

Mapping the Palestinian Web Space

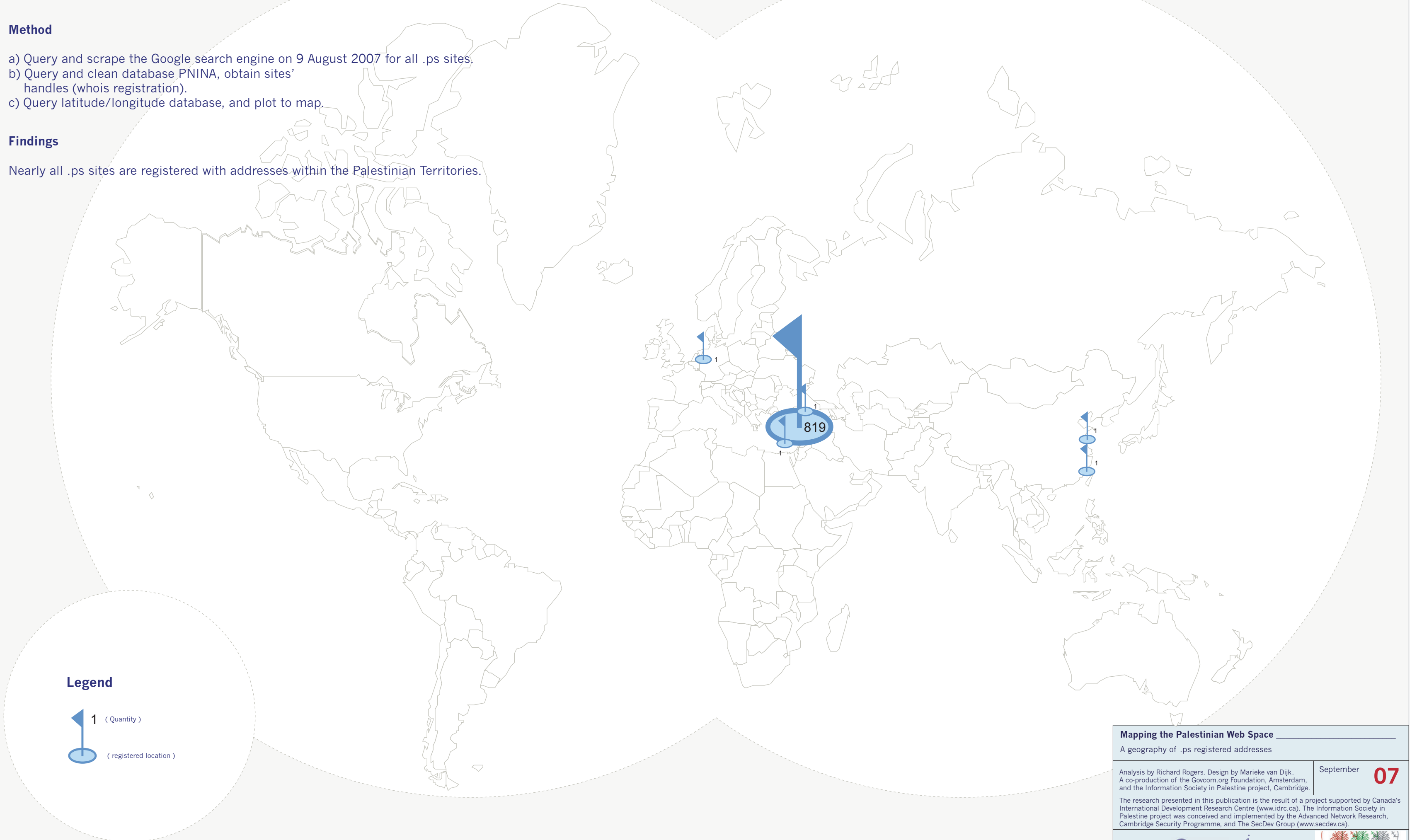
A geography of .ps registered addresses

Method

- Query and scrape the Google search engine on 9 August 2007 for all .ps sites.
- Query and clean database PNINA, obtain sites' handles (whois registration).
- Query latitude/longitude database, and plot to map.

Findings

Nearly all .ps sites are registered with addresses within the Palestinian Territories.



Legend

- 1 (Quantity)
- (registered location)

Mapping the Palestinian Web Space	
A geography of .ps registered addresses	
Analysis by Richard Rogers. Design by Marieke van Dijk. A co-production of the Govcom.org Foundation, Amsterdam, and the Information Society in Palestine project, Cambridge.	September 07
The research presented in this publication is the result of a project supported by Canada's International Development Research Centre (www.idrc.ca). The Information Society in Palestine project was conceived and implemented by the Advanced Network Research, Cambridge Security Programme, and The SecDev Group (www.secdev.ca).	
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Mapping the Palestinian Web Space

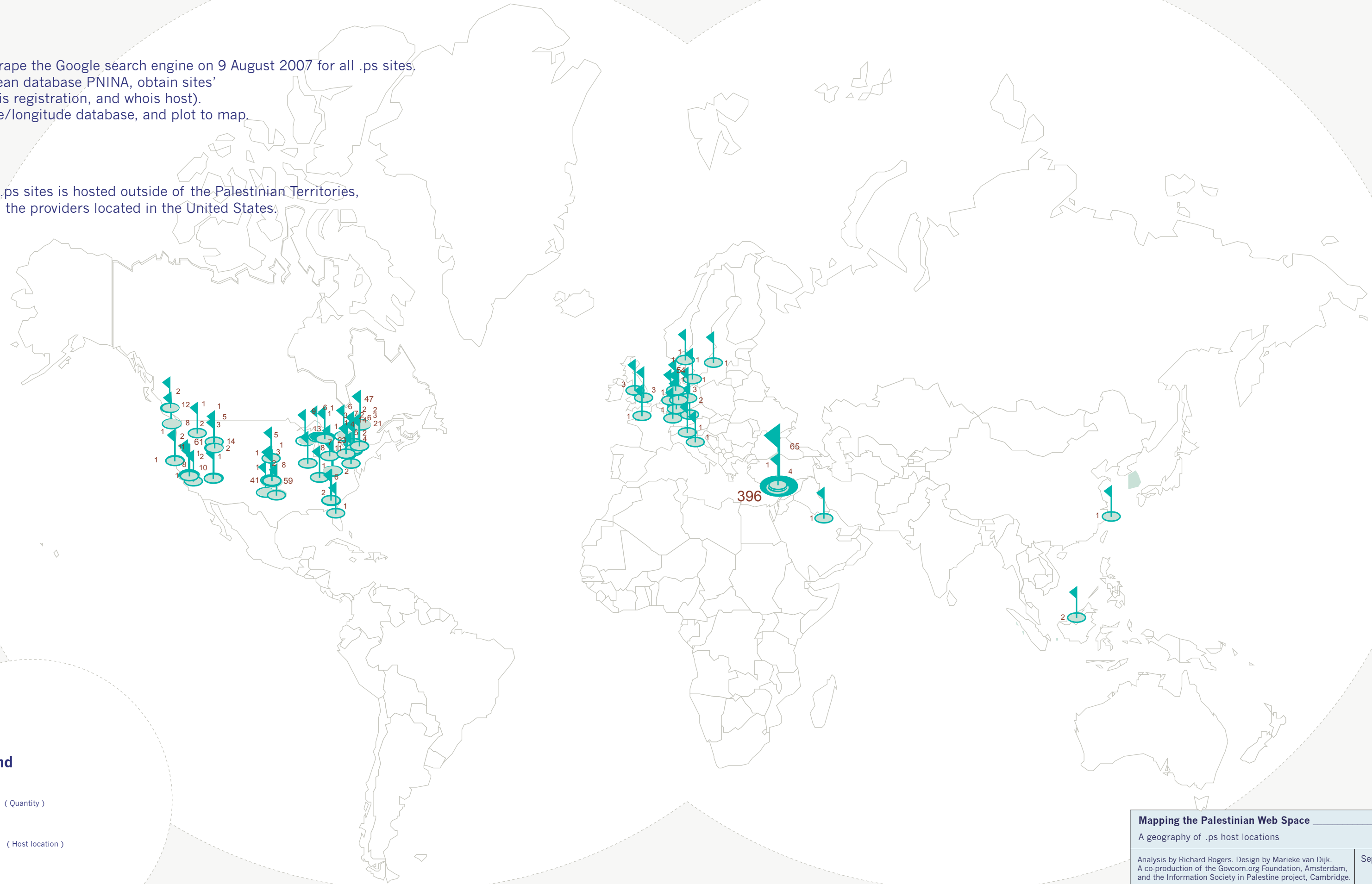
A geography of .ps host locations

Method

- Query and scrape the Google search engine on 9 August 2007 for all .ps sites.
- Query and clean database PNINA, obtain sites' handles (whois registration, and whois host).
- Query latitude/longitude database, and plot to map.

Findings

The majority of .ps sites is hosted outside of the Palestinian Territories, with over half of the providers located in the United States.



Legend

-  1 (Quantity)
-  (Host location)

Mapping the Palestinian Web Space

A geography of .ps host locations

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Mapping the Palestinian Web Space

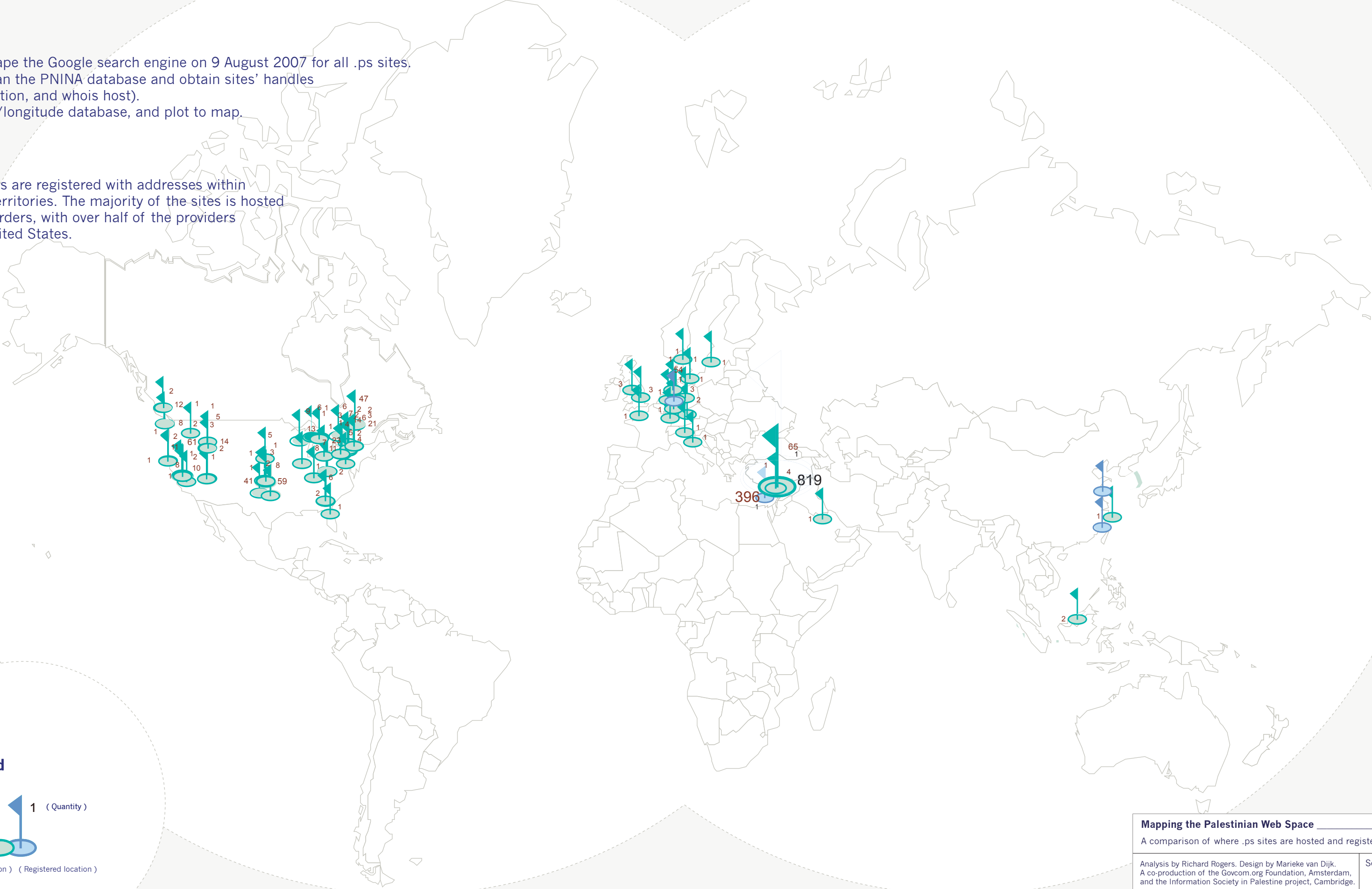
A comparison of where .ps sites are hosted and registered

Method

- a) Query and scrape the Google search engine on 9 August 2007 for all .ps sites.
- b) Query and clean the PNINA database and obtain sites' handles (whois registration, and whois host).
- c) Query latitude/longitude database, and plot to map.

Findings

Nearly all .ps sites are registered with addresses within the Palestinian Territories. The majority of the sites is hosted outside of the borders, with over half of the providers located in the United States.



Legend

1 1 (Quantity)
 (Host location) (Registered location)

Mapping the Palestinian Web Space A comparison of where .ps sites are hosted and registered	
Analysis by Richard Rogers. Design by Marieke van Dijk. A co-production of the Govcom.org Foundation, Amsterdam, and the Information Society in Palestine project, Cambridge.	September 07
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Migration to .ps?

The degree of migration of Palestinian websites to the .ps domain

Method To determine degree of migration, append .ps and all .ps second-level domains (e.g., .com.ps, .edu.ps) to the Palestinian domain names in the historical Birzeit University Complete Guide to Palestine's Websites, and fetch connection stats.

Migrated

http://www.acrossborders.ps
 http://www.al-ayyam.ps
 http://www.pal-chambers.ps
 http://www.palgate.ps
 http://www.pna.gov.ps

Migrated & Sustained

http://www.pecdar.org
 http://www.pecdar.ps

Duplicated & Sustained

http://www.alburaq.net
 http://www.alburaq.ps
 http://www.alyasmeen.com
 http://www.alyasmeen.com.ps
 http://www.arj.org
 http://www.arj.ps
 http://www.birzeit.edu
 http://www.birzeit.edu.ps
 http://www.birzeit.edu
 http://www.birzeit.ps
 http://www.birzeit.edu.ps
 http://www.palnet.com
 http://www.palnet.ps
 http://www.paltrade.org
 http://www.paltrade.ps

Reserved

http://www.amin.ps
 http://www.dair.plo.ps
 http://www.nawras.ps
 http://www.pecdar.gov.ps
 http://www.p-o.l.ps

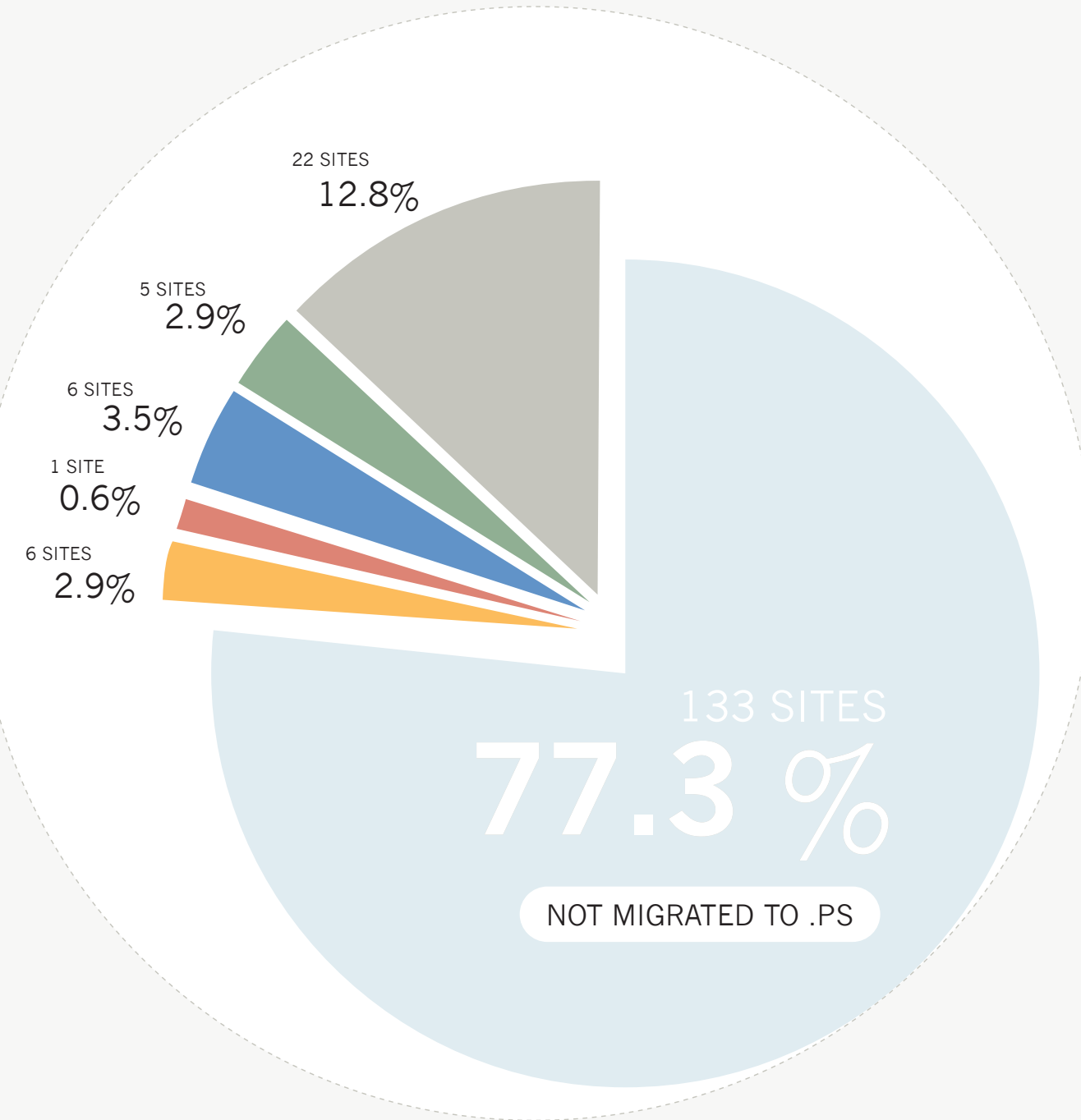
Offline

http://www.ahli.org
 http://www.palestine4ever.homestead.com
 http://www.humanityonhold.com
 http://www.padico.com
 http://www.a-asa.org
 http://www.bethlehemhotels.org
 http://www.bzu-mrc.org
 http://www.doctor.medscape.com
 http://www.gov.palestine.int
 http://www.healthworkcommittees.org
 http://www.home.birzeit.edu
 http://www.lawcenter.birzeit.edu
 http://www.musabudeiri.freemove.co.uk
 http://www.pna.net
 http://www.tor-pw1.netcom.ca
 http://www.arabcare.com
 http://www.emad.net
 http://www.accessone.com
 http://www.hally.net
 http://www.shaml.org
 http://www.sofnet.co.il
 http://www.pal-ednet.org

Not migrated

http://www.abunimah.org
 http://www.addameer.org
 http://www.afip.org
 http://www.aim-palestine.com
 http://www.al-bireh.org
 http://www.al-carma.com
 http://www.alami.net
 http://www.albardauni.com
 http://www.alesteqlal.com
 http://www.alhayat-j.com
 http://www.alkarmel.org
 http://www.alquds.com
 http://www.alquds.net
 http://www.alrazy.net
 http://www.alrouah.com
 http://www.americancolony.com
 http://www.angelfire.com
 http://www.annadwa.org
 http://www.apic-pal.com
 http://www.aqaria.com
 http://www.arts.mcgill.ca
 http://www.art-media.com
 http://www.ashtar-theatre.org
 http://www.assali.com
 http://www.baboun.com
 http://www.baha-cartoon.net
 http://www.bailasan.com
 http://www.baraka.org
 http://www.bethlehem2000.org
 http://www.birzeitsociety.org
 http://www.bitterlemons.org
 http://www.brooknorth.com
 http://www.cityinn-hotel.com
 http://www.commodore-jer.com
 http://www.compunet-jer.com
 http://www.cprs-palestine.org
 http://www.east-jerusalem-ymca.org
 http://www.engdesign.co.uk
 http://www.eyad.com
 http://www.fortunecity.com
 http://www.gamasoft.com
 http://www.gazavillage.com
 http://www.gcmhp.net
 http://www.geocities.com
 http://www.grandpark.com
 http://www.grishmawi.webjump.com
 http://www.gsecc.com
 http://www.guidingstarltd.com
 http://www.hadisoft.com
 http://www.hanania.com
 http://www.hdip.org
 http://www.hebronet.com
 http://www.intertech-pal.com
 http://www.ipcri.org
 http://www.ipsjps.org
 http://www.israel.org
 http://www.j-c-w.org
 http://www.jericho-resort.com
 http://www.jerusalem-meridian.com
 http://www.jerusalem-times.com
 http://www.jerusalemites.org
 http://www.jmcc.org
 http://www.jqf-jerusalem.org
 http://www.jrol.com
 http://www.jrsczar.com
 http://www.jrshotel.com
 http://www.jwu.org
 http://www.law-amro.com
 http://www.maan-ctr.org
 http://www.mcs-palestine.com
 http://www.members.tripod.com
 http://www.miftah.org
 http://www.mirc.co.uk
 http://www.mohe.gov.ps
 http://www.mol.gov.ps
 http://www.mtolives.com
 http://www.multaqa.org
 http://www.muntada.org
 http://www.muwatin.org
 http://www.nablus.org
 http://www.nad-plo.org
 http://www.nativity-hotel.com
 http://www.noon-cqs.org
 http://www.odaction.org
 http://www.oppc.pna.net
 http://www.p-i-s.com
 http://www.p-s-e.com
 http://www.pal-arc.org
 http://www.pal-soft.com
 http://www.palecon.org
 http://www.palesta.net
 http://www.palestine-net.com
 http://www.palestine-pdp.org
 http://www.palestine-un.org
 http://www.palestinecenter.org
 http://www.palestinehotels.com
 http://www.palestinian-rights.org
 http://www.palestinian.net
 http://www.palestinianair.com
 http://www.palestinianpottery.com
 http://www.palseek.com
 http://www.papp.undp.org
 http://www.passia.org
 http://www.patg.org
 http://www.pilgrimpal.com
 http://www.planet.edu
 http://www.popularartcentre.org
 http://www.qalqilya.com
 http://www.qattanfoundation.org
 http://www.rama-intl.com
 http://www.ramallah-city.org
 http://www.ramallahgrandpark.com
 http://www.ramallahonline.com
 http://www.ramgov.org
 http://www.rapprochement.org
 http://www.rawdat.org
 http://www.riwaq.org
 http://www.sabeel.org
 http://www.sakakini.org
 http://www.samaproduction.com
 http://www.shammout.com
 http://www.sirreyeh.org
 http://www.surf.to

Findings In December 2002 there were 172 unique hosts on the Palestinian Web, according to Birzeit University (source: archive.org for birzeit.edu/link). Only 2.9% (5 Websites) of all 2002 Palestinian Websites has migrated to .ps and left the original domain. 0.6% (1 Website) has migrated, but sustained the original domain with different content. 3.5% (6 Websites) duplicated the Website in .ps and sustained the original domain. 2.9% (5 Websites) reserved the .ps domain, but have not activated it. 12.8% (22 Websites) from the pre-.ps Web have ceased to exist and are no longer online. 77.3% (133 Websites) did not migrate.



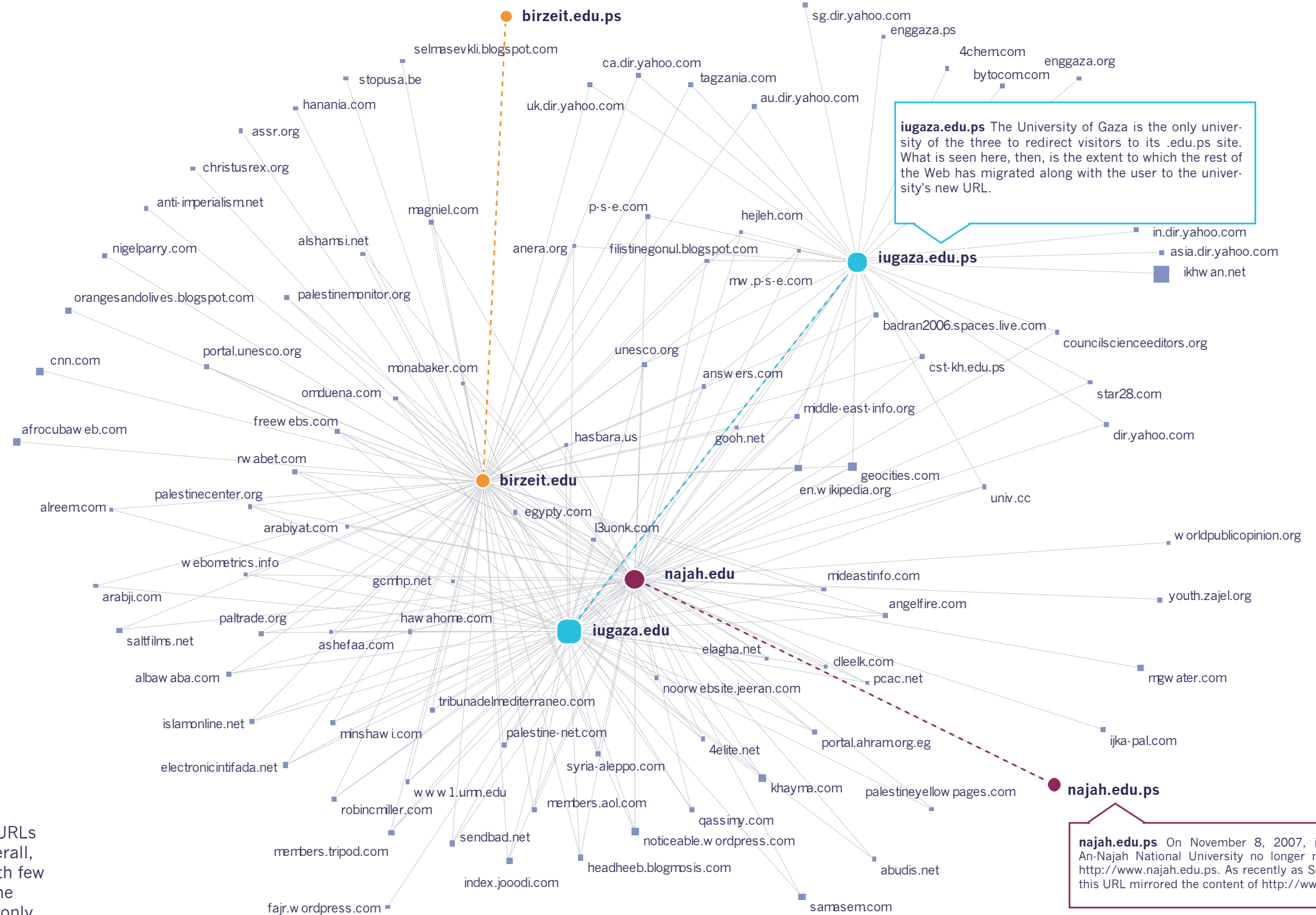
Migration of .edu to .edu.ps: Three universities compared

birzeit.edu.ps Birzeit University mirrors the content of <http://www.birzeit.edu> on its .ps site (but does not redirect to it). Attempting to account for the lack of recognition of the .ps version of the site, researchers pointed to two explanations. Locally, there is the problem of updating link lists. This resurfaces at an aggregate level as well, since the top search engine returns for the queries "Birzeit" and "Birzeit university" are .edu pages rather than .edu.ps.

The fate of <http://www.birzeit.edu.ps> looks uncertain. Whereas it was found that Yahoo indexed thirteen links to the URL in September 2007, two months later the same query produces zero results.

iugaza.edu.ps The University of Gaza is the only university of the three to redirect visitors to its .edu.ps site. What is seen here, then, is the extent to which the rest of the Web has migrated along with the user to the university's new URL.

najah.edu.ps On November 8, 2007, it was found that An-Najah National University no longer maintains the URL <http://www.najah.edu.ps>. As recently as September 7, 2007, this URL mirrored the content of <http://www.najah.edu>.



Question What happens when Palestinian institutions relocate to the .ps domain; at what point may they be said to have 'arrived', and relatedly, to what extent are they 'followed' by their networks?

Method Chart inlinks to both the .edu and .edu.ps sites for all universities, and zoom in on three major universities: the Islamic University of Gaza, Birzeit University and An-Najah National University.

Findings The three universities maintain both .edu and .edu.ps URLs for their respective websites. Overall, the .edu.ps sites are isolated, with few links pointed directly to them. The Islamic University of Gaza is the only university to automatically redirect traffic to its .ps mirror, suggesting both a dedication to the symbolic value of .ps and an explanation for the relatively strong endorsement of <http://www.iugaza.edu.ps/>. Concluding, we could say that the .ps domain is an unrecognized project for sites linking to Birzeit and Najah, and a work in progress for sites linking to the Islamic University of Gaza.

Mapping the Palestinian Web Space

Analysis of the migration of Palestinian Websites to the .ps domain

Analysis by Michael Stevenson and Andrei Mogoutov.
Design by Marieke van Dijk.
A co-production of the Govcom.org Foundation, Amsterdam,
and the Information Society in Palestine project, Cambridge.

September **07**

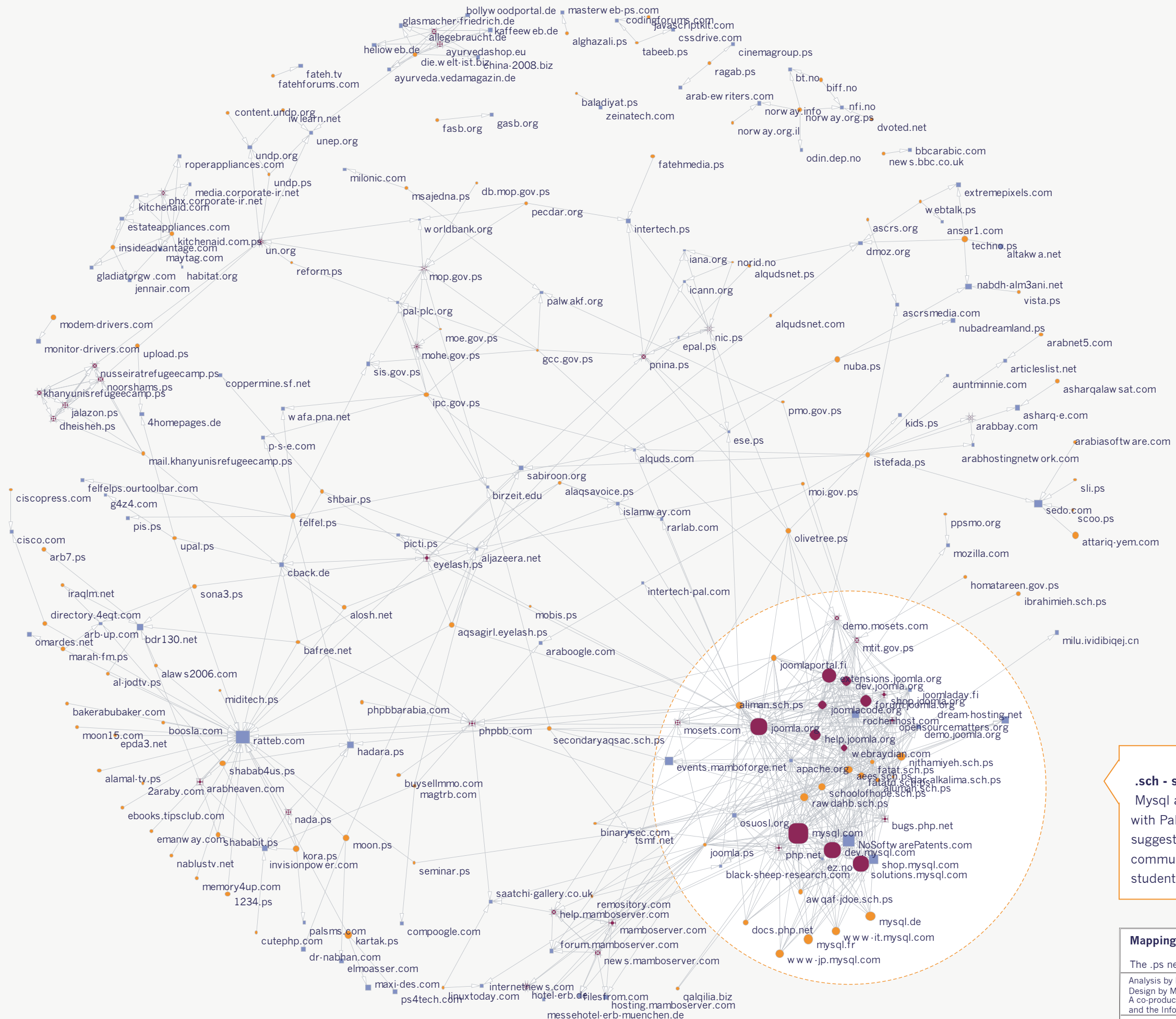
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The .ps Network

Questions Do .ps sites significantly link to one other, thereby creating a form of collective recognition amongst the .ps sites? Around which types of sites do .ps sites cluster?

Method Snowball-crawl .ps sites (1233 in total) from the homepage, 3 levels deep, with a ceiling of 1000 URLs per host. The discovered network is that within two degrees of separation from the homepages in the .ps domain.

Findings .sch.ps sites (Palestinian schools) cluster significantly around software sites, notably free and open source software for databases and content management software (mysql, joomla). With the exception of the school-software grouping, .ps sites do not significantly cluster.



.sch - software cluster
 Mysql and joomla sites cluster together with Palestinian .sch (school) sites, suggesting an active Web site-making community amongst middle and high school students.

Legend

- only gives links
 - only receives links
 - ⊠ gives and receives links
- size of node indicates quantity of links

Mapping the Palestinian Web Space

The .ps network
 Analysis by Richard Rogers and Andrei Mogoutov.
 Design by Marieke van Dijk.
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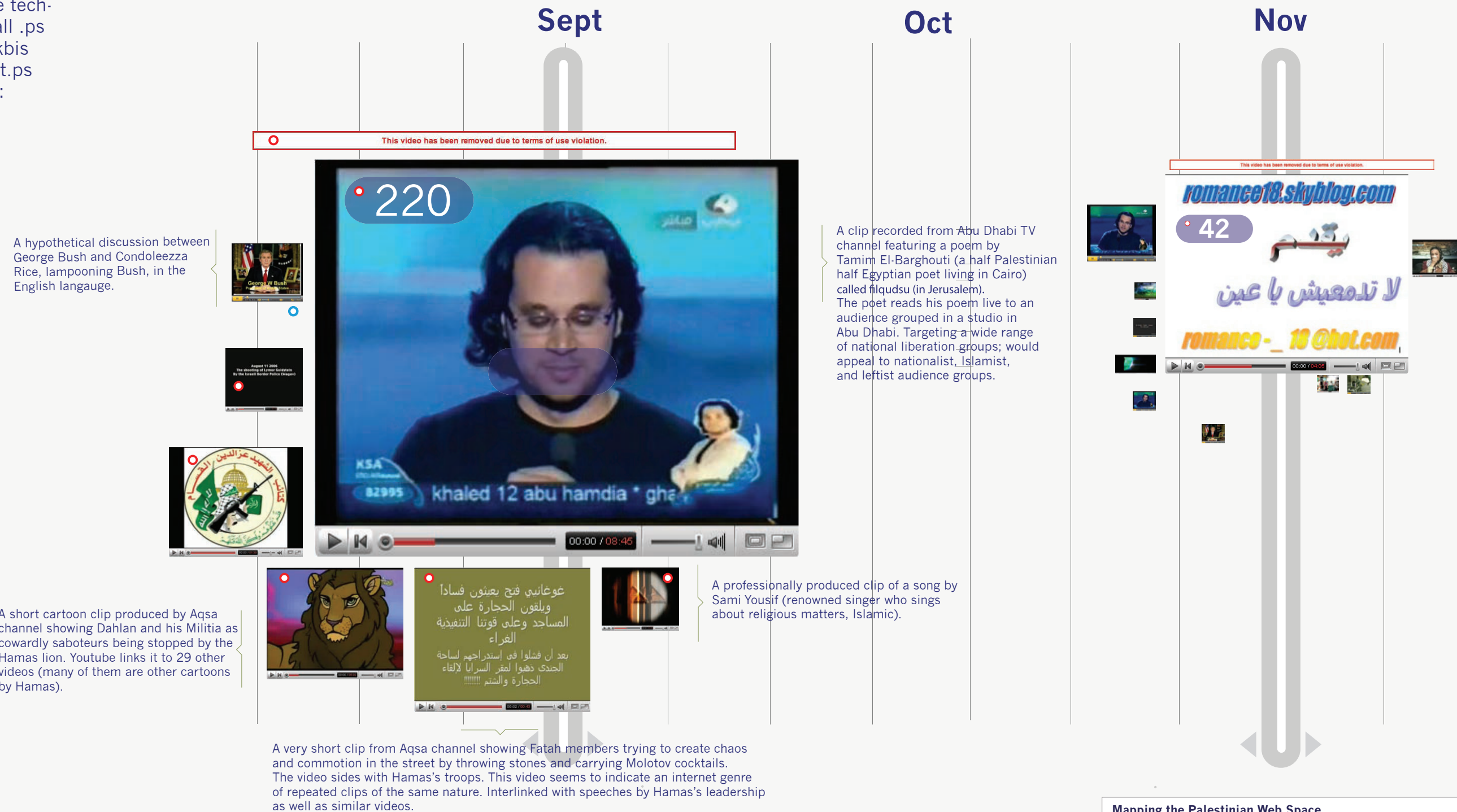


Significant videos in the Palestinian Web space, 2007

- Legend
- video.google.com
 - youtube.com
 - ikbis.com

What are the significant videos in Palestinian Web space, defined initially as videos referenced by .ps sites?

Method: Generate list of all .ps Websites with the technique employed by generatenational.net. Query all .ps sites individually for youtube, google video and ikbis video references. Query style: site:palestinereport.ps "youtube.com/watch". Other video player queries: "video.google.com/videoplay"; "ikbis.com".



Mapping the Palestinian Web Space

Significant videos in Palestinian Web space

Analysis by Sabine Niederer, Marijn de Vries Hoogerwerff, Mohamed Waked and Esther Weltevrede. Design by Marieke van Dijk. A co-production of the Govcom.org Foundation and the Information Society in Palestine Project, Cambridge.

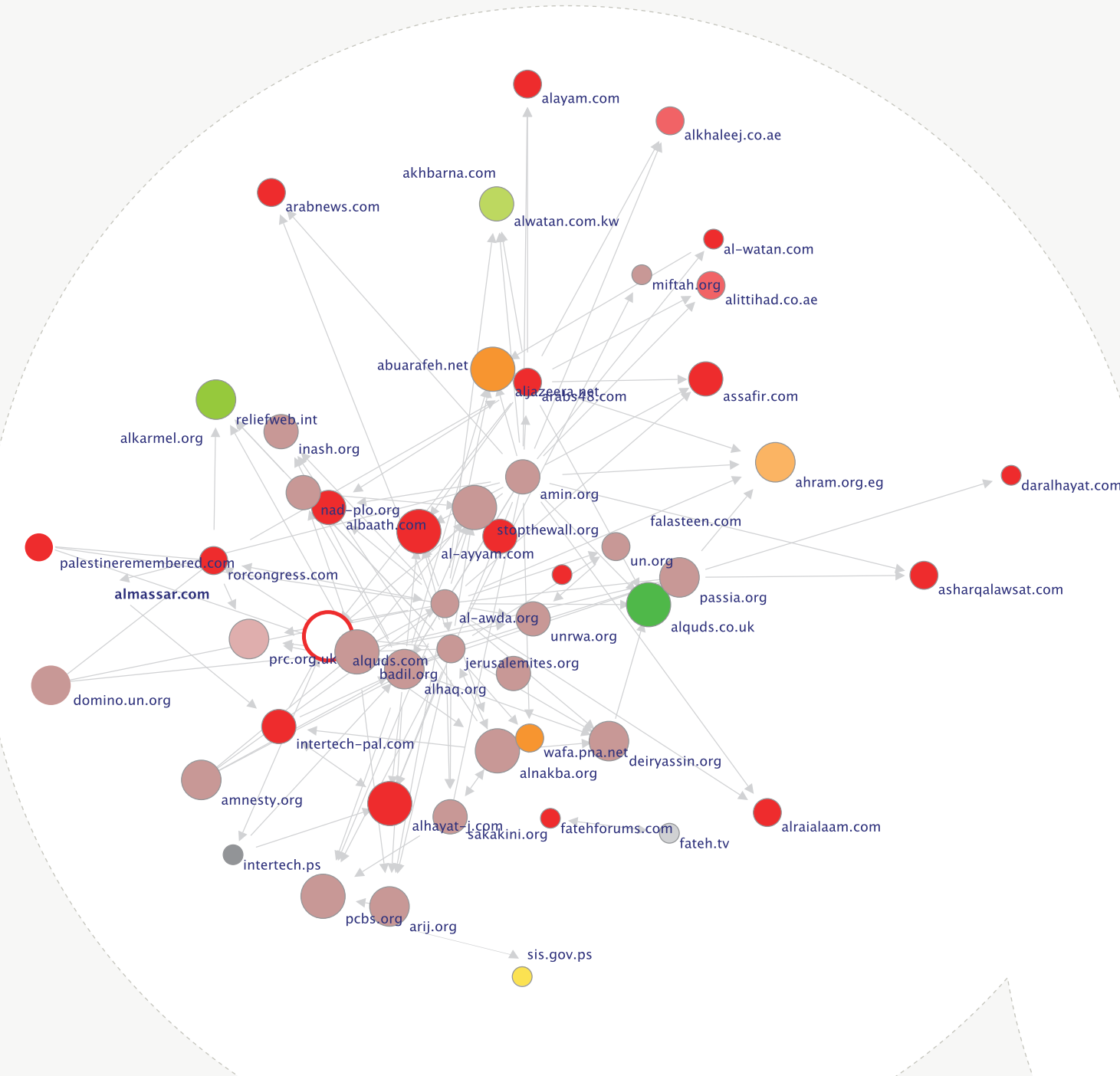
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The Palestinian Political Webs: Separate Spheres?

Fatah-related and Hamas-related Networks Compared



Fatah-related sites
6 September 2007

Legend:

- (.org.eg)
- (.org)
- (.com)
- (.co.ae)
- (.net)
- (.co.uk)
- (.com.kw)
- (.tv)
- (.ps)
- (.org.uk)
- (.int)
- (.gov.ps)

What kind of 'state' of the Palestinian Web is suggested by the Fatah-related sites?

Method
Insert Fatah-related sites in Issue Crawler.
Perform co-link analysis. Render as spring map.

Findings
Fatah's Palestinian Web may be characterized primarily as a 'civic Web'. Fatah-related websites link to each other as well to Palestinian NGOs, Palestinian Media and to a lesser extent to International NGOs and Media. There are no links to other Palestinian political actors or to any official .ps websites.

What kind of 'state' of the Palestinian Web is suggested by the Hamas-related sites?

Method
Insert Hamas-related sites in Issue Crawler.
Perform co-link analysis. Render as spring map.

Findings
The Hamas-affiliated news agency, Palestine Information Center, has numerous mirrored websites in various languages, hosted and registered under the main domain name Palestine-Info, with different domain extensions (Palestine-info.info, Palestine-info.co.uk, Palestine-info.net, etc).

These sites, together with other Hamas-related websites do not link out to other (Palestinian) websites. Instead, they provide links to RSS-feed readers, whereby individuals and other sites may subscribe to Hamas-related content.



All Hamas-related Websites
6 September 2007

Legend:

- (.com)
- (.co.uk)
- (.cc)
- (.info)
- (.ru)

Mapping the Palestinian Web Space
Fatah-related and Hamas-related networks compared

Analysis by Anat Ben-David. Design by Marieke van Dijk. A co-production of the Govcom.org Foundation, Amsterdam, and the Information Society in Palestine project, Cambridge.

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Separate Content Infrastructures on the Web?

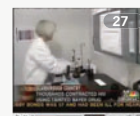
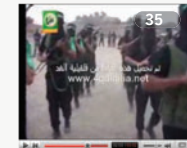
Hamas and Fatah referenced video materials compared (8-9 November 2007)

Hamas

This video has been removed due to terms of use violation. 111



This video has been removed due to terms of use violation. 71



Fatah

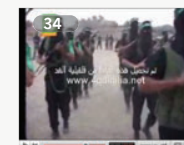
This video has been removed due to terms of use violation. 119



http://www.rafosman.com. Added: October 30, 2007



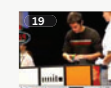
Documentary footage, burying dead men. Added: August 14, 2007



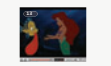
Compilation of Palestinian videos. Contains violent content. www.4qalqilia.net . Added: January 22, 2007



Ron Paul Campaign Song Karaoke. www.ronpaul2008.com. Added on September 10, 2007



Rubik's Cube World Championships 2007, Budapest. Someone at the WC'07 stops the timer with his wrists. Added: November 05, 2007



The Little Mermaid fragment, featuring the song Part of Your World. Added: December 09, 2005



Interview with Daniel Radcliffe in Sydney about his new movie. Added: September 25, 2007



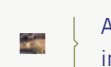
Frankenpimp - Killer Queen & The Sex Vampires. Added: October 15, 2007



TV host Sanja Nikolic passes out on live Serbian television, and part of the set falls apart. The video was first posted with the description of a Danish anchor woman having died on TV as a punishment for hosting a contest on drawing a Mohammed picture. Added: December 11, 2006



Sphere Ride. Riding down the ski hill at Mt. Brighton (Michigan) inside a 12' inflated ball. Added: June 18, 2006



IWM Compilation with (anti-American) Jihadist videos, songs and interviews about Al-Qaeda and Bin Laden, with English subtitles. Includes violent/explicit content. www.memritv.org. Added: July 19, 2007



A battle between a pride of lions, a herd of buffalo, and 2 crocodiles at a watering hole in South Africa's Kruger National Park while on safari. Added: May 03, 2007



MSNBC coverage of Bayer scandal. In the 1980s, Bayer sold HIV-infected hemophilia medication throughout Europe, which infected many patients. Added: April 02, 2006

Question_Do Hamas and Fatah Web spaces share the same content in the form of YouTube videos?

Method_Using lists of Fatah and Hamas-related sites, capture inlinks to each set of sites, using Yahoo Inlink Scraper. Query those sites that link to the Fatah and Hamas-related sites with tool Google Scraper for: "youtube.com/watch." The number of times a unique video occurs in unique sites in the Web spaces is calculated with tool YouTube Video Discovery. To find shared videos the top 100 of Hamas and Fatah Web spaces is compared using tool Compare Lists.

Findings_Sixteen videos are shared in the top 100 most referenced videos in the Fatah and Hamas Web spaces. The majority of videos contains violent and/or politically charged content. The overall narrative style is symbolic or moralistic (symbolic real life stories). Two videos are removed due to terms of use violation. In the lower end of the most popular shared videos, more generally popular YouTube videos are found.

Mapping the Palestinian Web Space

Separate Content Infrastructures on the Web?

Analysis by Esther Weltevrede and Sabine Niederer. Design by Esther Weltevrede and Marieke van Dijk. A co-production of the Govcom.org Foundation, Amsterdam, and the Information Society in Palestine project, Cambridge.

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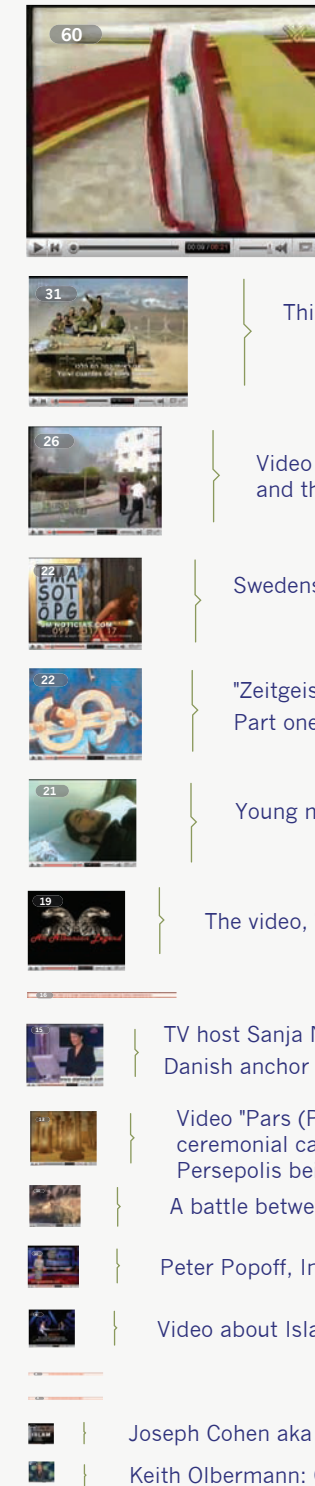
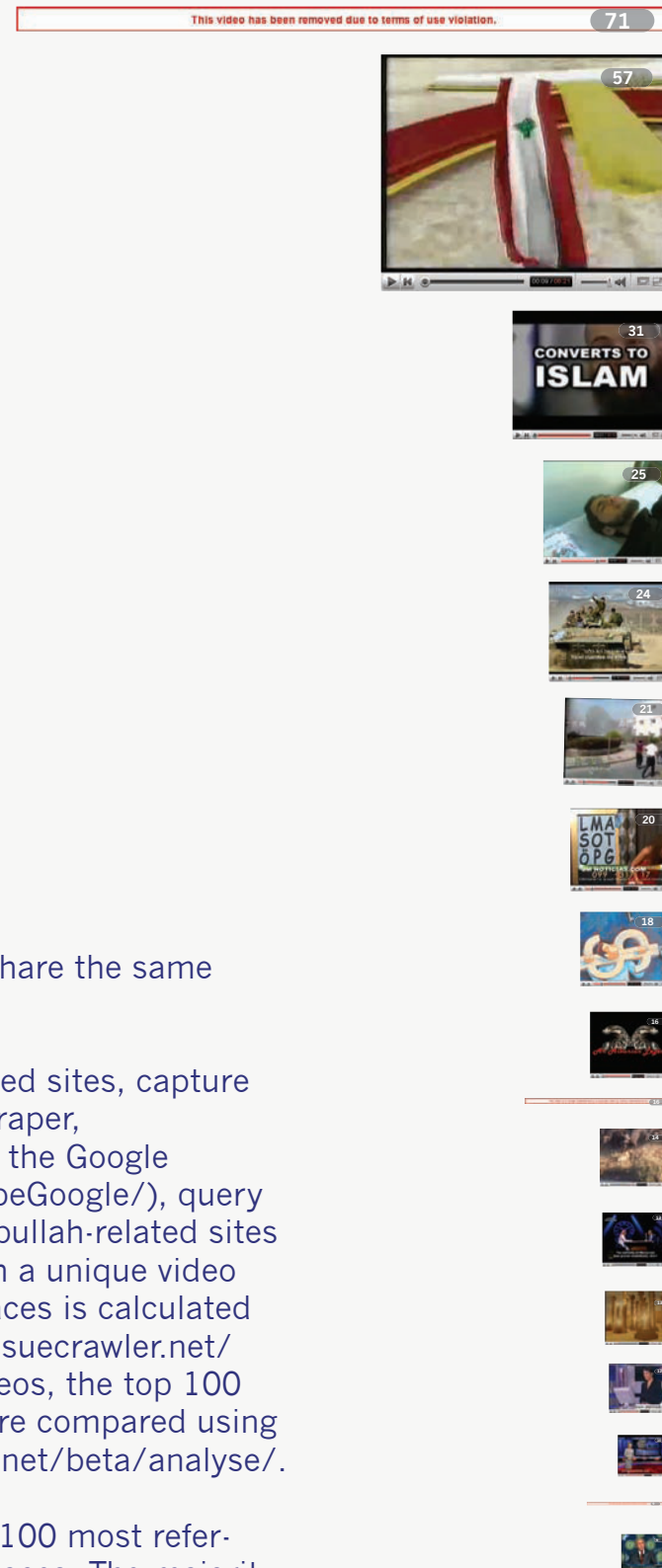


Separate Content Infrastructures on the Web?

Hamas and Hizbullah referenced video materials compared (8-9 November 2007)

Hamas

Hizbullah



Video featuring "Lebanon is victorious through martyrs' Islamic song." mubahela.net. Added: May 25, 2007

This video is dedicated to those people who risk their lives for the state of Israel. Added: August 08, 2006

Video about Hizbullah being the true promise of resistance, the defenders of freedom, the proclaimers of unity and the destroyers of the enemy. Added: September 3, 2007

Swedens TV 4 Plus show host Eva Nazemson vomits live on-air. Added: September 23, 2007

"Zeitgeist - The Movie" is a three-part film. This video is part three: "The Federal Reserve". Part one is "Religion" and two is the "World Trade Center." zeitgeistmovie.com. Added: June 16, 2007

Young man reciting memorized passages of Quran. Added: May 29, 2007

The video, "An Albanian Legend," is about a tale of the boy and the eagle. Added: February 16, 2007

TV host Sanja Nikolic passes out on live Serbian TV, and part of the set falls apart. The video was first posted with the description of a Danish anchor woman having died on TV as punishment for hosting a contest for drawing a Mohammed picture. Added: December 11, 2006

Video "Pars (Persepolis) - Iran" is about one of the three capitals of Persian empire. "Pars" (old Persian) was an ancient ceremonial capital of the second Iranian dynasty. To the ancient Persians, the city was known as Parsa (the city of Persians), Persepolis being the Greek interpretation of the name perse (= Persian) + polis (= city). Added: November 12, 2006

A battle between a pride of lions, a herd of buffalo, and 2 crocodiles in South Africa's Kruger National Park. Added: May 03, 2007

Peter Popoff, Inside Edition Report. Added: March 06, 2007

Video about Islamic Science stating Neil Armstrong proved Mecca is the center of the world. memri.org. Added: January 20, 2007

Joseph Cohen aka Yusuf Khattab - a Jew converted to Islam. http://www.jewstoislam.com. Added: August 12, 2006

Keith Olbermann: Countdown cautions Iran war ramp up. Added: September 05, 2007

Question Do Hamas and Hizbullah Web spaces share the same YouTube video content?

Method Using lists of Hamas and Hizbullah-related sites, capture inlinks to each set of sites, using Yahoo Inlink Scraper, <http://tools.issuecrawler.net/beta/yahoo/>. Using the Google Scraper (<http://tools.issuecrawler.net/beta/scrapeGoogle/>), query each of those sites that link to the Fatah and Hizbullah-related sites for youtube.com/watch. The frequency with which a unique video occurs on a unique site in the respective Web spaces is calculated with YouTube Video Discovery tool, <http://tools.issuecrawler.net/beta/scrapeGoogle/video.php>. To find shared videos, the top 100 videos in the Hamas and Hizbullah Web spaces are compared using the Compare Lists tool, <http://tools.issuecrawler.net/beta/analyse/>.

Findings Seventeen videos are shared in the top 100 most referenced videos in the Hamas and Hizbullah Web spaces. The majority of videos contains violent and/or politically charged content. The overall narrative style is symbolic or moralistic (tales or symbolic real life stories). Two videos are removed, one due to terms of use violation and one due to a copyright claim.

Mapping the Palestinian Web Space	
Separate Content Infrastructures on the Web?	
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