Amsterdam University of Applied Sciences | DIGITAL SOCIETY SCHOOL

CARLO DE GAETANO

23.07.2019

VISUAL METHODS FOR DIGITAL SYSTEMS
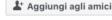
INTRODUCTION

Digital Objects

shqipeluxury #followforspam #likesforlike #follow4follow #recent4recent #followforlike #followforfollow #spamforlikes #like4like #lfl #likeforshoutout #selfie #s4s #likeforlikes #recentforrecent #spam4spam #spam #polishgirl #polishboy #l4l #snapchat #likeforfollowers #snapchatme #likeforlike

Clara Sexton
Iscrizione effettuata circa 2 mesi fa
Palo Alto
Aggiungi agli amici

José Alberto Ferreira
Iscrizione effettuata circa 2 mesi fa
Évora
Aggiungi agli amici

Sepideh Karami
Iscrizione effettuata circa 3 mesi fa
Lecturer presso KTH Arkitektur
Aggiungi agli amici
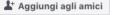
Leah Vaughan Aronowsky
Iscrizione effettuata circa 3 mesi fa
Aggiungi agli amici

Arese, MI · Case
Diventa un host   Aiuto   Registrati   Acce
Date   Ospiti   Tipo di alloggio   Prezzo   Prenotazione immediata   Tipologia di viaggio   Più filtri   Mostra la mappa

Esplora oltre 300 case

STANZA PRIVATA · 1 LETTO
"Duomo"room,private bathroom, parking & Air cond
28€ per notte
★★★★★ 227

INTERO APPARTAMENTO · 2 LETTI
ORANGE Apartment + Garden @RHOfiera
25€ per notte
★★★★★ 107 · Superhost

INTERO APPARTAMENTO · 4 LETTI
RED Apartment+Garden @RHOfiera
29€ per notte
★★★★★ 168 · Superhost

INTERO APPARTAMENTO · 2 LETTI
Grazioso e luminoso monolocale
27€ per notte
★★★★½ 645 · Superhost
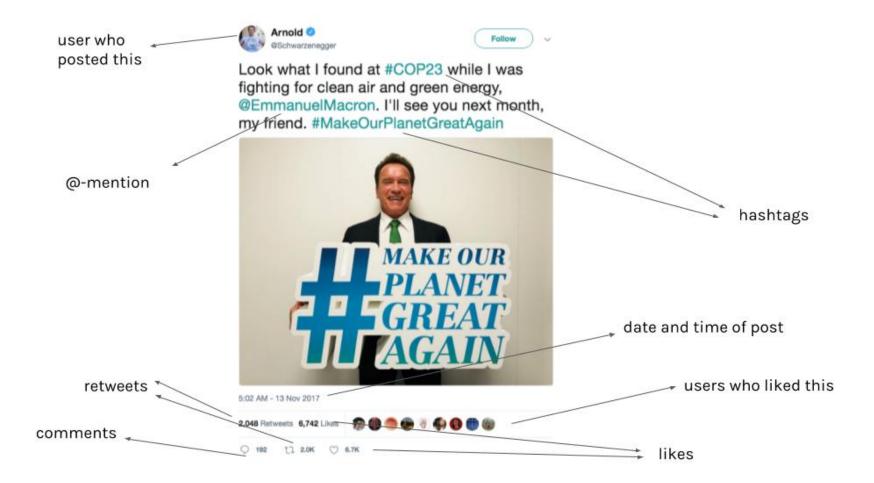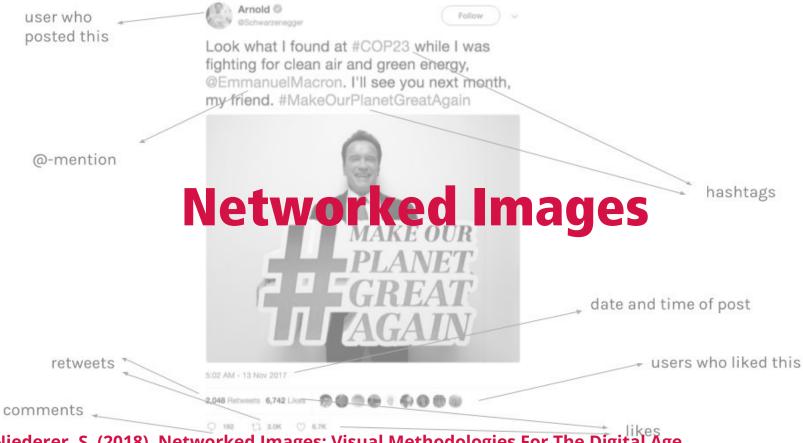
24 Hrs In Photos, Erik Kessels. 2011

user who
posted this

@-mention

hashtags

date and time of post

users who liked this

retweets

likes

comments

Arnold ✔
@Schwarzenegger

Follow

Look what I found at #COP23 while I was
fighting for clean air and green energy,
@EmmanuelMacron. I'll see you next month,
my friend. #MakeOurPlanetGreatAgain

#MAKE OUR
PLANET
GREAT
AGAIN

5:02 AM - 13 Nov 2017

2,048 Retweets 6,742 Likes

192   2.0K   6.7K

Networked Images

user who posted this

@-mention

hashtags

date and time of post

retweets

users who liked this

comments

likes

Arnold @ @Schwarzenegger

Follow

Look what I found at #COP23 while I was fighting for clean air and green energy, @EmmanuelMacron. I'll see you next month, my friend. #MakeOurPlanetGreatAgain

MAKE OUR PLANET GREAT AGAIN

5:02 AM - 13 Nov 2017

2,048 Retweets 6,742 Likes

192   2.0K   6.7K

Niederer, S. (2018). Networked Images: Visual Methodologies For The Digital Age.

541,795 Suns From Sunsets From Flickr, Penelope Umbrico, 2006- Ongoing

Fakes, Flames And Memes - Matteo Azzi, Gabriele Colombo. 2016

FOUR APPROACHES

1. Issue Mapping Online Through Images
2. Cross-Language (Cross-Country; Cross-City) Visual Analysis
3. Platform Visual Vernaculars Analysis
4. Visual Forensics

1. ISSUE MAPPING ONLINE THROUGH IMAGES

Studying the visual representation of particular issues

Urban Nature

Ricci, D., Colombo, G., Meunier, A., & Brilli, A. (2017). **Designing Digital Methods to monitor and inform Urban Policy. The case of Paris and its Urban Nature initiative**. In 3rd International Conference on Public Policy (ICPP3)-Panel T10P6 Session 1 Digital Methods for Public Policy (pp. 1-37). SGP.

Which images, discourses and practices narrate Parisian urban nature?

Aurelie Leclercq
@AurelieLq

Follow

C'est chouette de voir ce genre de minis jardins se multiplier dans @Paris 🌿 #vegetalisonsparis #permisdevegetaliser
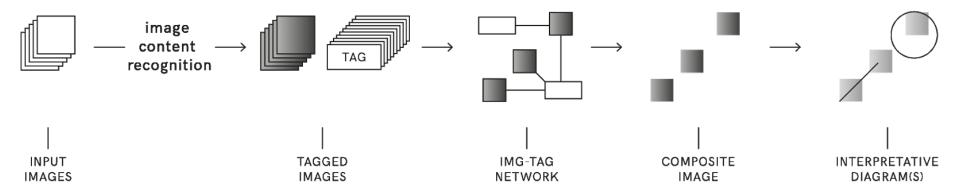
Translate from French

Save

RETWEETS 65

LIKES 97

11:13 AM - 15 Oct 2016
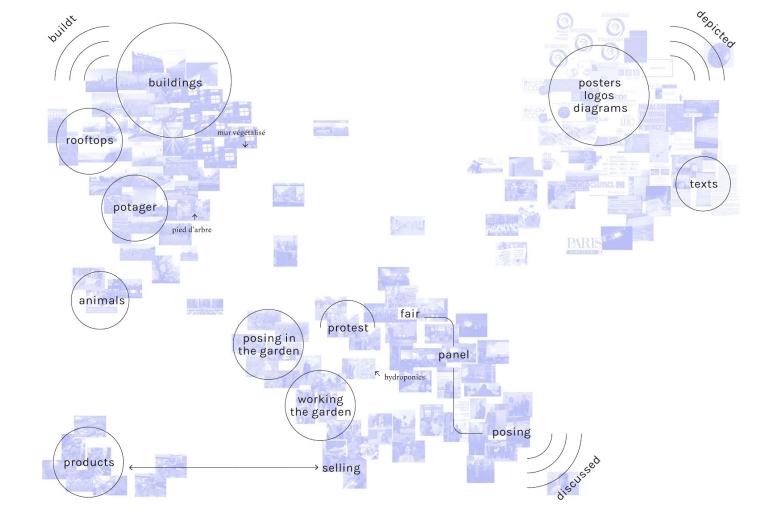
5   65   97

[nature] + [Paris]

image
content
recognition

TAG

INPUT
IMAGES

TAGGED
IMAGES

IMG-TAG
NETWORK

COMPOSITE
IMAGE

INTERPRETATIVE
DIAGRAM(S)

Nature July August September 2016

tourist
buildings

macroscopic

man-made

mur végétalisé

mur végétalisé

abandoned
spaces

pied d'arbre

people

nature
as background

charts
posters
diagrams

sky

pied d'arbre

under
water

water

garden

wild

trees

potager

flowers

fine focused

animals

Nature July August September 2016

Urban Agriculture

How does "urban agriculture" looks like? Which *practices* and *objects* emerge from the collective activity of visual documentation?

[agriculture] + [Paris]

buildt

buildings

depicted

posters
logos
diagrams

rooftops

mur végétalisé

texts

potager

pied d'arbre

animals

fair

posing in
the garden

protest

panel

hydroponics

working
the garden

posing

products

selling

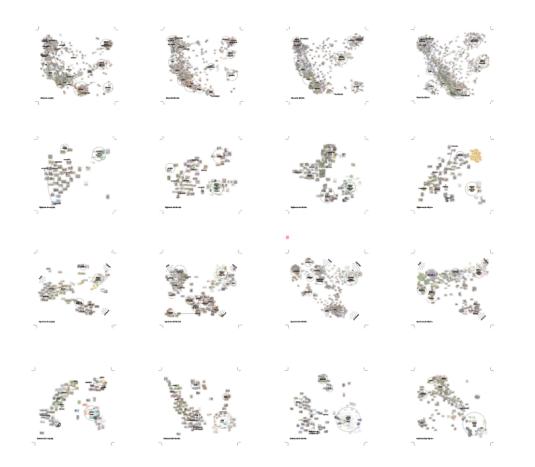discussed

Agriculture October November December 2016

Ricci, D., Colombo, G., Meunier, A., & Brilli, A. (2017). **Designing Digital Methods to monitor and inform Urban Policy. The case of Paris and its Urban Nature initiative**. In 3rd International Conference on Public Policy (ICPP3)-Panel T10P6 Session 1 Digital Methods for Public Policy (pp. 1-37). SGP.

2. CROSS-LANGUAGE* VISUAL ANALYSIS

Studying *language preferences* and biases in the visual representation of an issue

———

Artikel | Diskussion | Mehr

Wikipedia durchs

Article | Talk | Read | More

Search Wikipedia

लेख | संवाद | पढ़ें | सम्पादन | इतिहास देखें | विकिपीडिया में खोजें

Kunst

Der Titel dieses Artikels ist mehrdeutig.
Weitere Bedeutungen sind unter Kunst
(Begriffsklärung) aufgeführt.

Das
Wort
Kunst

Sebastiano Ricci: *Allegorie der Künste*
1690–1694

(lateinisch *ars*, griechisch *téchne*[1]) bezeichnet im
weitesten Sinne jede entwickelte Tätigkeit, die auf
Wissen, Übung, Wahrnehmung, Vorstellung und
Intuition gegründet ist (Heilkunst,[2] Kunst der
freien Rede). Im engeren Sinne werden damit
Ergebnisse gezielter menschlicher Tätigkeit
benannt, die nicht eindeutig durch Funktionen
festgelegt sind.[3] Der Formationsprozess des
Kunstbegriffs unterliegt permanent einem Wandel,
der sich entlang von dynamischen Diskursen,
Praktiken und institutionellen Instanzen
entfaltet.[4]

Kunst ist ein menschliches Kulturprodukt, das
Ergebnis eines kreativen Prozesses.[5] Das
Kunstwerk steht meist am Ende dieses
Prozesses, kann aber seit der Moderne auch der

Art

From Wikipedia, the free encyclopedia

This article is about the general concept of art.
For the group of creative disciplines, see The arts.
For other uses, see Art (disambiguation).

Clockwise from upper left: a self-portrait by Vincent van
Gogh; a female ancestor figure by a Chokwe artist; detail
from The Birth of Venus by Sandro Botticelli; and an
Okinawan Shisa lion.

Art is a diverse range of human activities in creating
visual, auditory or performing artifacts (artworks),
expressing the author's imaginative, conceptual idea,
or technical skill, intended to be appreciated for their
beauty or emotional power.[1][2] In their most general
form these activities include the production of works
of art, the criticism of art, the study of the history of

कला <

मुक्त ज्ञानकोश विकिपीडिया से

कला (आर्ट) शब्द इतना व्यापक है
कि विभिन्न विद्वानों की परिभाषाएँ
केवल एक विशेष पक्ष को छूकर रह
जाती हैं। कला का अर्थ अभी तक
निश्चित नहीं हो पाया है, यद्यपि
इसकी हजारों परिभाषाएँ की गयी
हैं। भारतीय परम्परा के अनुसार
कला उन सारी क्रियाओं को कहते हैं
जिनमें कौशल अपेक्षित हो।
यूरोपीय शास्त्रियों ने भी कला में
कौशल को महत्त्वपूर्ण माना है।

कला एक प्रकार का कृत्रिम निर्माण
है जिसमे शारीरिक और मानसिक
कौशलों का प्रयोग होता है।
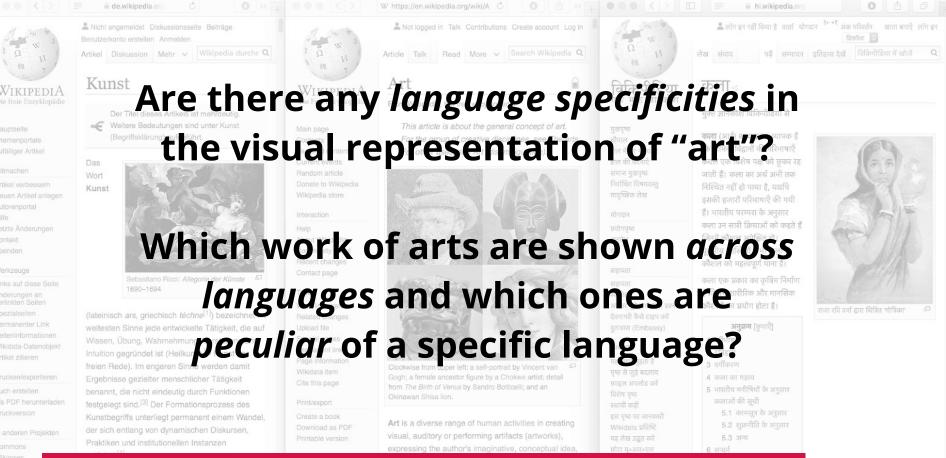
राजा रवि वर्मा द्वारा चित्रित *गोपिका*

अनुक्रम [छुपाएँ]
1 परिभाषा
2 इतिहास
3 वर्गीकरण
4 कला का महत्व
5 भारतीय मनीषियों के अनुसार कलाओं की सूची
5.1 कामसूत्र के अनुसार
5.2 शुक्रनीति के अनुसार
5.3 अन्य
6 सन्दर्भ
7 इन्हें भी देखें
8 बाहरी कड़ियाँ

परिभाषा   [संपादित करें]

Are there any *language specificities* in the visual representation of "art"?

Which work of arts are shown *across languages* and which ones are *peculiar* of a specific language?

Ben David, A., Stevenson, M., & Bardelli, F. (2013). Cross-Lingual Art Spaces On Wikipedia. Https://Digitalmethods.Net/Dmi/Crosslingualartspacesonwikipedia

http://www.geuzen.org/anxiety/monitor_en.php

Google

Web   Images   More   News   Shopping
Web   Images   More   News   Shopping
Web   Images   Maps   News   Shopping
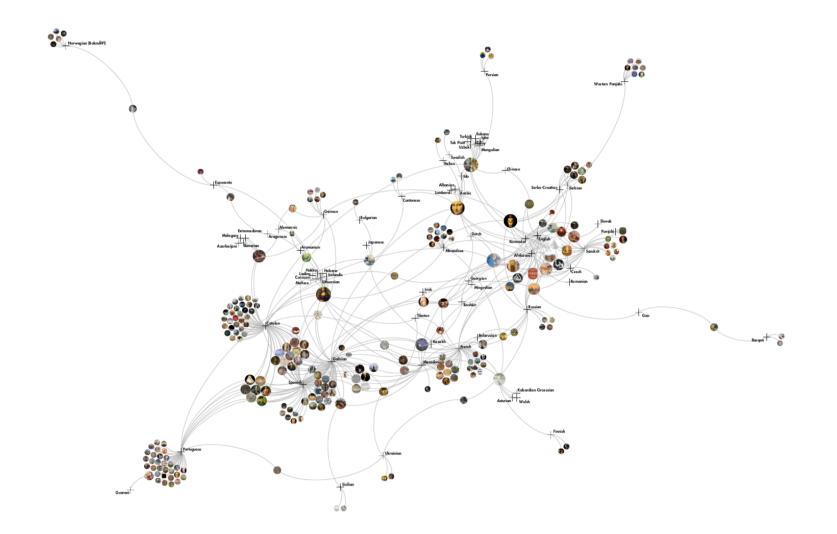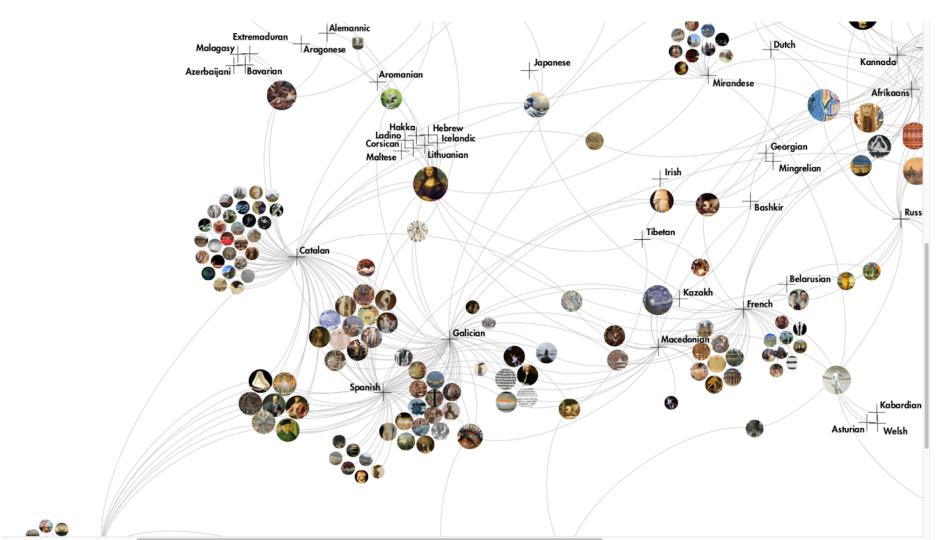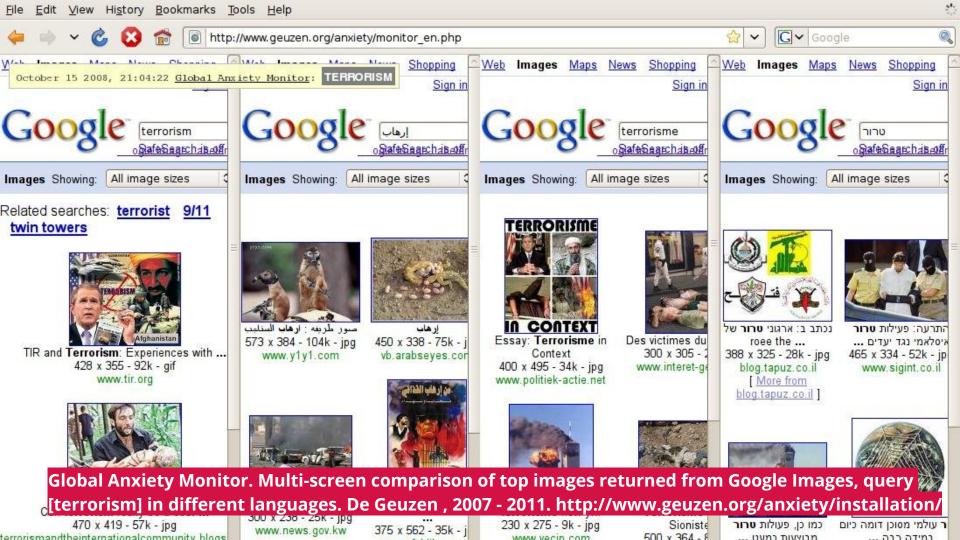Web   Images   Maps   News   Shopping

Sign in
Sign in
Sign in

October 15 2008, 21:04:22   Global Anxiety Monitor: TERRORISM

Google   terrorism
SafeSearch is off

Google   إرهاب
SafeSearch is off

Google   terrorisme
SafeSearch is off

Google   טרור
SafeSearch is off

Images   Showing: All image sizes
Images   Showing: All image sizes
Images   Showing: All image sizes
Images   Showing: All image sizes

Related searches: terrorist   9/11
twin towers

TIR and **Terrorism**: Experiences with ...
428 x 355 - 92k - gif
www.tir.org

صور طريفه : إرهاب السناجب
573 x 384 - 104k - jpg
www.y1y1.com

إرهاب
450 x 338 - 75k - j
vb.arabseyes.com

TERRORISME IN CONTEXT

Essay: **Terrorisme** in Context
400 x 495 - 34k - jpg
www.politiek-actie.net

Des victimes du
300 x 305 - 2
www.interet-ge

התראה: פעילות **טרור** של
roee the ...
388 x 325 - 28k - jpg
blog.tapuz.co.il
[More from
blog.tapuz.co.il]

נכתב ב: ארגוני **טרור** של
איסלאמי נגד יעדים ...
465 x 334 - 52k - jp
www.sigint.co.il

470 x 419 - 57k - jpg
errorismandtheinternationalcommunity.blogs

300 x 238 - 25k - j
www.news.gov.kw

375 x 562 - 35k - j
www.yecin.com

230 x 275 - 9k - jpg

Sioniste
500 x 364 - 8

כמו כן, פעילות **טרור**
עולמי מסוכן דומה כיום

Global Anxiety Monitor. Multi-screen comparison of top images returned from Google Images, query [terrorism] in different languages. De Geuzen , 2007 - 2011. http://www.geuzen.org/anxiety/installation/

How does **smart architecture** look like?
is the **smart city** yet to be built?

Dubai, Amsterdam, Santander, Malta, Cairo
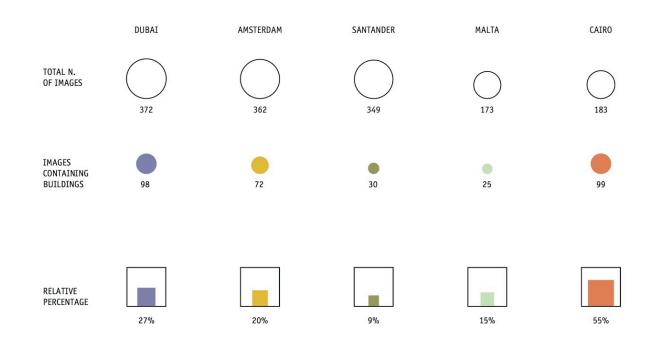
Carlo De Gaetano - Gabriele Colombo - Smart Cities Imagery. Bit.Ly/Dmi15_Smartcityimage

[smart city + "city name"]

"smart city" amsterdam on Google.nl
"smart city" cairo OR القاهرة on Google.com.eg
"smart city" dubai OR دبى، on Google.ae

"smart city" malta on Google.com.mt
"smart city" santander on Google.es

Number of buildings in Google images

for the query "smart city"

	DUBAI	AMSTERDAM	SANTANDER	MALTA	CAIRO
TOTAL N. OF IMAGES	372	362	349	173	183
IMAGES CONTAINING BUILDINGS	98	72	30	25	99
RELATIVE PERCENTAGE	27%	20%	9%	15%	55%

highways and historical buildings

Santander

Rendering and 3D models

Malta
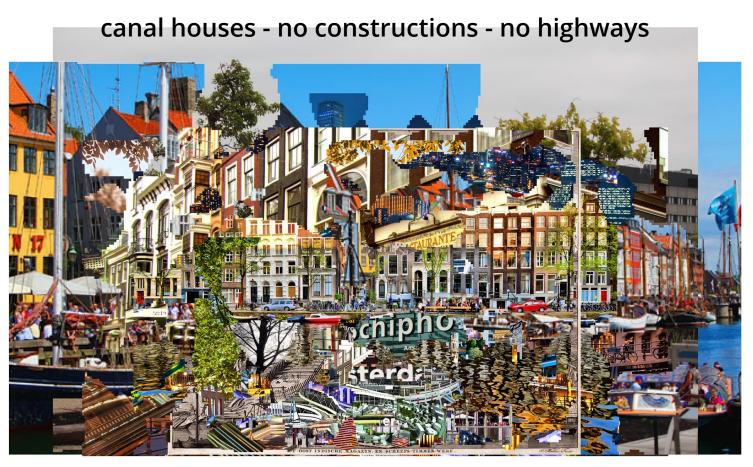
smart retro-future wonderland

Dubai

construction sites - 3d renders

Cairo

canal houses - no constructions - no highways

Amsterdam

Key migration routes

— Major maritime routes — Ferry routes used by migrants
- - - Minor maritime routes — Major land routes

ITALY
SPAIN
Lampedusa
Istanbul TURKEY
Algiers
Oran
Malta
SYRIA
MOROCCO
Tripoli
Ouargla
Alexandria
Cairo
Sebha
LIBYA
EGYPT
NIGER
Agadez
SUDAN
ERITREA
NIGERIA
GHANA
Addis Ababa
Accra
Lagos
SOUTH SUDAN
ETHIOPIA
KENYA
Nairobi

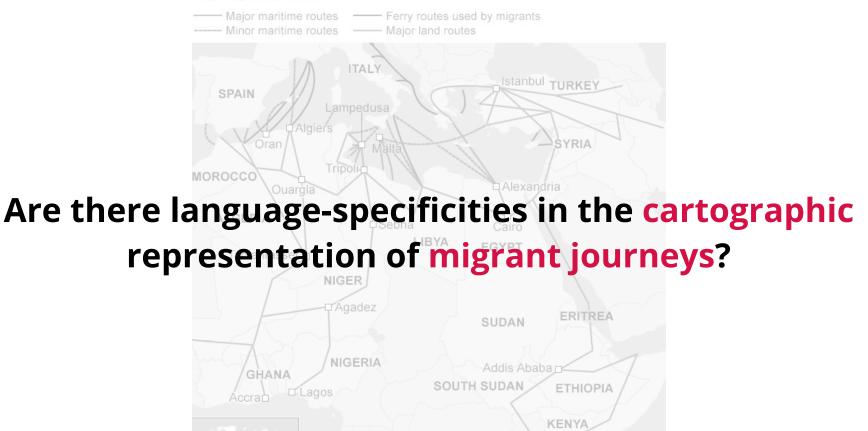# Are there language-specificities in the cartographic representation of migrant journeys?
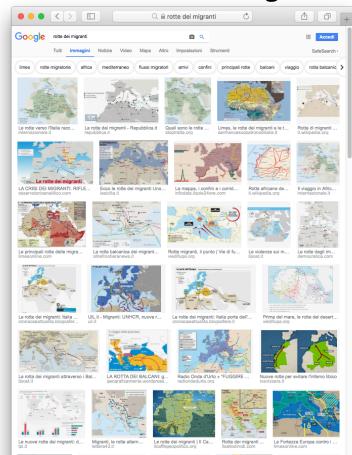
A Critical Digital Cartography Of The 'Mediterranean Refugee Crisis'. Digital Methods Initiative. 2016 Https:// Wiki.Digitalmethods.Net/Dmi/Winterschool2016Communicativearchitectureofthemediteraneanrefugeecrisis

Which places are included on the map?
Are the origins of refugees recognised in the journalistic narrative? Or, is it just the European destination featured?

English - migrant routes

Italian - rotte dei migranti

"Migrant routes" - *English*   "Migrant routes" - *Italian*
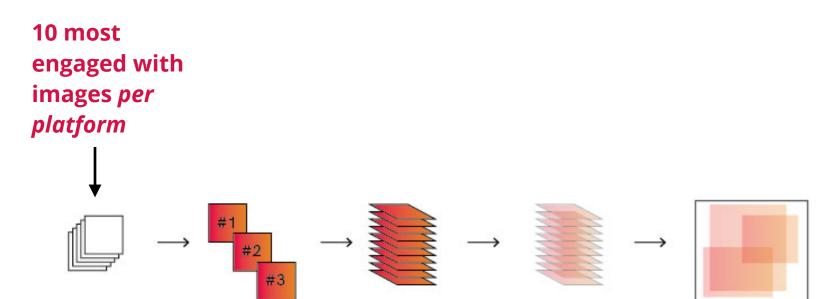
3. PLATFORM VISUAL VERNACULARS ANALYSIS

Studying the visual representation of a particular issue *across platforms*

How does the visual representation of *climate change* shift *across platforms*?

Studying Platform Visual Vernaculars Using Digital Methods. Project Leaders: Warren Pearce, Suay Ozkula Facilitators: Sabine Niederer, Natalia Sanchez-Querubin Designers: Andrea Benedetti, Beatrice Gobbo Https://Digitalmethods.Net/Dmi/Makingclimatevisible

10 most engaged with images *per platform*

INPUT
IMAGES

RANKED
IMAGES

LAYERED
IMAGES

DIMMED
IMAGES

COMPOSITE
IMAGE

#1
#2
#3

**most engaged
with images
*per platform***

Facebook

Reddit

Instagram

Google

Twitter

Tumblr

Climate Visuals

Instagram:

**Awareness
Travelling**

action
shots of
landscapes under
pressure

© Pete McBride

Tumblr:

environmental screenshotting

screenshots from other social media platforms depicting noteworthy and iconic moments

Facebook:

sharable statements

non-controversial statements, written in a large font, super-imposed onto photos of celebrities or cute animals

3. VISUAL FORENSICS

Using visual content collected online to expose *false claims* and wrongdoings

Chinese **coal plants**
"Construction is Proceeding Despite Restrictions"

https://endcoal.org/2018/09/tsunami-warning/
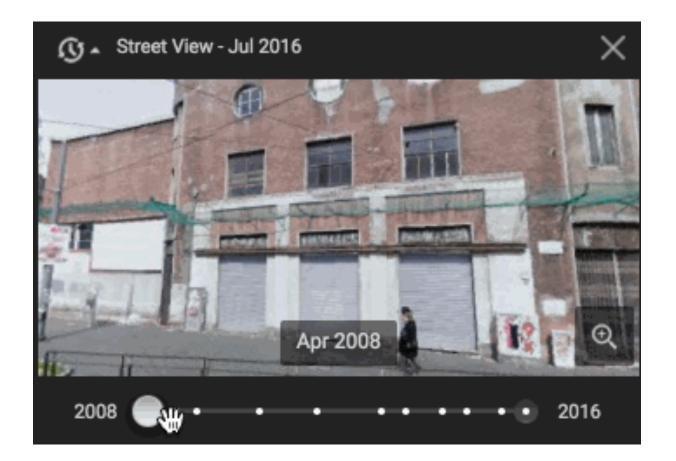
Scandaglio:
Monitoring abandoned places
in Milan

http://www.offtopiclab.org/scandaglio/molo/places/aree-dismesse/

http://www.comune.milano.it/wps/portal/ist/it/servizi/territorio/monitoraggio_edifici_aree_stato_di_degrado
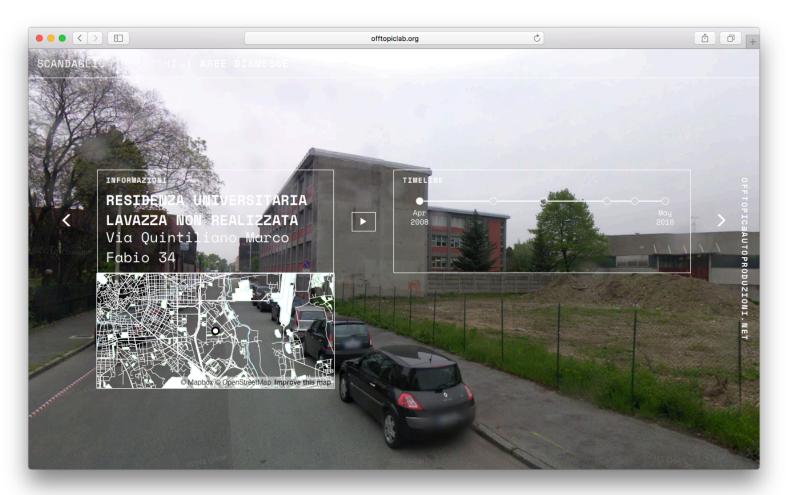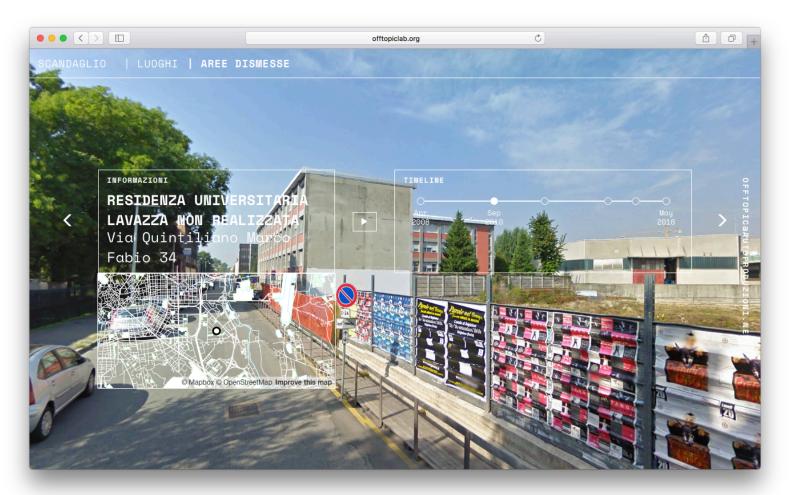
DESCRIZIONE

Milano, capitale dei servizi, lo sappiamo. Il passaggio però non è stato indolore: molte aree ex industriali o commerciali sono state abbandonate dopo la loro dismissione. Non solo: la bolla immobiliare qui da noi non è mai scoppiata ma non significa che la speculazione non si sia lasciata dietro edifici vuoti, alcuni utilizzati per poco, altri mai. Alle aree di grandi dimensioni si accompagnano anche i locali più piccoli, un tempo commercio di prossimità, oggi incapace di reggere di fronte alla voracità dei grandi mall in stile americano.
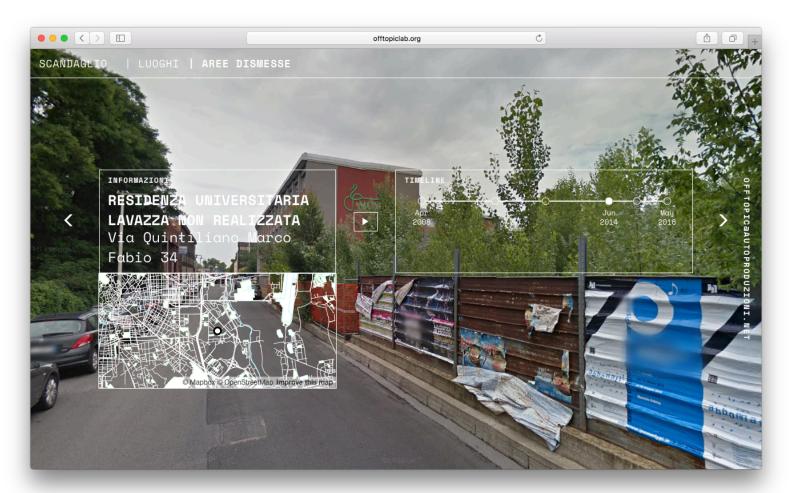
MAPPA

Spazi residuali e verde incolto
Area libera
Area in zona industriale artigianale
Vuoto urbano
Vuoto urbano

© Mapbox © OpenStreetMap **Improve this map**

#	INFO	PLAY	FOCUS
1	Vuoto urbano Via Tacito Cornelio 10	▶	
2	Vuoto urbano Via Toffetti 19	▶	
3	Residenza Universitaria Lavazza non realizzata Via Quintiliano Marco Fabio 34	▶	
4	Baracche Via Bonfadini Romualdo 40	▶	
5	Spazi residuali e verde incolto Via Dei Pestagalli 25	▶	
6	Spazi residuali e verde incolto Via Quintiliano Marco Fabio 1	▶	

OFFTOPIC@AUTOPRODUZIONI.NET

SCANDAGLIO - www.offtopiclab.org/scandaglio

SCANDAGLIO - www.offtopiclab.org/scandaglio
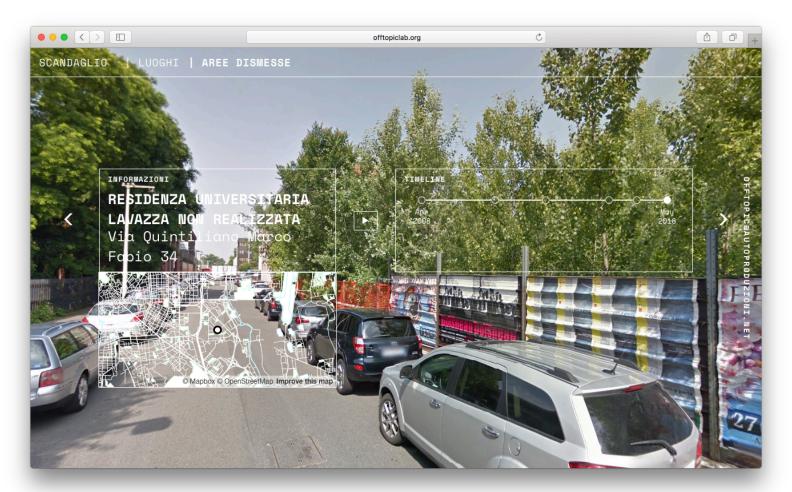
SCANDAGLIO - www.offtopiclab.org/scandaglio

FOUR APPROACHES

1. Issue Mapping Online Through Images
2. Cross-Language (Cross-Country; Cross-City) Visual Analysis
3. Platform Visual Vernaculars Analysis
4. Visual Forensics

COMPOSITE IMAGES
AS RESEARCH TOOLS

LAYER 1

LAYER 2

prepare

aggregate

interpret

INPUT
IMAGES

UPGRADED
IMAGES

COMPOSITE
IMAGE

INTERPRETATIVE
DIAGRAM

→ visual similarity map
→ image network
→ layered images
→ juxtaposed images
→ image sequence
→ image catalogue