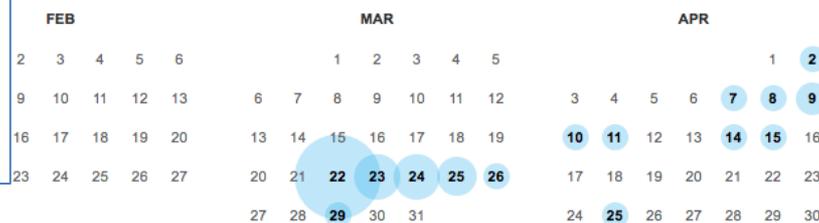
Explore more than 284 billion [web pages](#) saved over time



saved 66 times between March 22, 2016 and June 3, 2017.

[Summary of en.wikipedia.org](#)

DAY. Your generosity preserves knowledge for future generations. Thank you.



Accessing the archived web: Archive-IT Collections



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The leading web archiving service
for collecting and accessing
cultural heritage on the web
Built at the Internet Archive



Explore >> Ghent University >> De Krook, Ghent - Opening weekend , 10 12 March 2017



De Krook, Ghent - Opening weekend , 10 12 March 2017
Collected by: [Ghent University](#)
Archived since: Mar, 2017
Description: De Krook opening weekend is a collection of websites archived around the opening weekend of De Krook: the public library and digital innovation centre in Ghent, Belgium. The collection includes De Krook website, its social media channels (e.g. twitter, facebook, instagram and youtube) and the websites of the organisations which will be located in De Krook. Additionally, the collection includes media coverage about the opening from newspapers, professional associations and other related organisations. Tourist information as well as general social media coverage related to Ghent is included. Attention has been paid to gathering information in the official languages of Belgium: Dutch, French and German as well as English content.
Subject: [Universities & Libraries](#)

<https://archive-it.org/collections/8642>

Distributed Belgian web-archive?



arch/ive/ief (2000 - 2005) Home About Indymedia.be

Communiqué du collectif Indymedia Nantes

by IMC Nantes *Sunday, Oct. 31, 2004 at 5:48 PM*

Le site indymedia nantes (<http://nantes.indymedia.org>) est de retour, la saisie du serveur qui l'hébergeait est indépendante de notre volonté. Elle résulte, sans doute, de l'action conjointe des gouvernements suisses, anglais, américains et italiens qui nient cependant toutes participations à cette saisie.

A l'heure où nous écrivons ce communiqué, les raisons de la saisie des serveurs anglais du réseau Indymedia demeurent obscures. Nous nous retrouvons dans la situation invraisemblable d'être l'objet d'une attaque des autorités gouvernementales citées précédemment sans en connaître ni la raison, ni le but.

Deux pistes, sans doute complémentaires, s'offrent à nous. Il pourrait s'agir d'une attaque provenant des autorités suisses. En effet, une plainte contre X a été déposée à Genève, suite à la publication sur notre site de photos de deux individus, prenant la pose, présentés comme policiers membres de la cellule anti-G8. Le FBI était intervenu auprès de notre Fournisseur d'accès internet (voir <http://boycott-rackspace.com>) pour nous demander de retirer cette contribution. La seconde piste proviendrait d'Italie. En effet, l'Alliance Nationale (un parti d'extrême droite au pouvoir) a déposé plainte contre Indymedia Italie suite à la publication de texte anti-militariste. D'autre part, le parquet de Bologne a demandé une commission rogatoire à propos des communiqués publiés par la Fédération Anarchiste Informelle sur le site IMC Italie. Cependant le parquet de Bologne ne semble pas avoir demandé la saisie des serveurs.

Source: <http://collection.amsab.be/10796/7DD4D6BB-868D-49C9-BCDC-39431D3FE2B0>

RESAW/IIPC conference, London, 14-16 June 2017

Brussels attacks: combining web-archives with other source material



Brussels City Archive: Archive of messages from the Beursplein

<https://www.vvbad.be/meta/meta-nummer-20173>

RESAW/IIPC conference, London, 14-16 June 2017

Research access to the web-archive: data-level access

Access to the WARC Files

Download (WARC File)

Partner Guide to Downloading Archive-It Data



Karl-Rainer Blumenthal

Updated 1 month ago

Follow

Why download my data?

Downloading the archives that you build through our service allows you to:

- ✓ Access the WARC files in your collections directly and provide them to researchers
- ✓ Analyze the WARCs in order to generate custom reports and/or visualizations
- ✓ Provide local, restricted access to web archives not made publicly visible through Archive-It
- ✓ Preserve the WARC files locally at your home institution
- ✓ Preserve the WARC files using a third party system

<https://support.archive-it.org/hc/en-us/articles/209643793-Partner-Guide-to-Downloading-Archive-It-Data>

Research access to the web-archive: Digital tools for analysing WARC files?



We've come to the
**RESAW/IIPC Conference for
inspiration!**

Image source: https://i.kinja-img.com/gawker-media/image/upload/s--81q3KULC--/c_scale,fl_progressive,q_80,w_800/18l3xnevn129ujpg.jpg

RESAW/IIPC conference, London, 14-16 June 2017

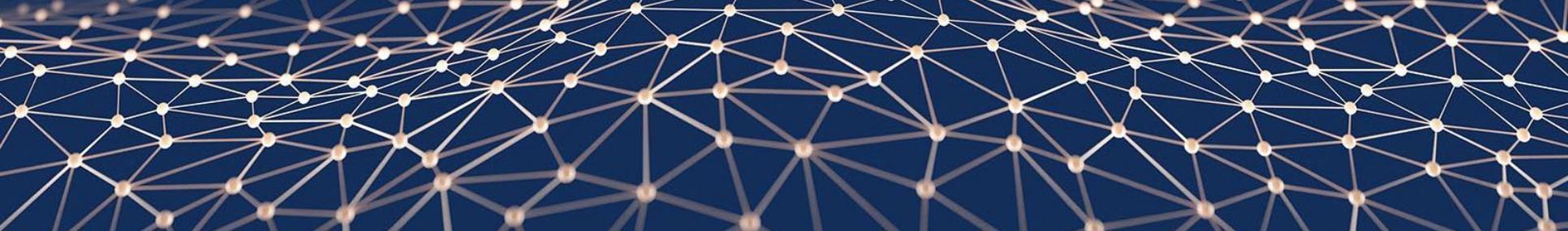


Image source: https://www.forcepoint.com/sites/default/files/styles/hero_image/public/product_landscapes/cropped-_0000s_0008_websense-webfilter.jpg?itok=KZaTBKMq

Thank you! Dank u! Merci! Danke!



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Koninklijke Bibliotheek van België
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