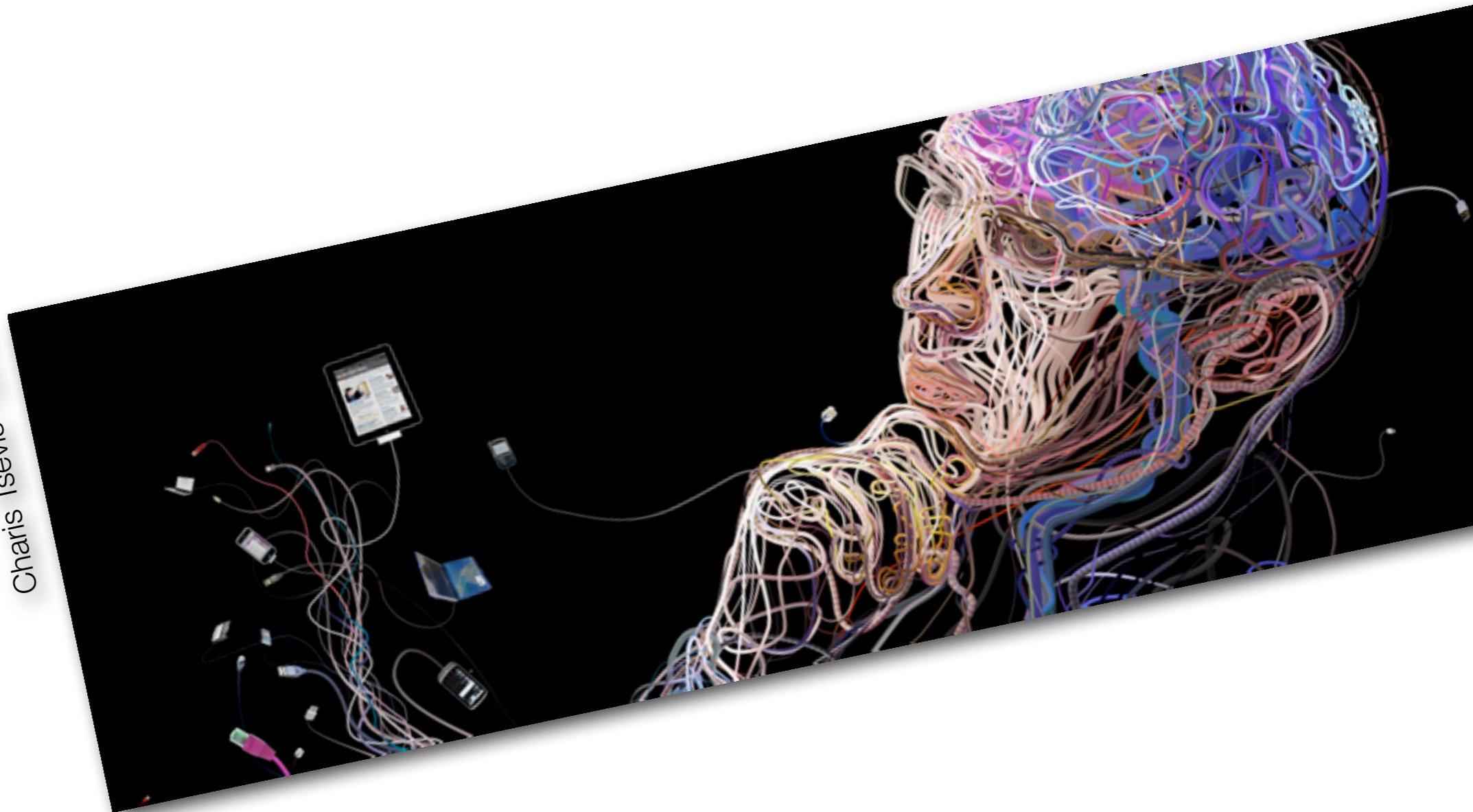


Internet / Enjeux sociaux, enjeux mondiaux

L'information spatiale

Charis Tsevis - 2010

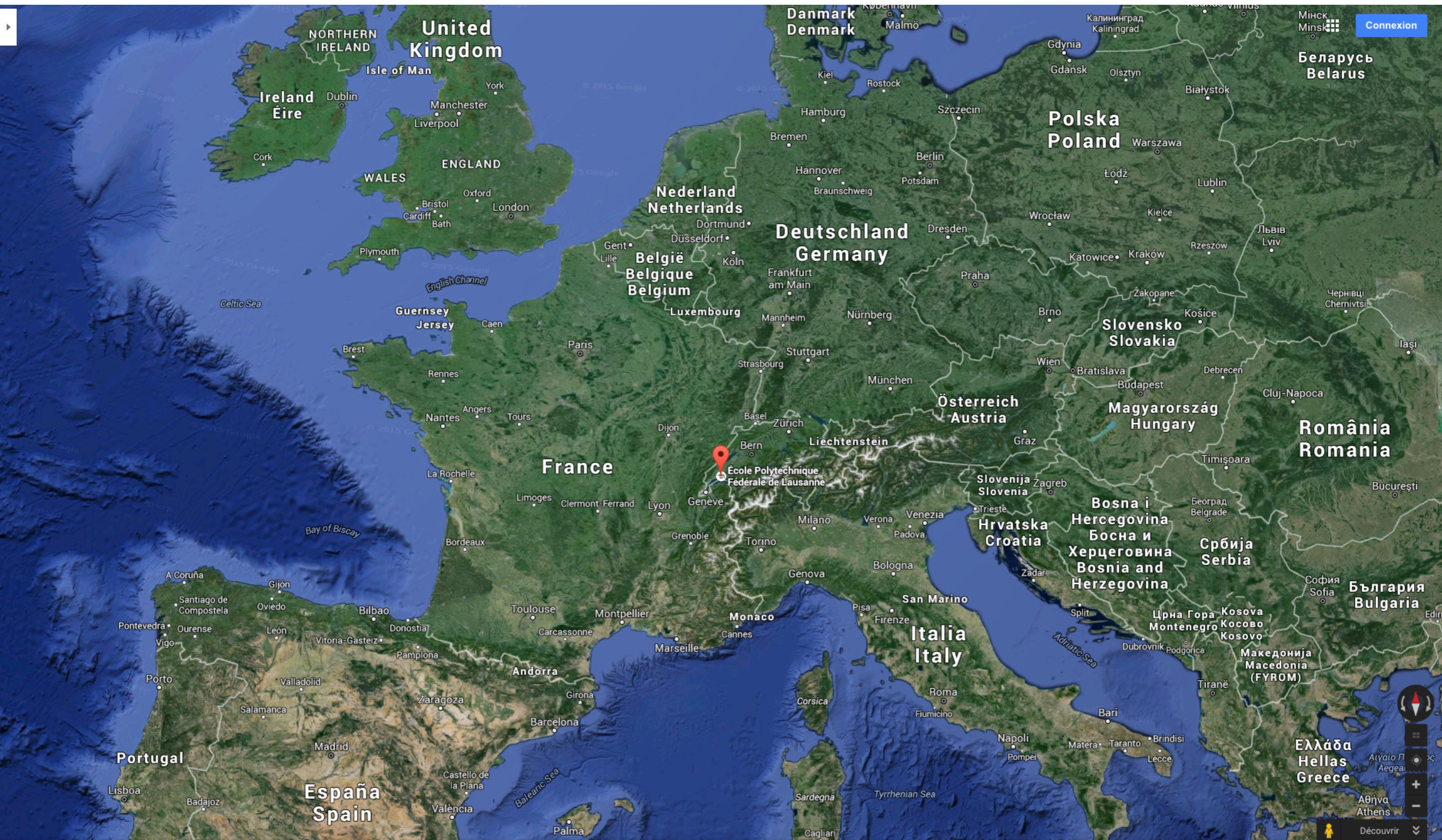


Master - 2016

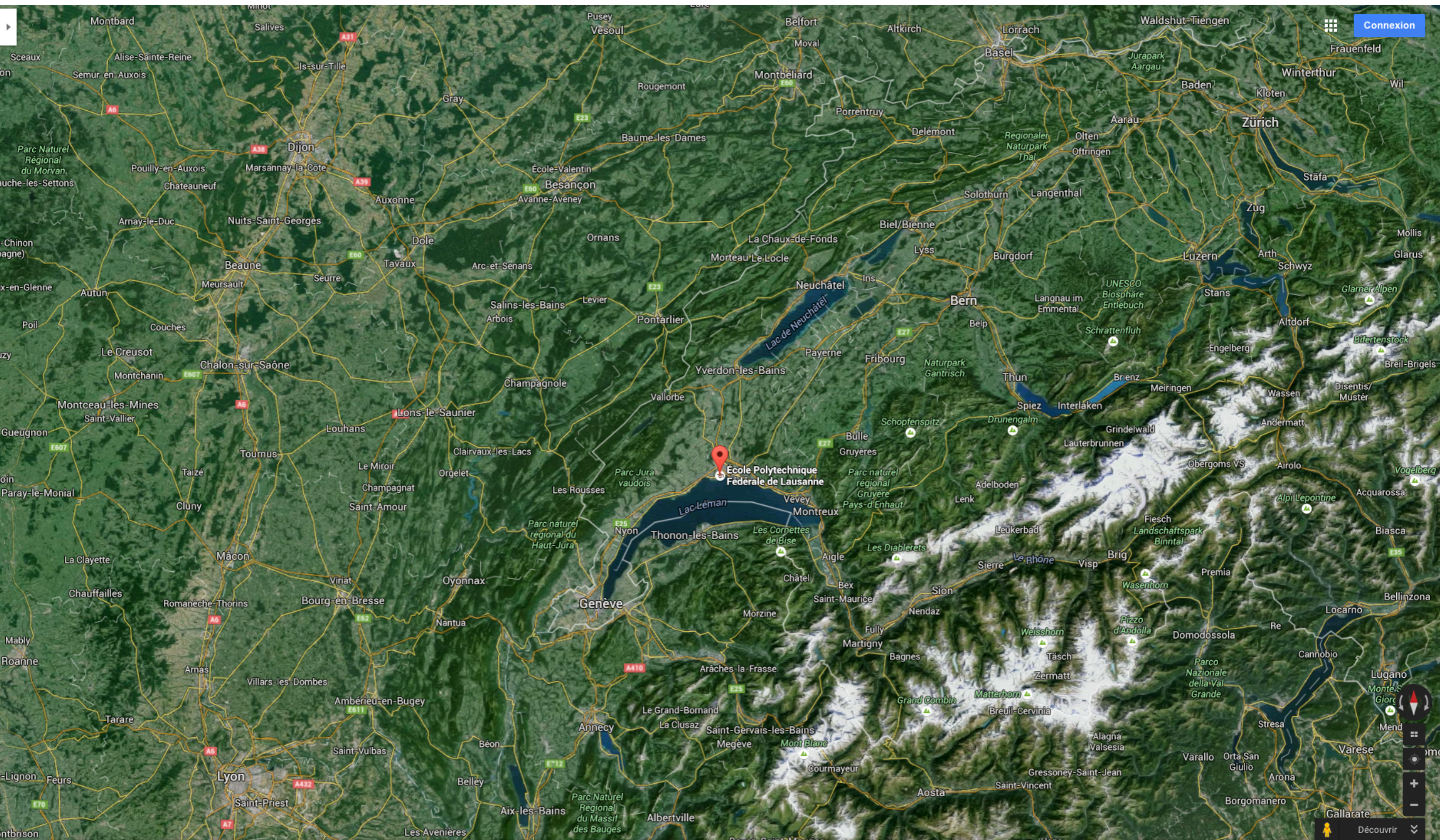
Boris Beaude, Chôros, Ecole Polytechnique Fédérale de Lausanne

Maximiser l'interaction sociale
Matérielle

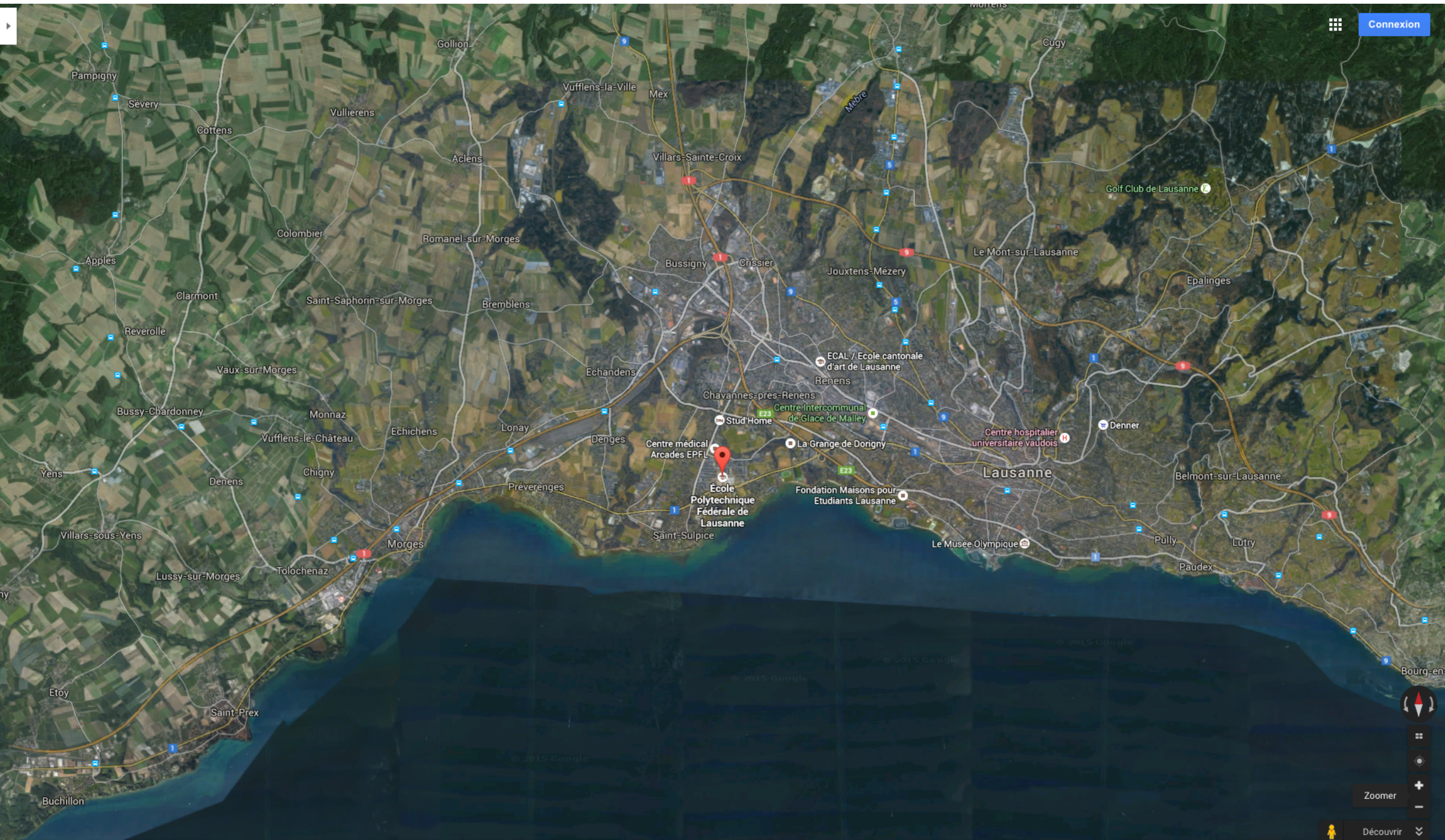
L'information spatiale



L'information spatiale



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Connexion

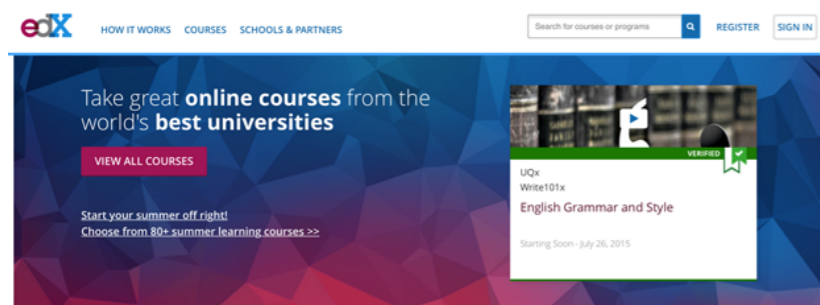
France
Schweiz



Découvrir

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Immatérielle

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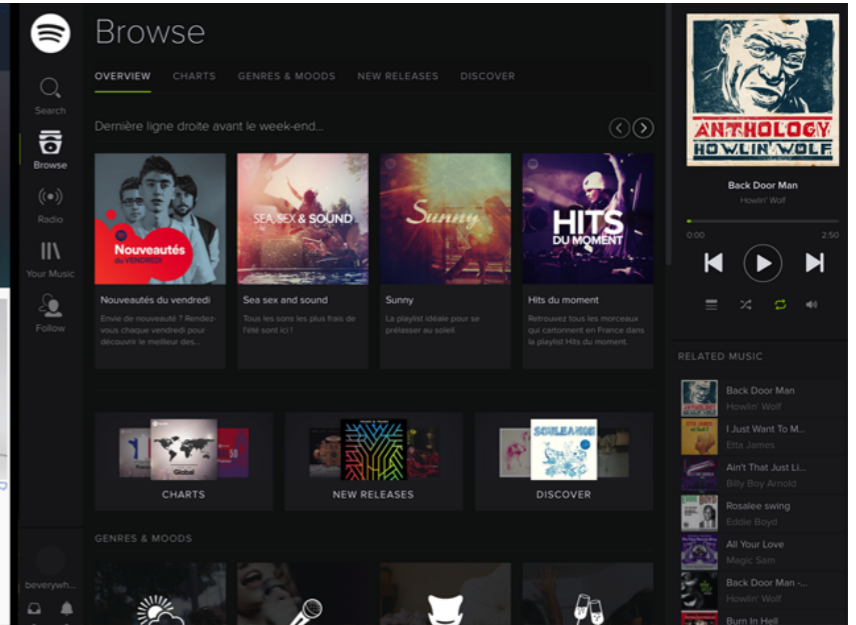
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Sea, sex & sound

Sunny

HITS DU MOMENT

Back Door Man

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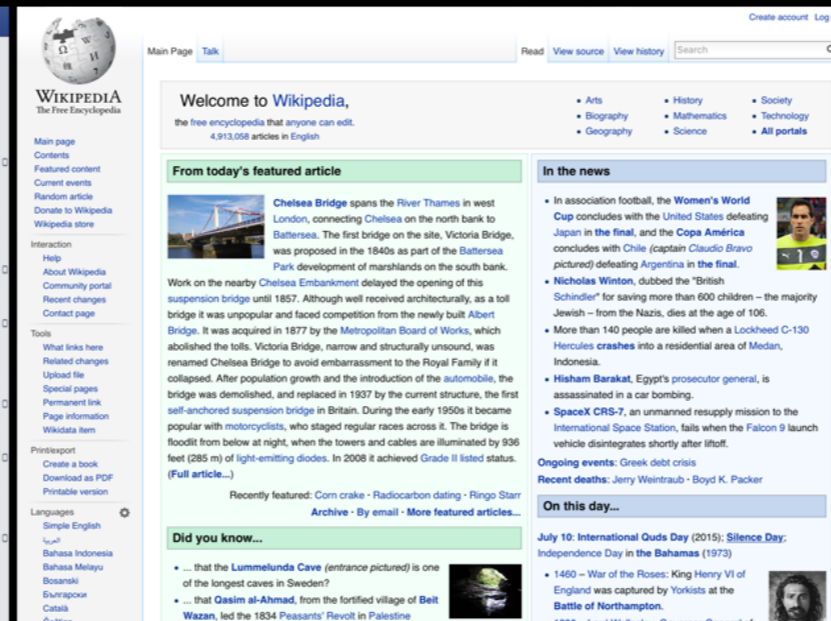
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Le Monde.fr

Grèce : comment la France assiste les négociateurs grecs... en coulisse

The New York Times a partagé un lien.

Greece's Economy Is a Lesson for Republicans in the U.S.



WIKIPEDIA The Free Encyclopedia

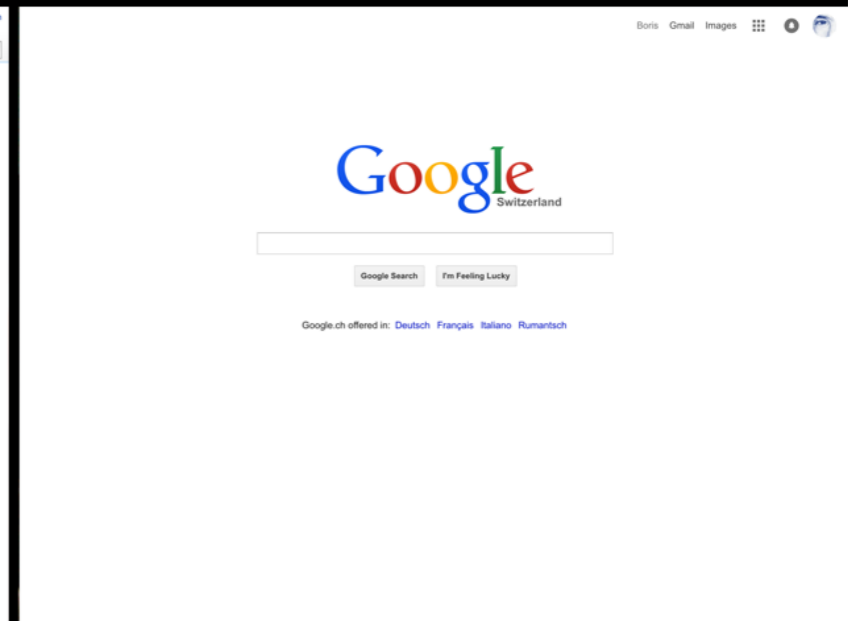
Welcome to Wikipedia, the free encyclopedia that anyone can edit.

From today's featured article

Chelsea Bridge spans the River Thames in west London, connecting Chelsea on the north bank to Battersea. The first bridge on the site, Victoria Bridge, was proposed in the 1840s as part of the Battersea Park development of marshlands on the south bank.

In the news

Chelsea Bridge spans the River Thames in west London, connecting Chelsea on the north bank to Battersea. The first bridge on the site, Victoria Bridge, was proposed in the 1840s as part of the Battersea Park development of marshlands on the south bank.



Google Switzerland

Google Search I'm Feeling Lucky

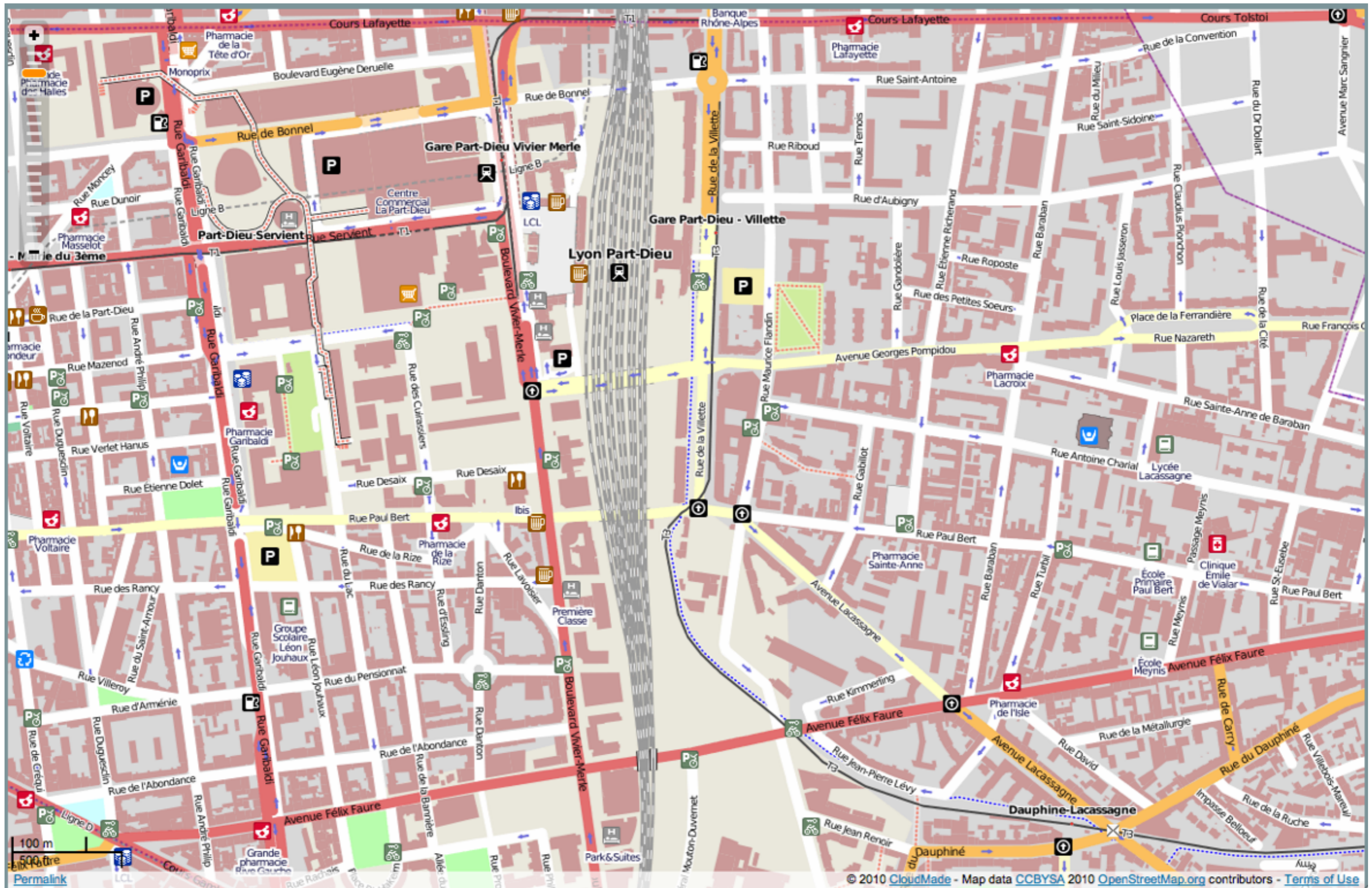
Google.ch offered in: Deutsch Français Italiano Rumantsch

Lieux réticulaires, 2008, Boris Beaudé
edX, Amazon, Spotify, Facebook, Wikipedia, Google...

Maximiser l'interaction sociale

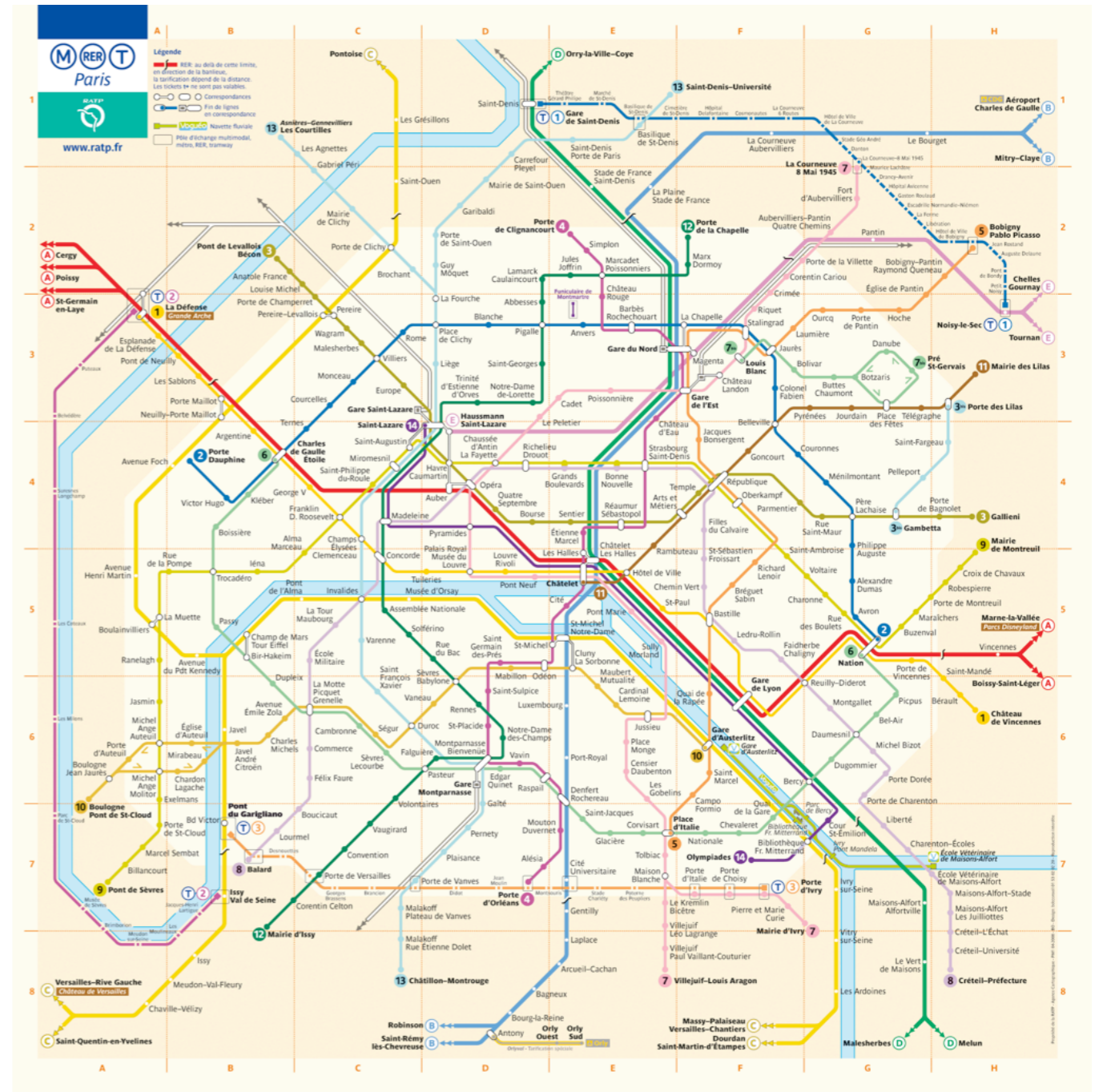
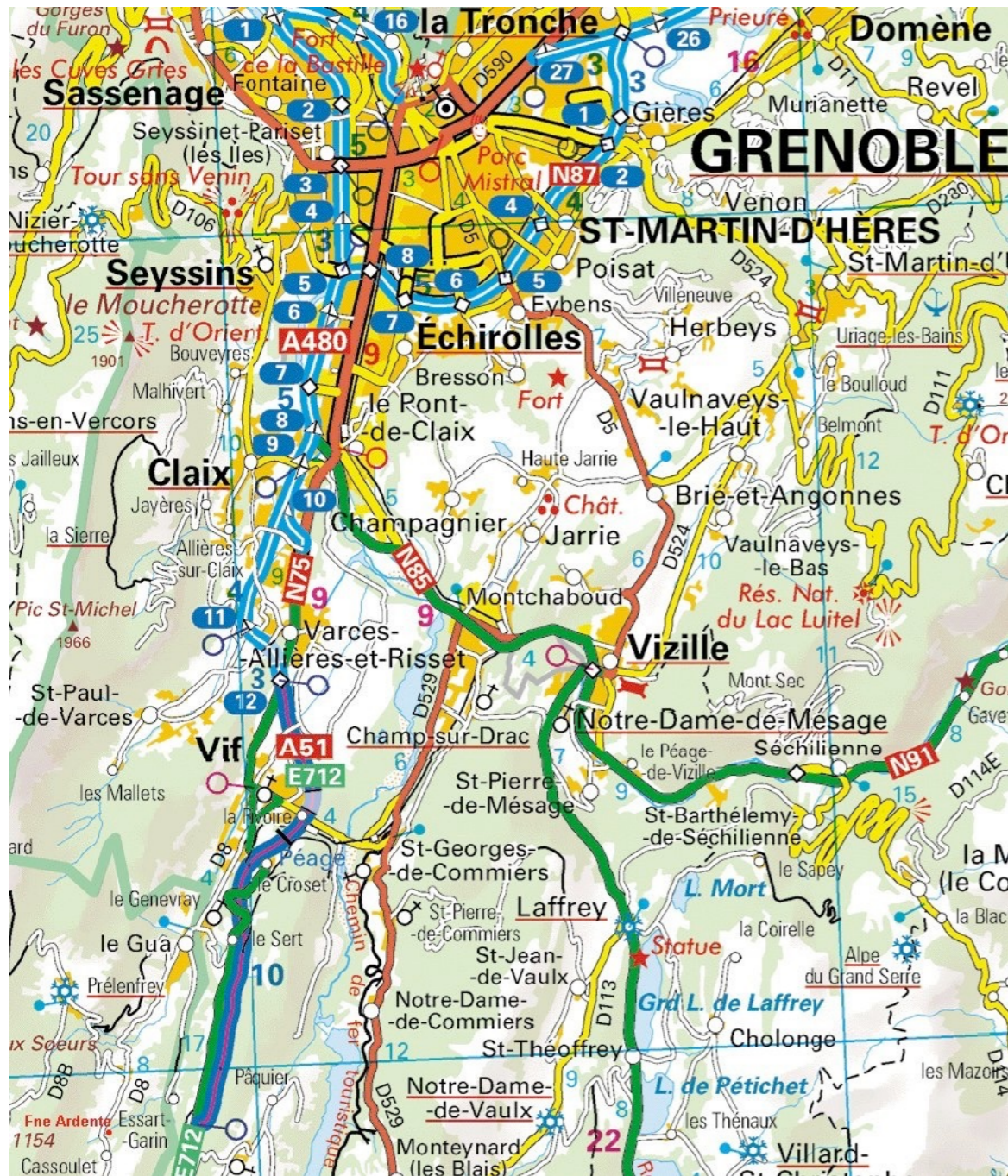
Hybridation

L'information spatiale



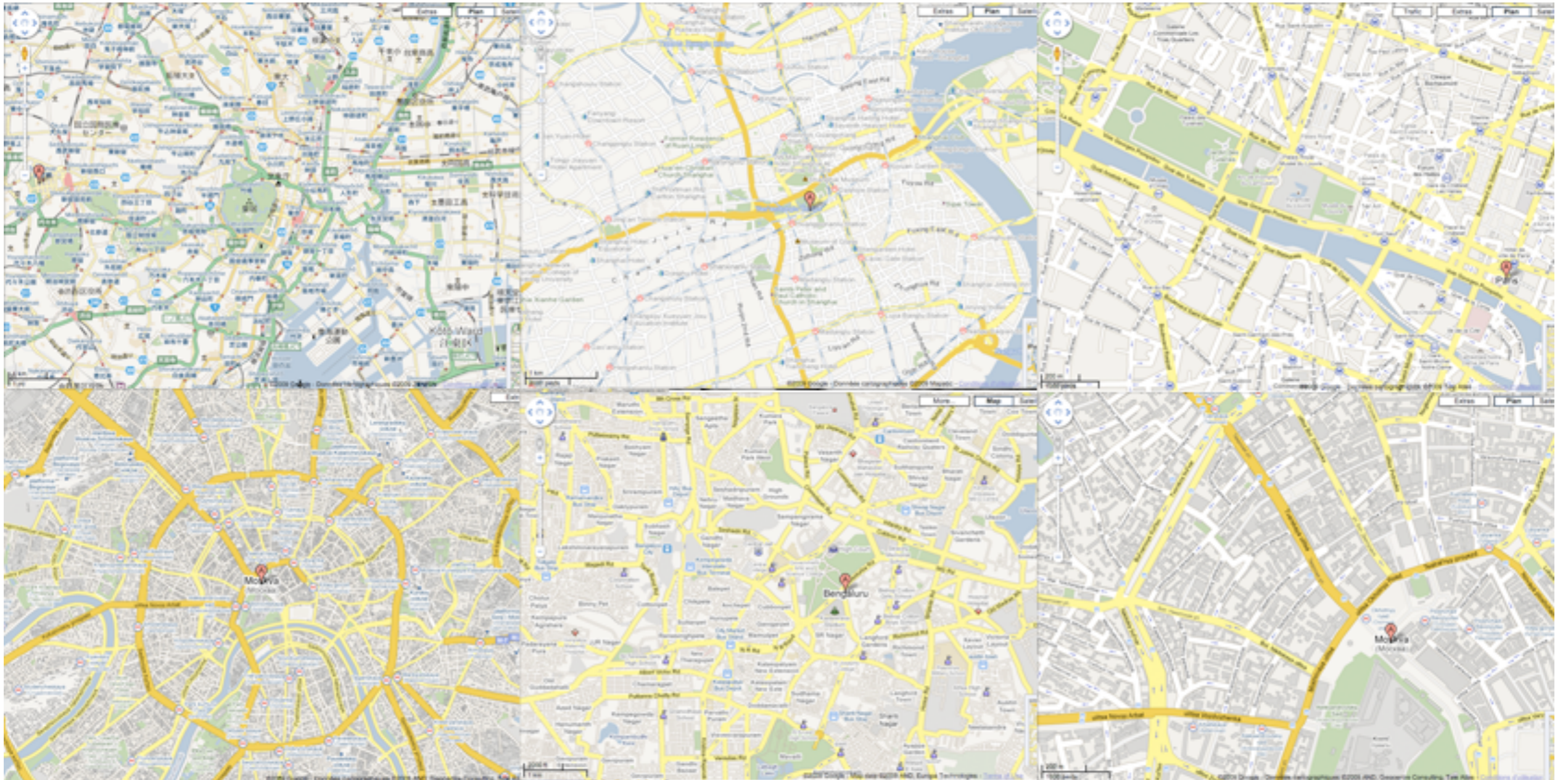
Créer des analogies

L'information spatiale



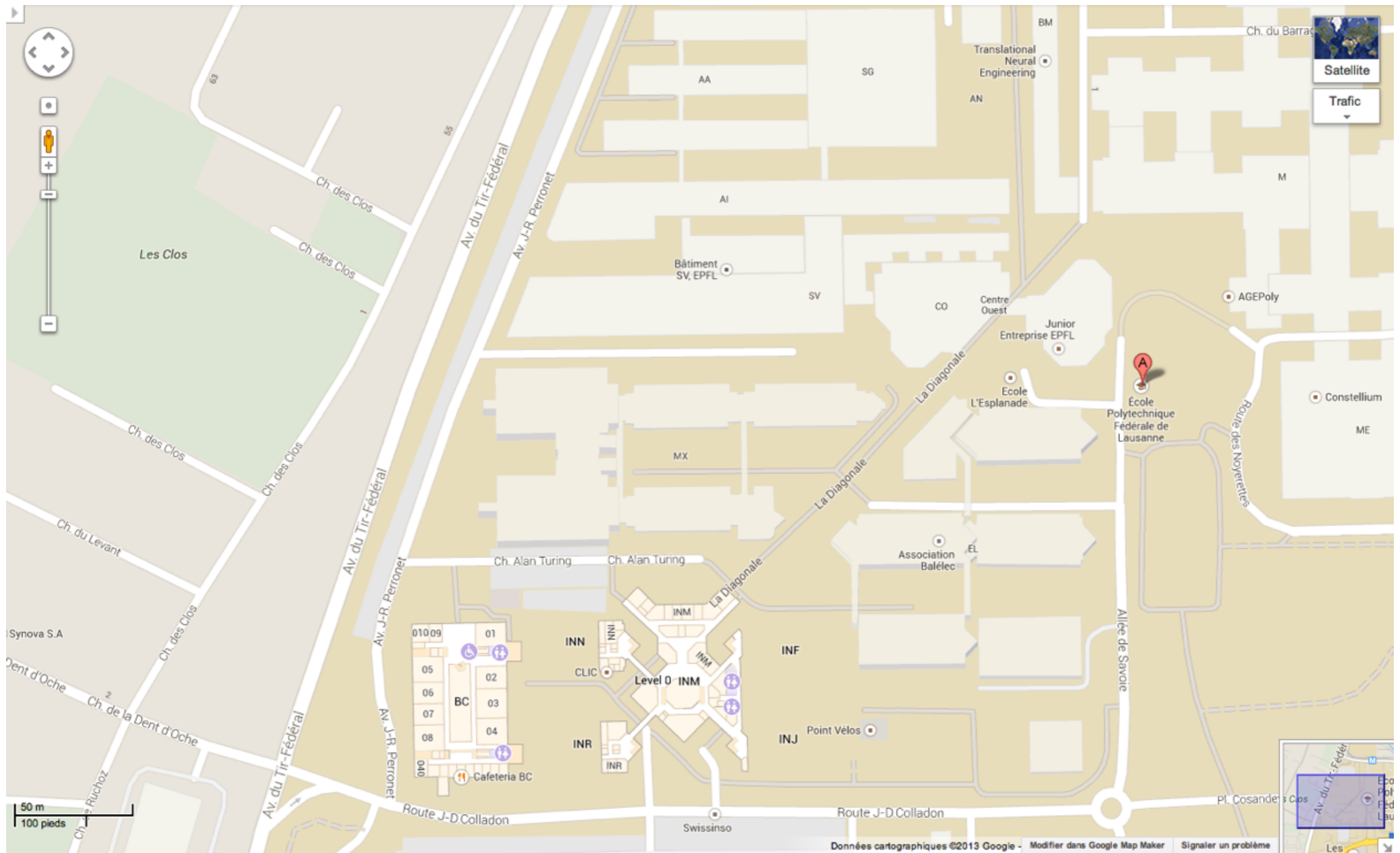
La carte, un instruments de liberté

L'information spatiale



Le fond de carte permet les analogies

L'information spatiale



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L'information spatiale



L'information spatiale



HERE & THERE

A horizonless projection in Manhattan

**SCHULZE
& WEBB**

Jack Schulze and Matt Webb

L'information spatiale



L'information spatiale



L'information spatiale



Pourquoi un tel risque ?

- Dépendance à Google
- Décalage de la version iPhone et Android

Quel décalage ?

- Cartes vectorielles
- Utilisation hors connexion

Quels enjeux ?

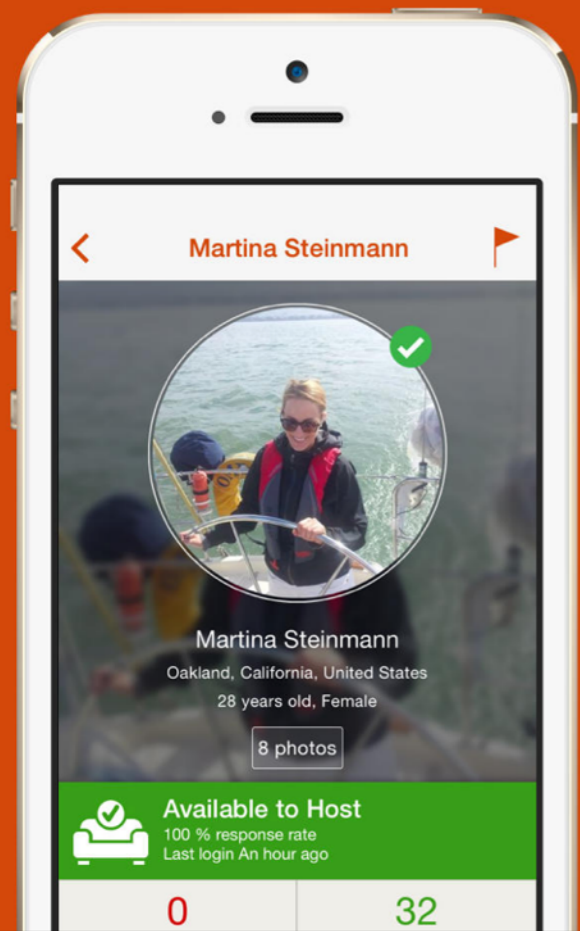
- Vectoriel > temps de chargement
- Offline > mobilité
- La maîtrise de la base de données (géomarketing)

> Des enjeux spatiaux

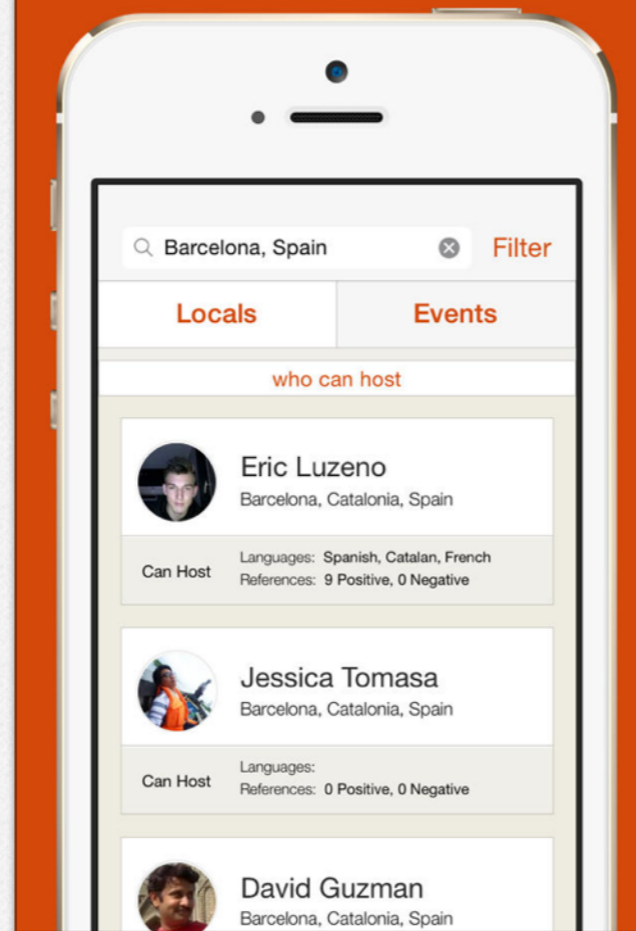
Rendre visible l'invisible

L'information spatiale

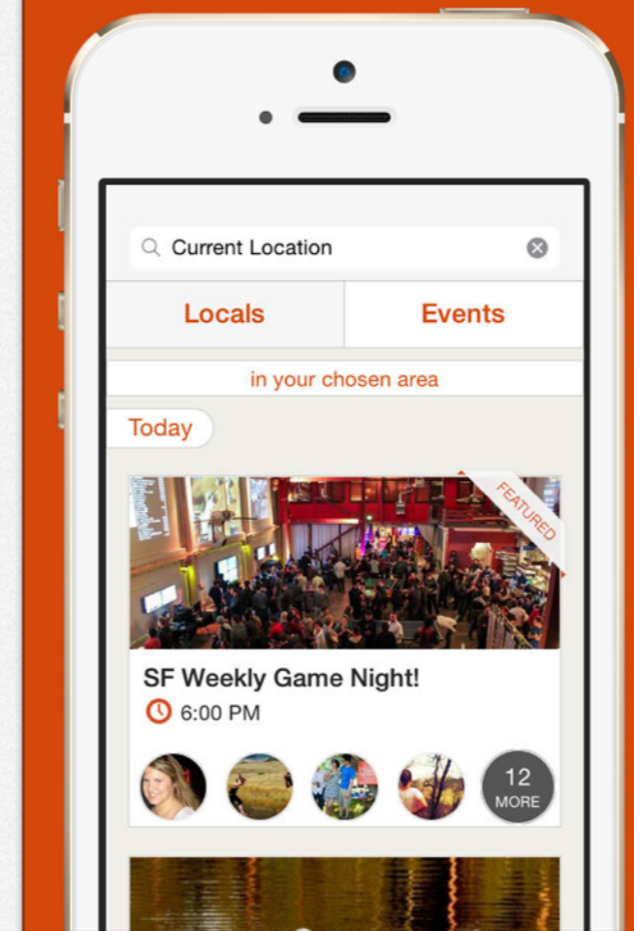
Stay with locals,
not at hotels



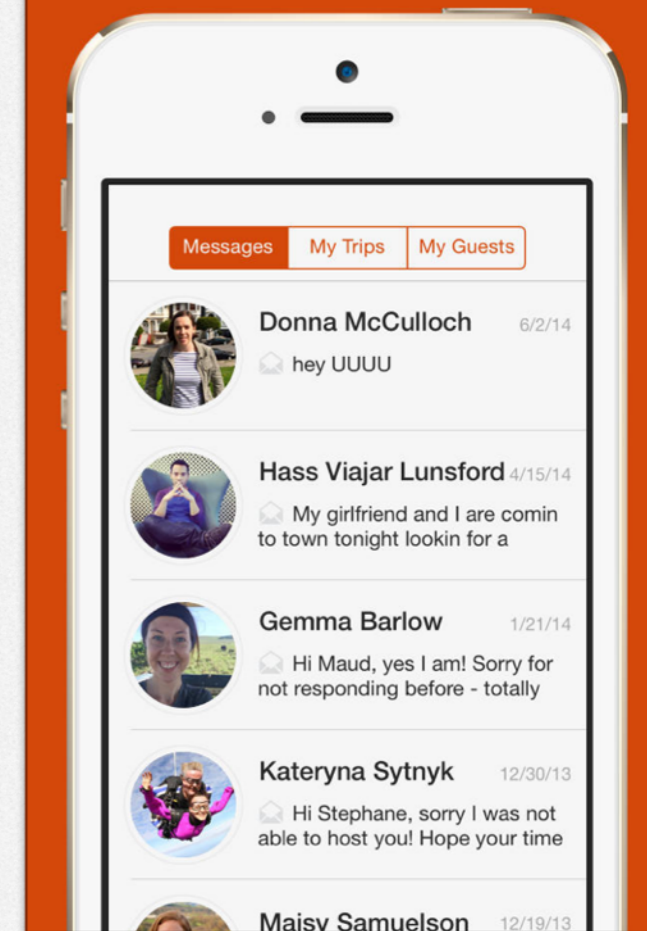
5.6 million hosts
in 120,000 cities



Meet up with locals
wherever you are

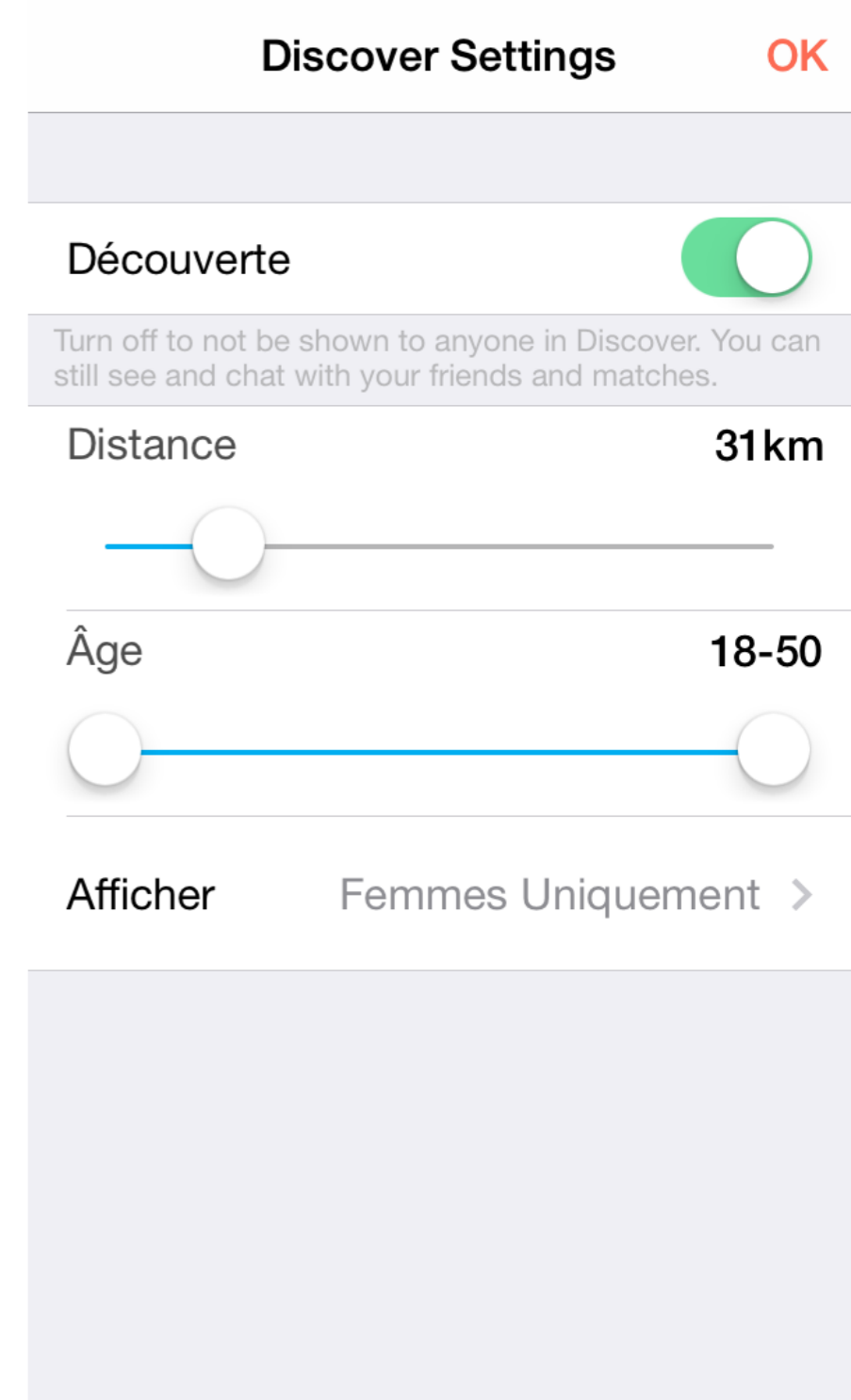
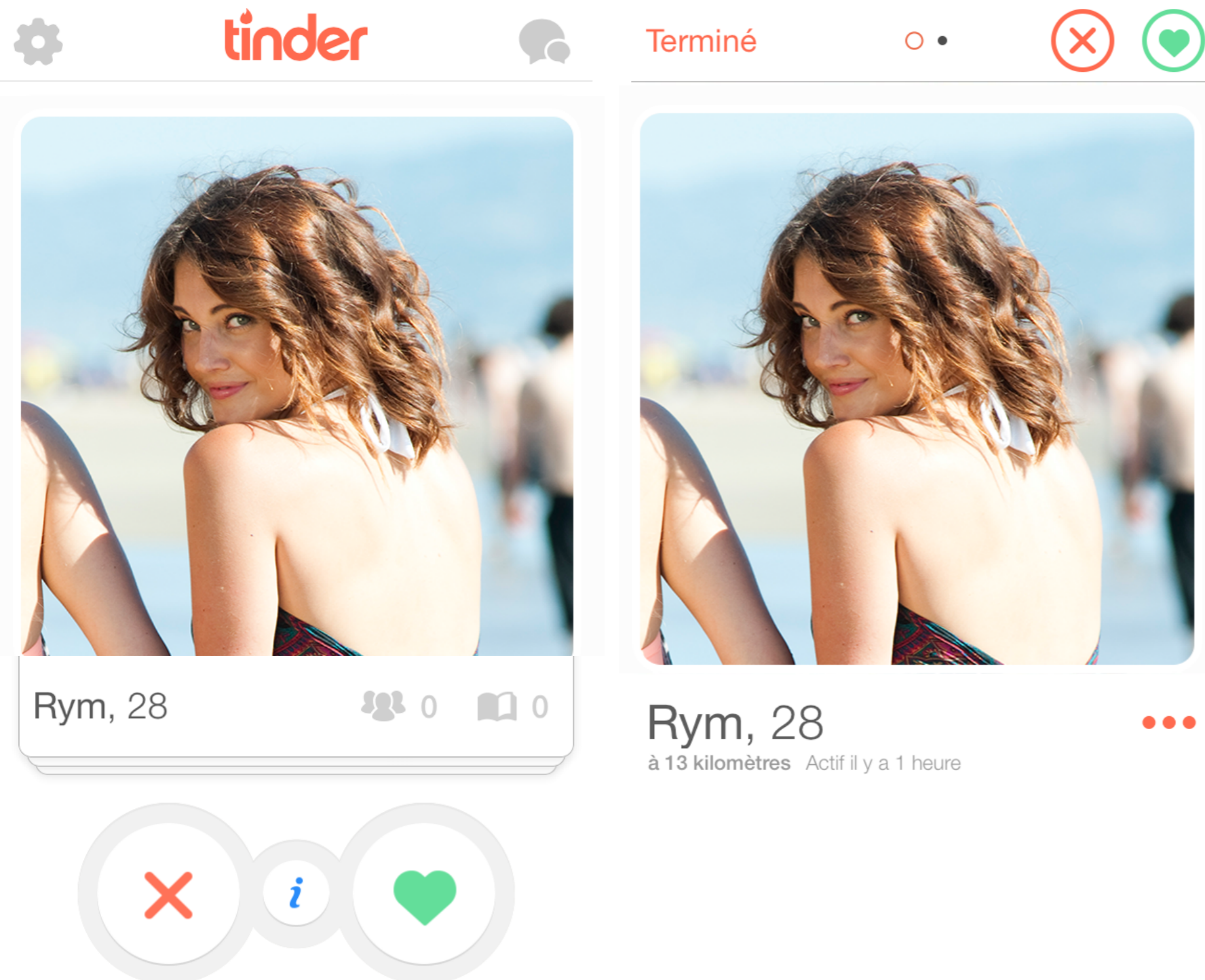


You've got friends
in every country



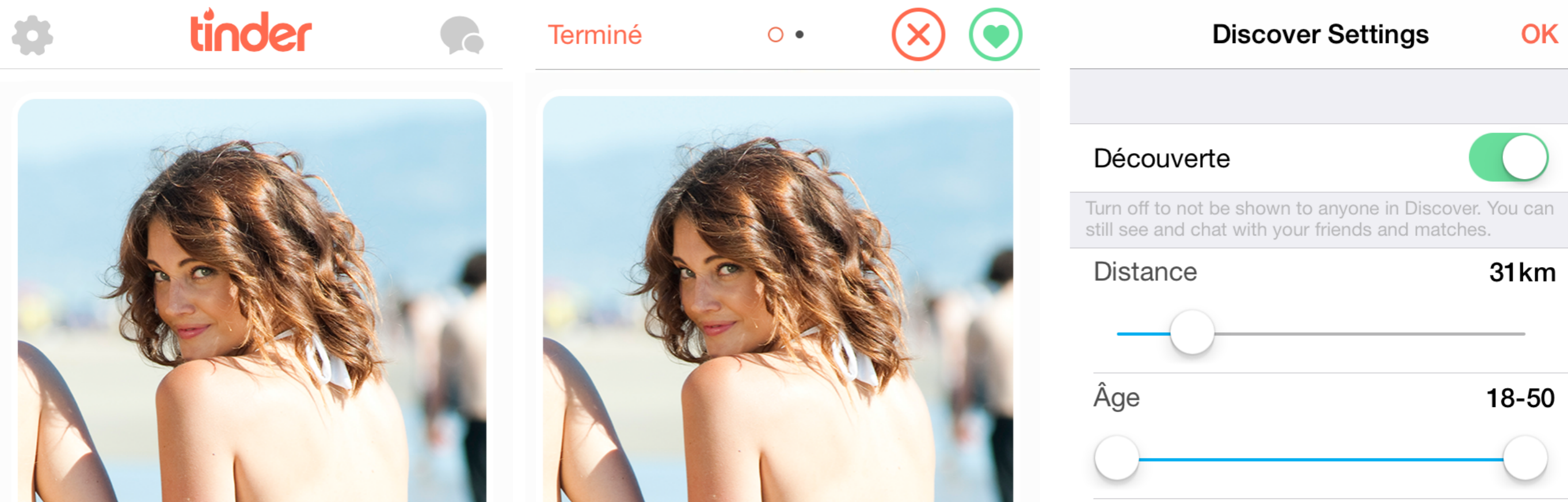
Couchsurfing, 2014

L'information spatiale



Tinder 2014

L'information spatiale



Eliminate social barriers.

Tinder's vision is to eliminate the barriers involved in making new connections and strengthening existing ones. We believe in fun and familiar experiences that are designed to emulate and advance real world interactions.

Tinder 2014

L'information spatiale

COMMANDEZ VOTRE
CHAUFFEUR EN UN CLIC



uberPOP



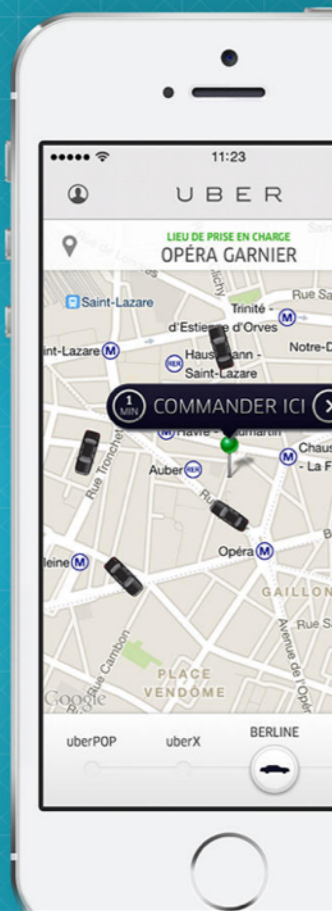
uberX



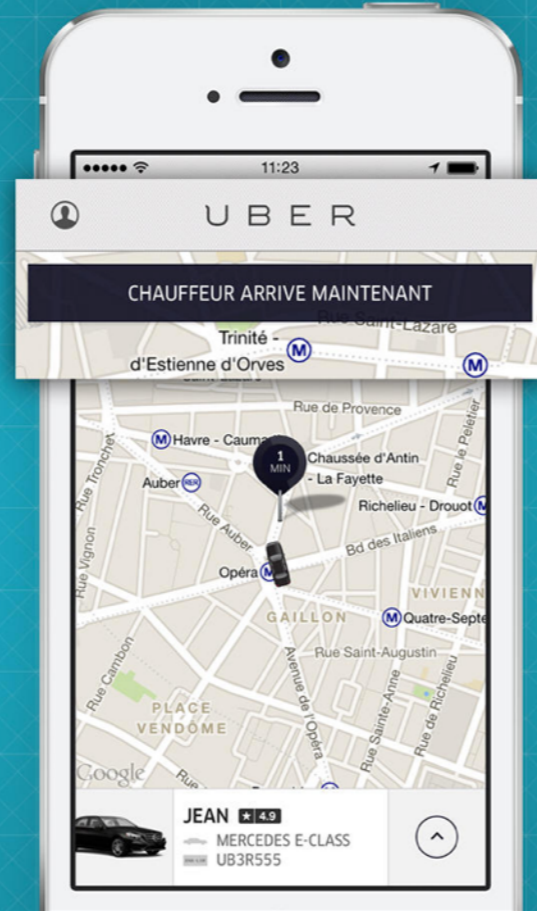
UberBERLINE



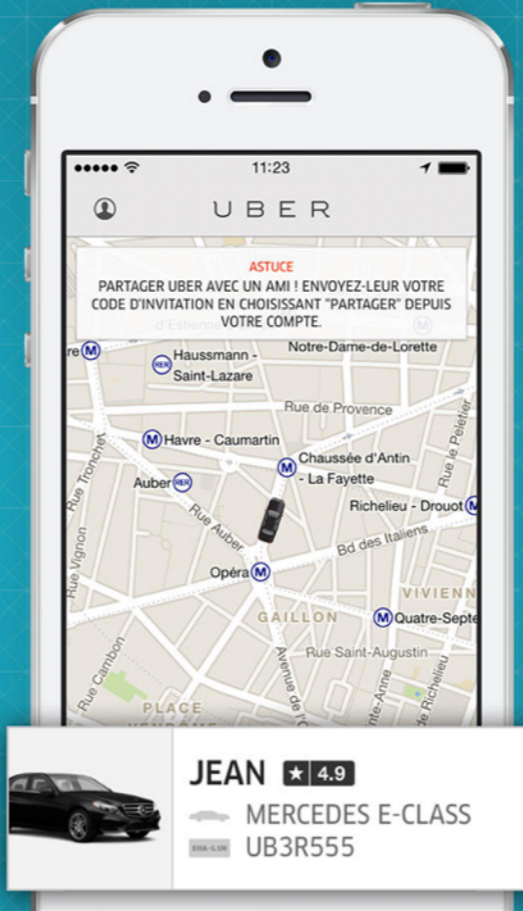
UberVAN



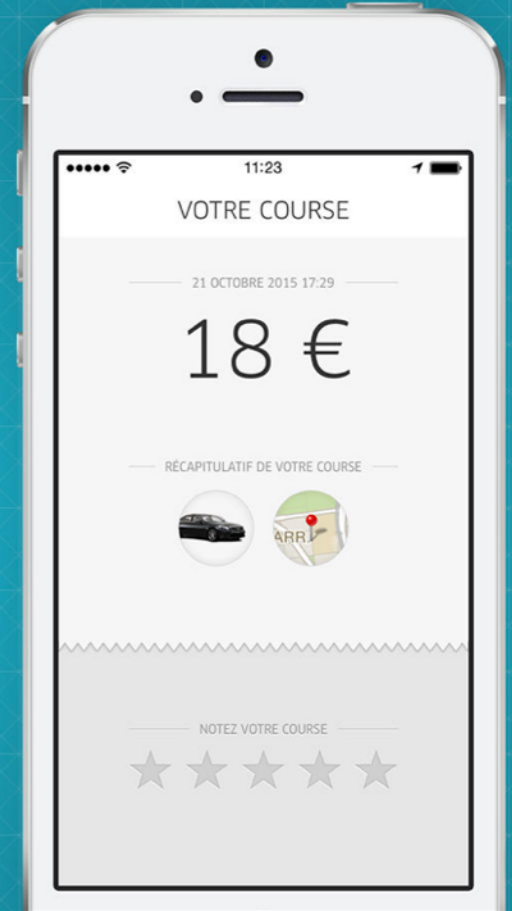
OBSERVEZ L'ARRIVÉE DE
VOTRE CHAUFFEUR EN
TEMPS RÉEL



VOYAGEZ AVEC UN
CHAUFFEUR 5 ÉTOILES



PAYEZ AVEC VOTRE
TÉLÉPHONE. PAS BESOIN
D'UTILISER DES ESPÈCES.



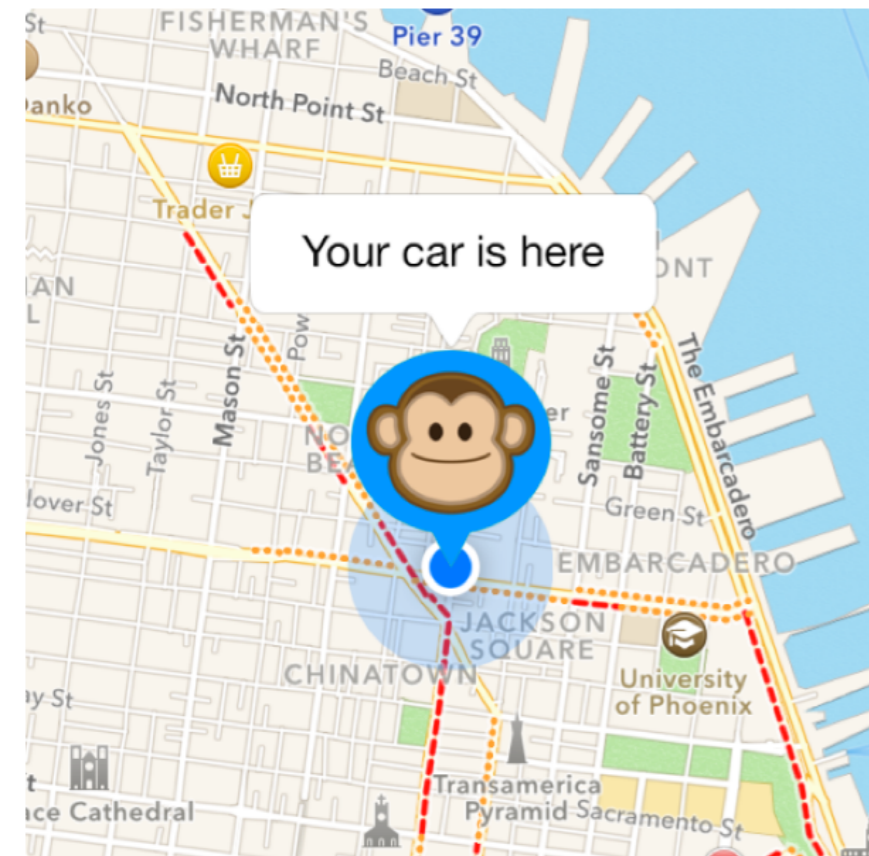
Uber, 2014

Rendre lisibles les villes invisibles

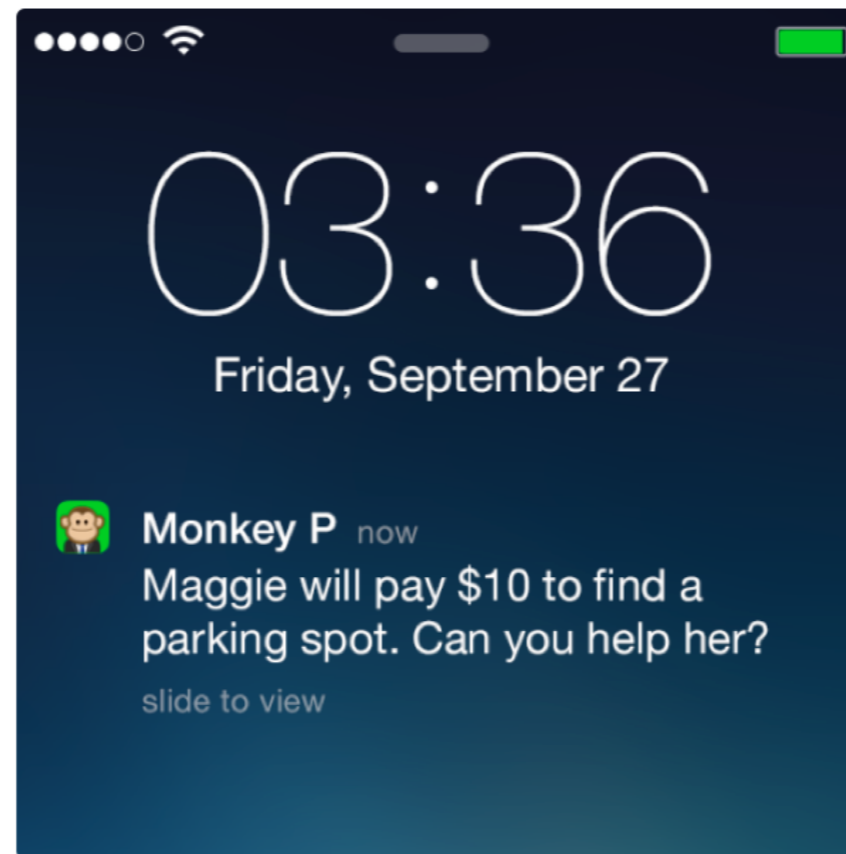


MONKEYPARKING

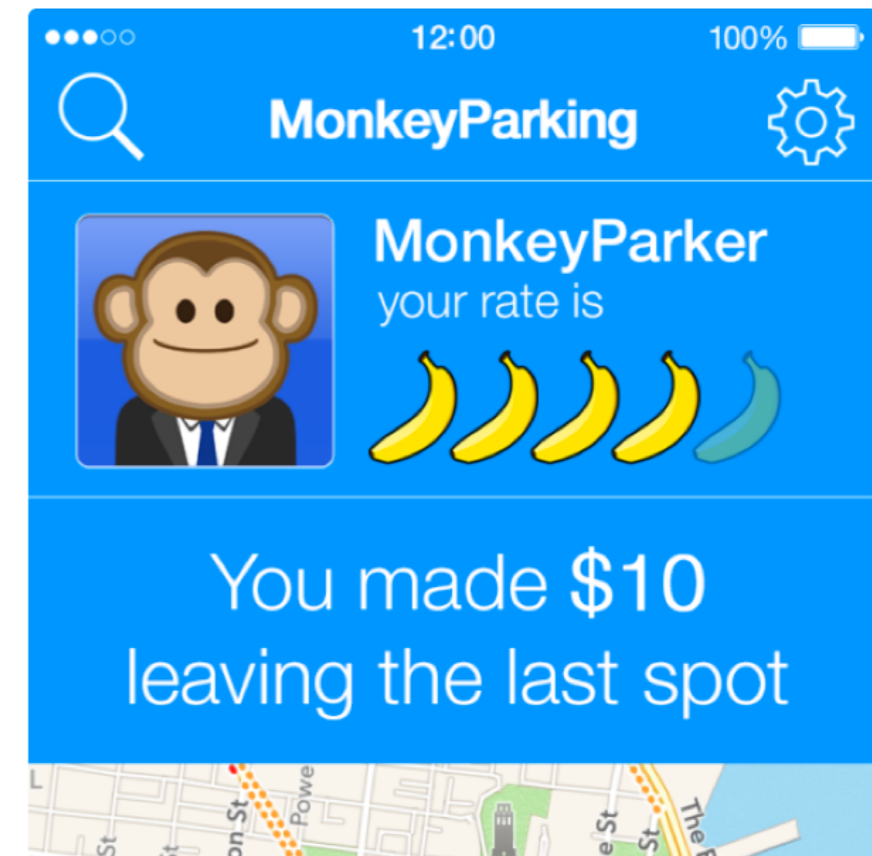
on-street parking on demand



Park your car



Start receiving alerts



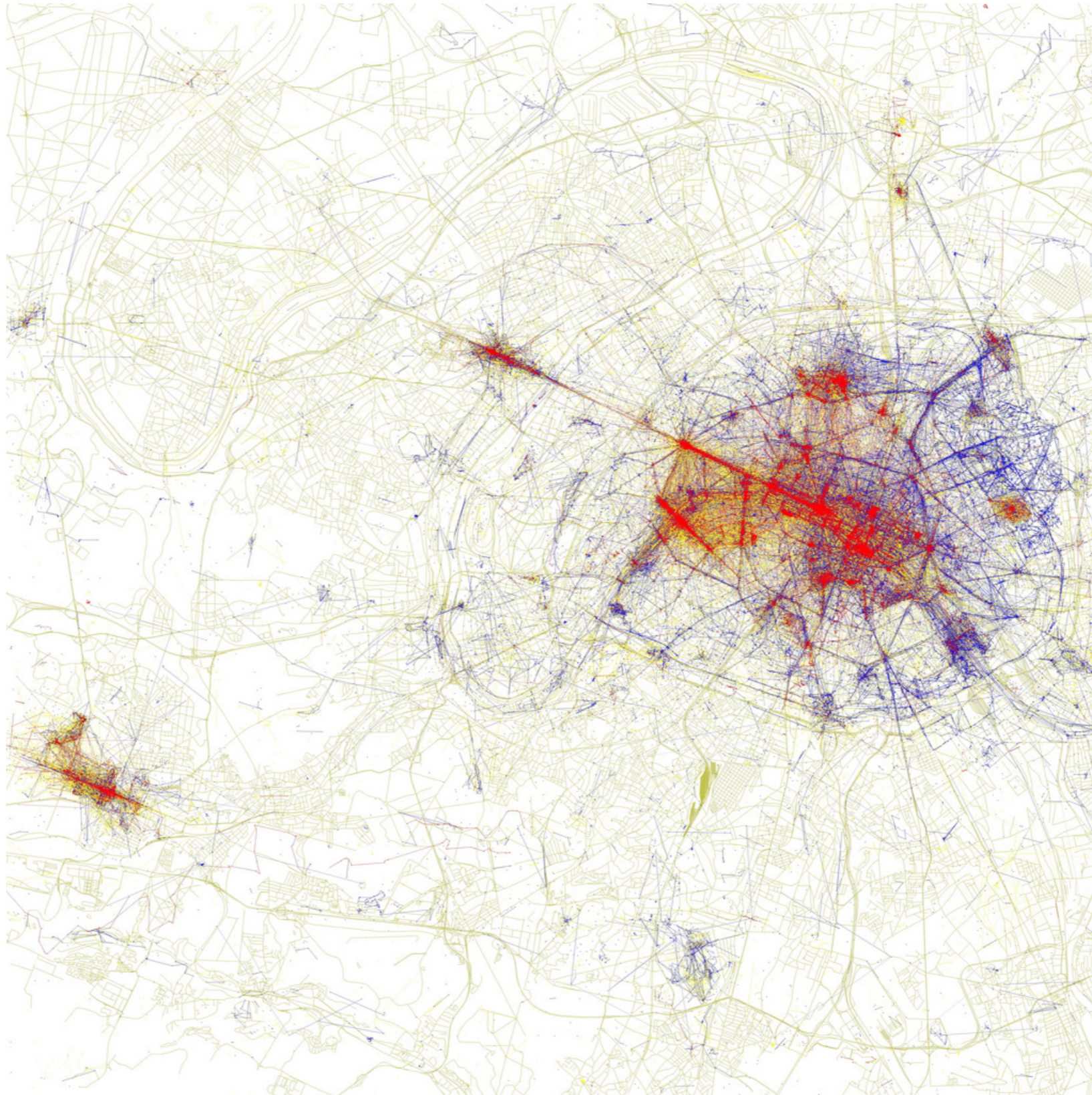
Get connected and leave the spot

MonkeyParking, San Francisco, 2014

L'information spatiale

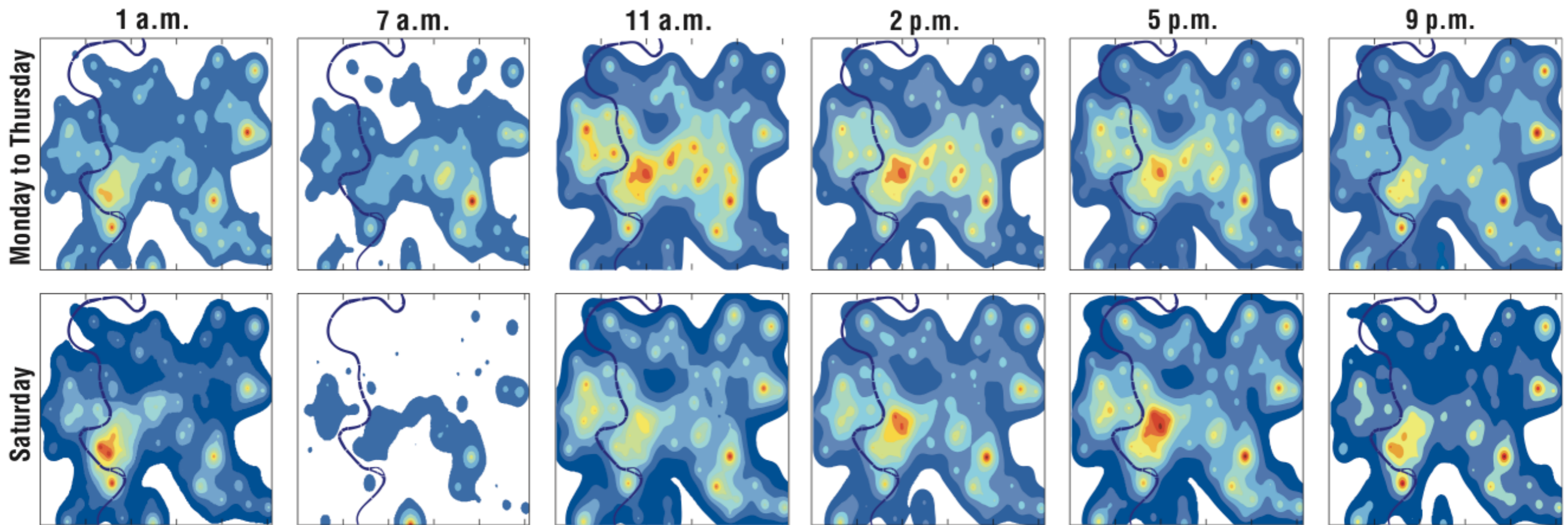


L'information spatiale



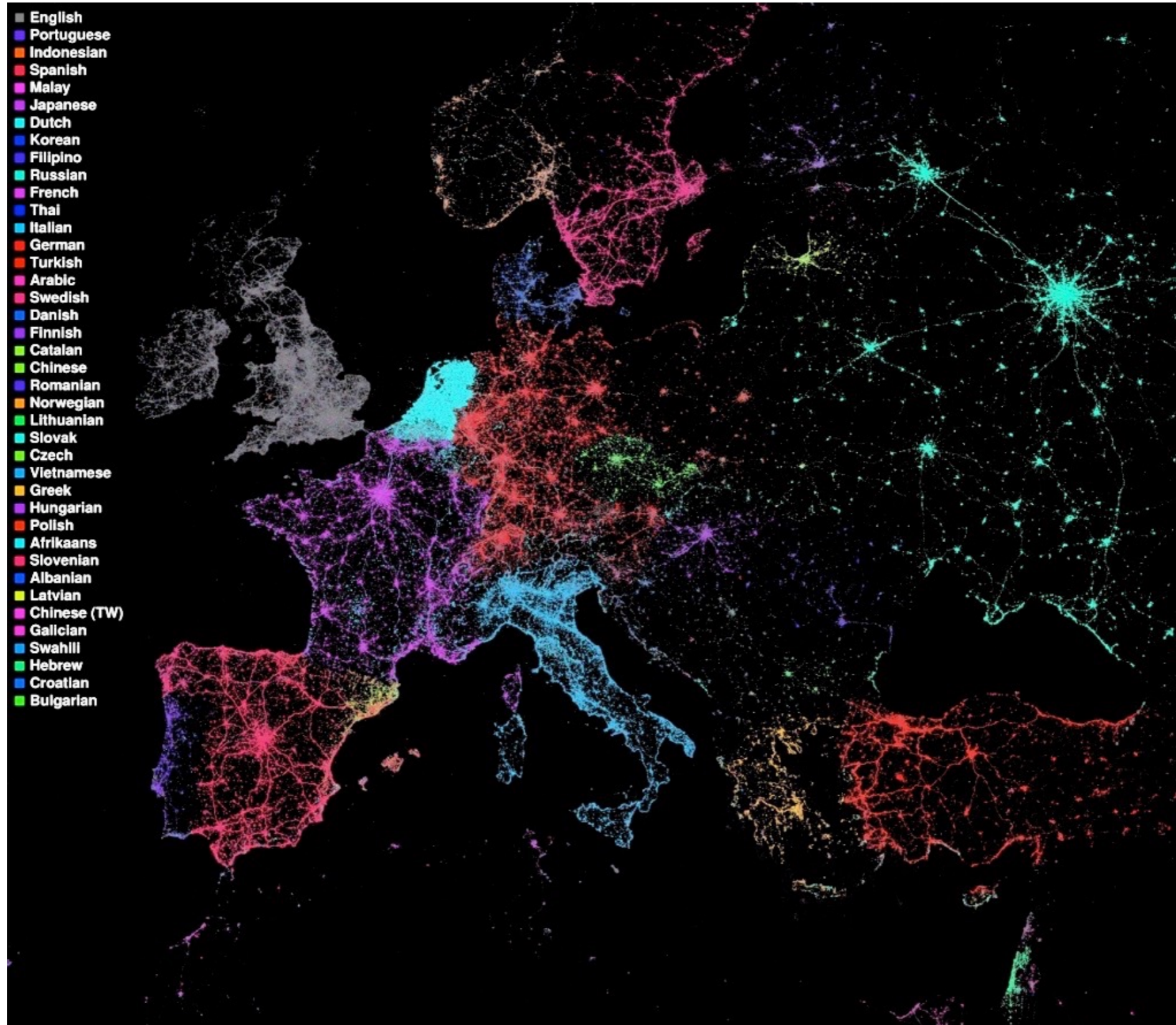
Eric Fischer / 2010 / Paris / **Locals and Tourists**

L'information spatiale



Reades, J et al. 2007. "Cellular Census: Explorations in Urban Data Collection." IEEE Pervasive Computing 6(3): 30–38.

L'information spatiale



Eric Fischer, **Language communities of Twitter**, 2011

L'information spatiale



hubcab



HubCab is an interactive visualization that invites you to explore the ways in which over 150 million taxi trips connect the City of New York in a given year. [Show me how it works.](#)



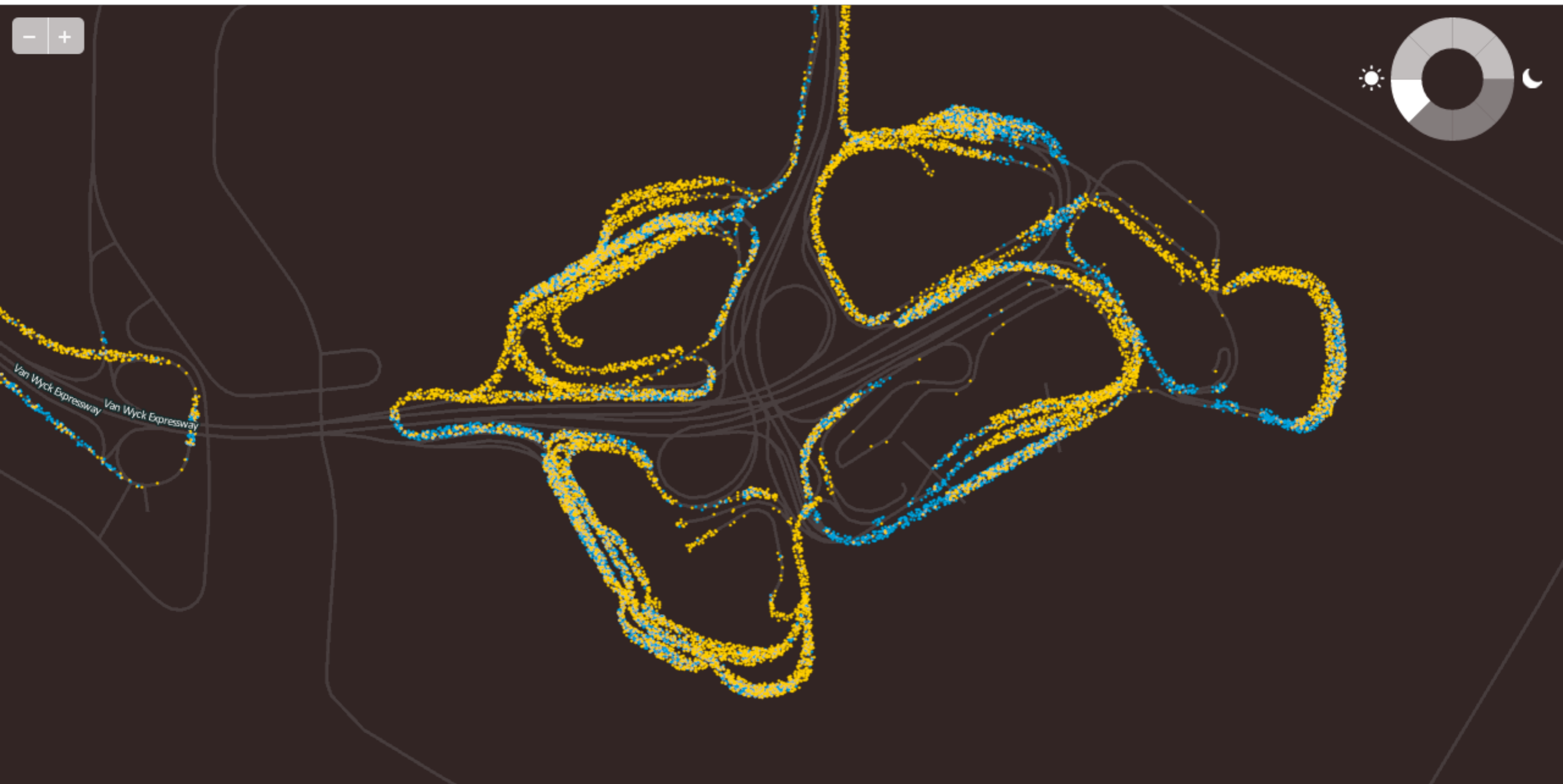
Taxi Pickup



Taxi Dropoff

Hubcab, senseable city lab, 2014

L'information spatiale



hubcab



HubCab is an interactive visualization that invites you to explore the ways in which over 150 million taxi trips connect the City of New York in a given year. [Show me how it works.](#)



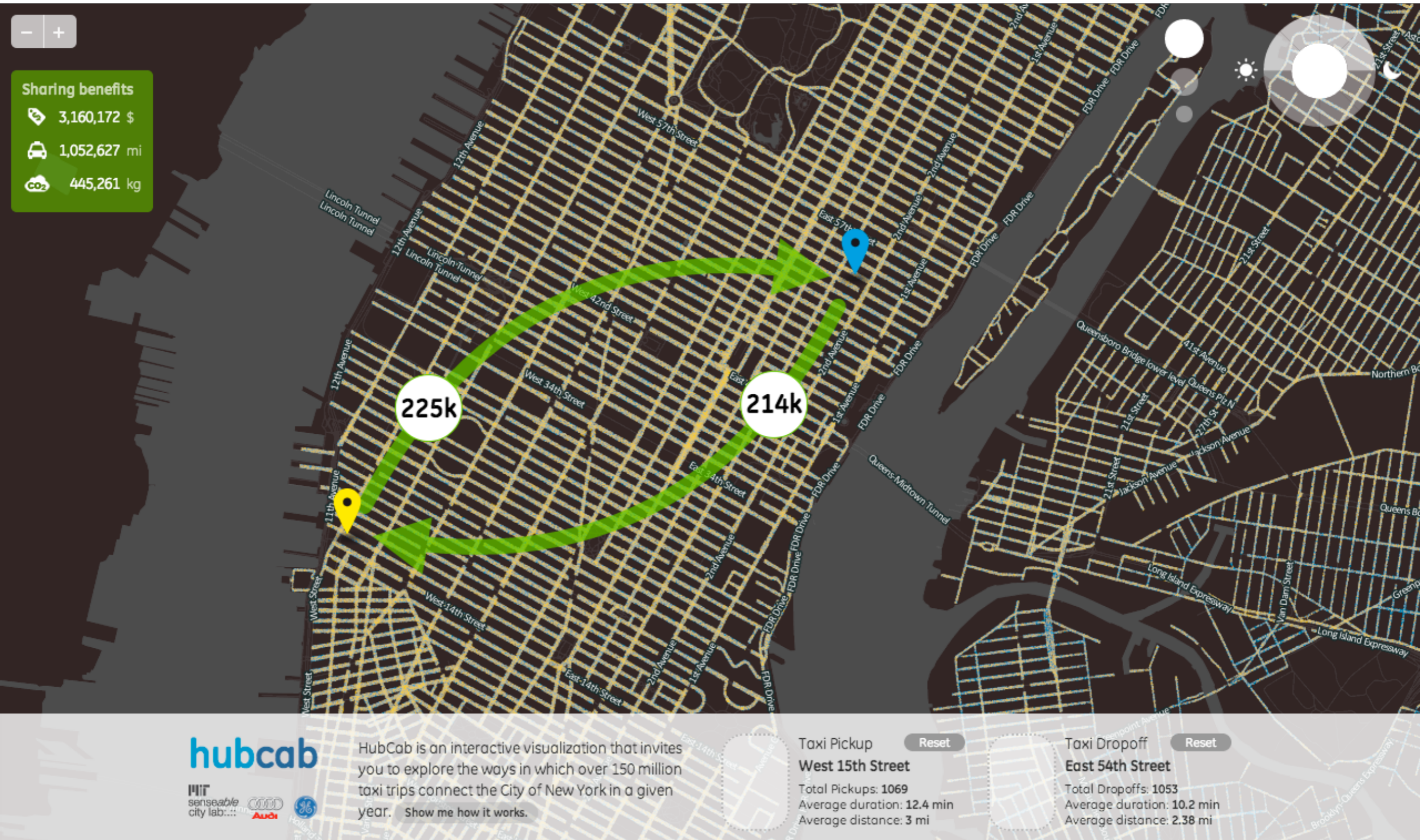
Taxi Pickup



Taxi Dropoff

Hubcab, senseable city lab, 2014

L'information spatiale



Hubcab, senseable city lab, 2014

L'information spatiale

STRAVA

Mobile

Fonctionnalités

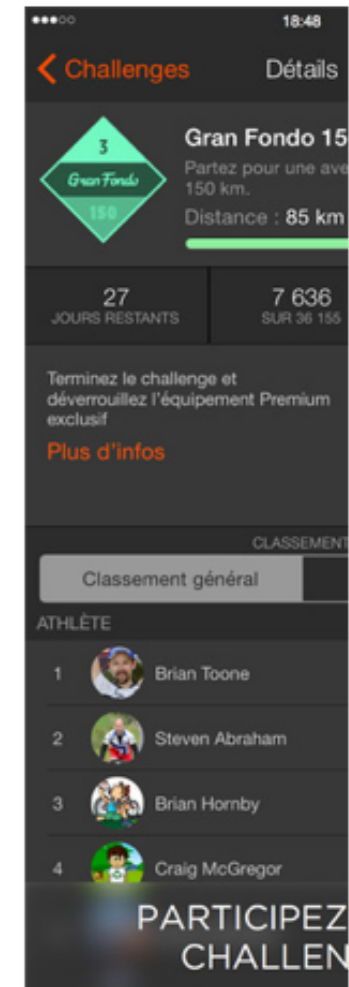
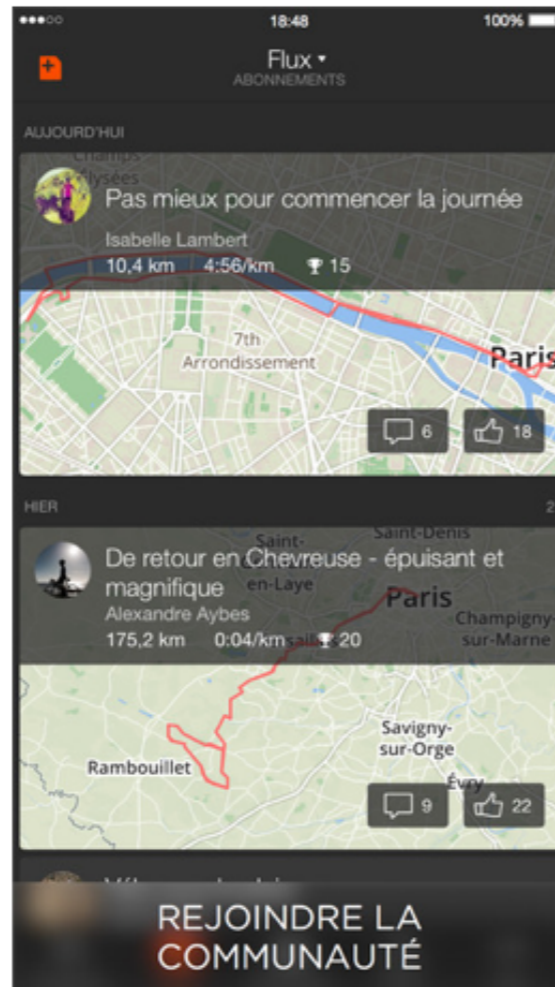
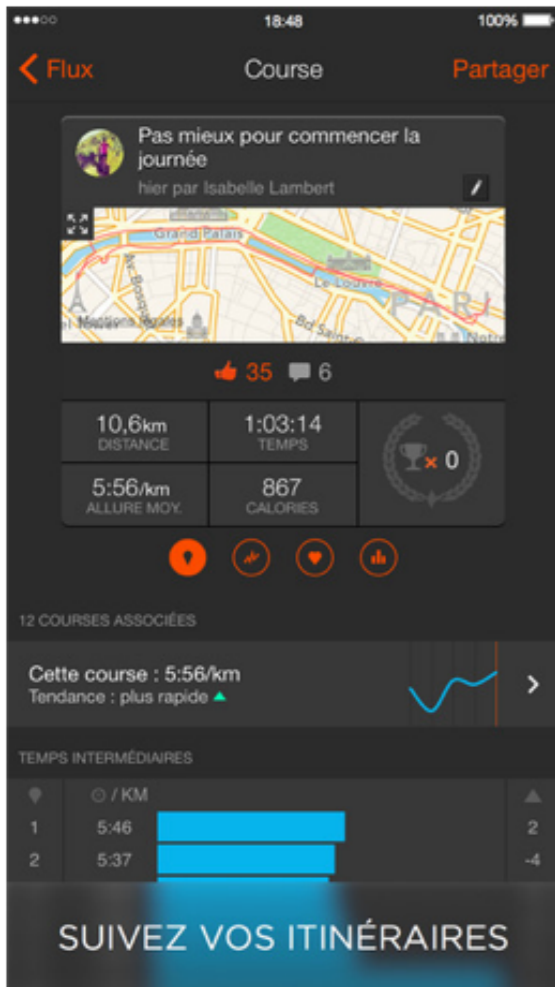
Comment cela fonctionne

Premium

Blog

Se connecter

S'inscrire



Global Heatmap

Find Your City

Heatmap Style

Gray **Blue** Yellow

Path Opacity

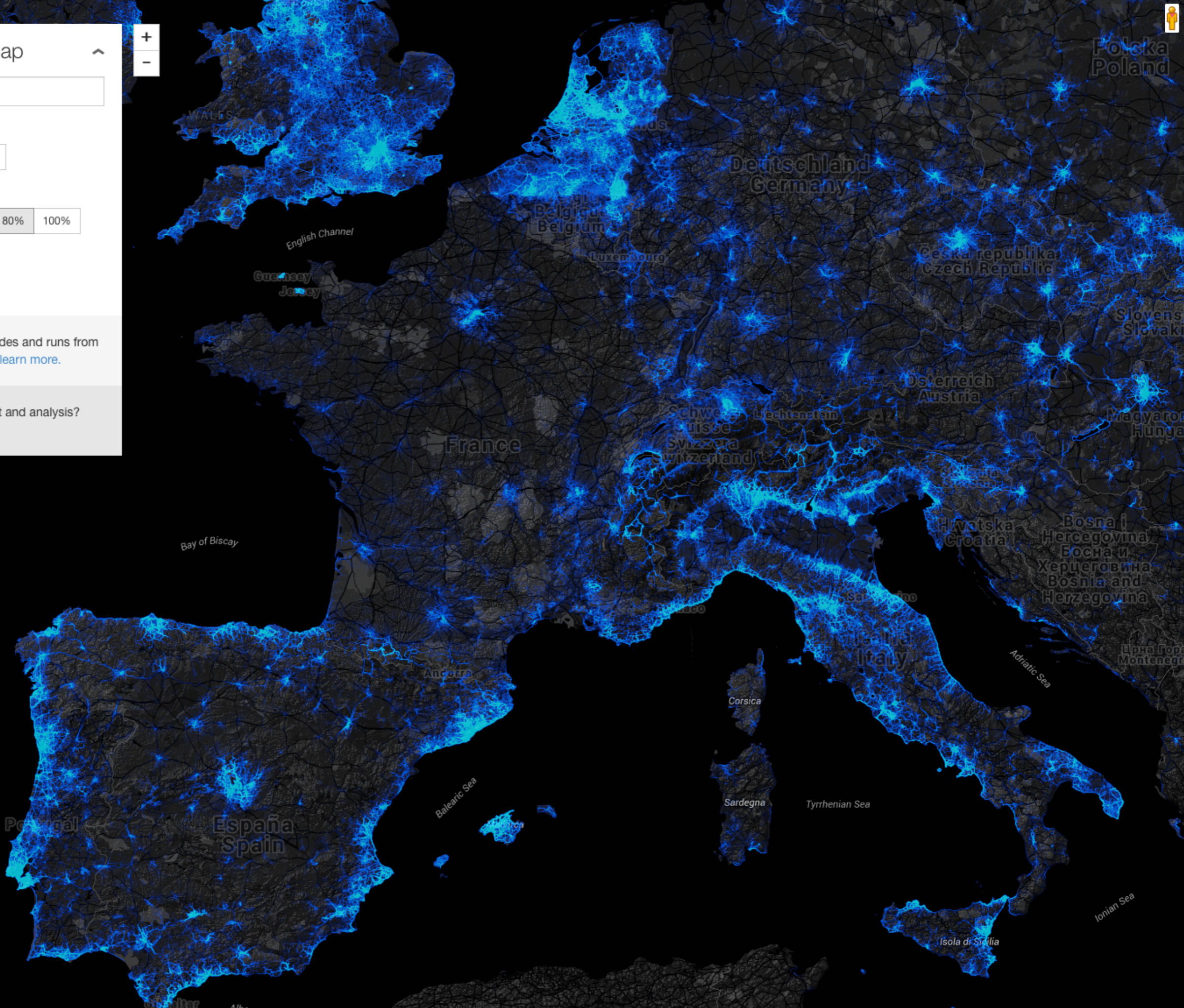
0% 40% 60% **80%** 100%

Activity View

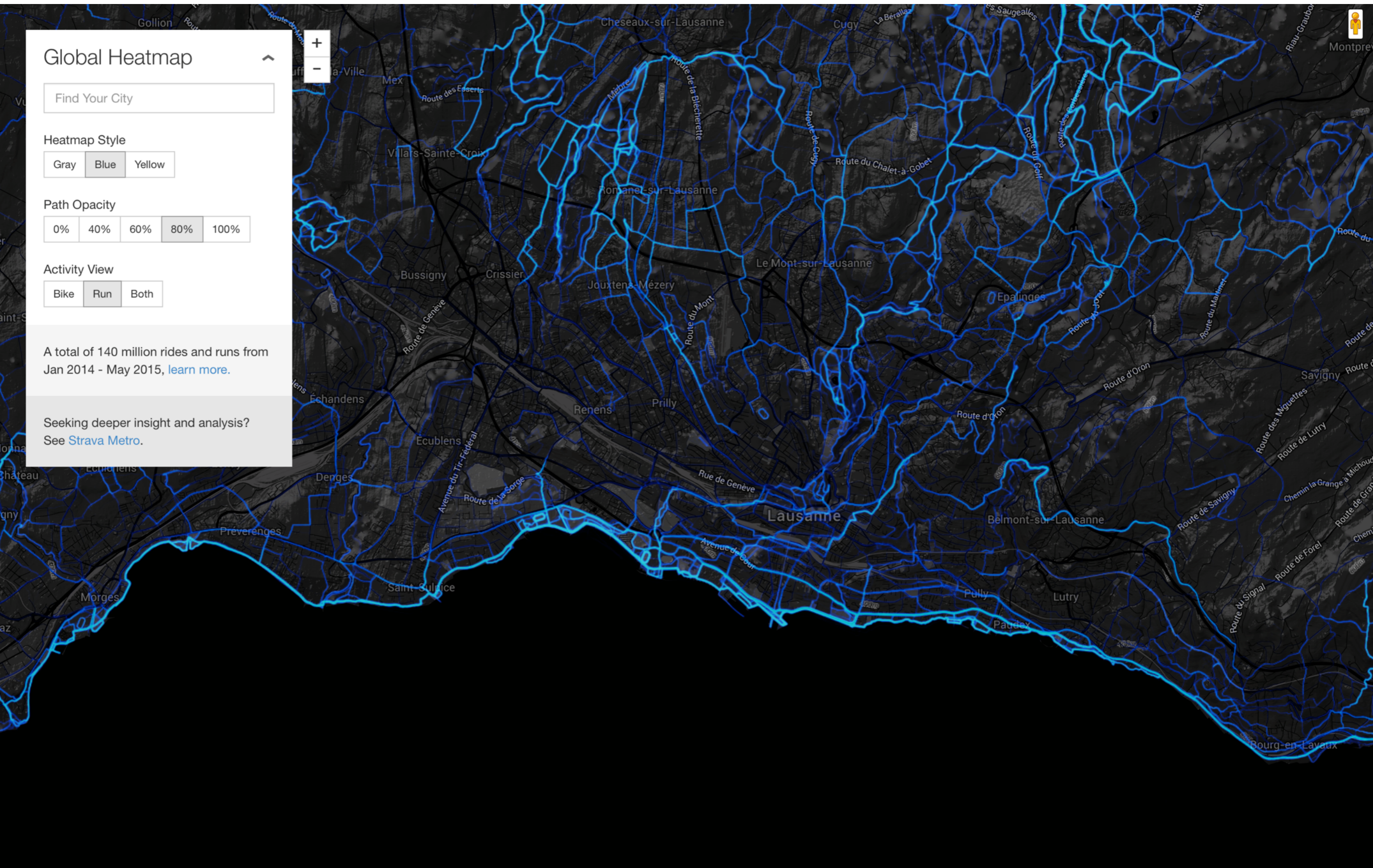
Bike Run **Both**

A total of 140 million rides and runs from Jan 2014 - May 2015, [learn more](#).

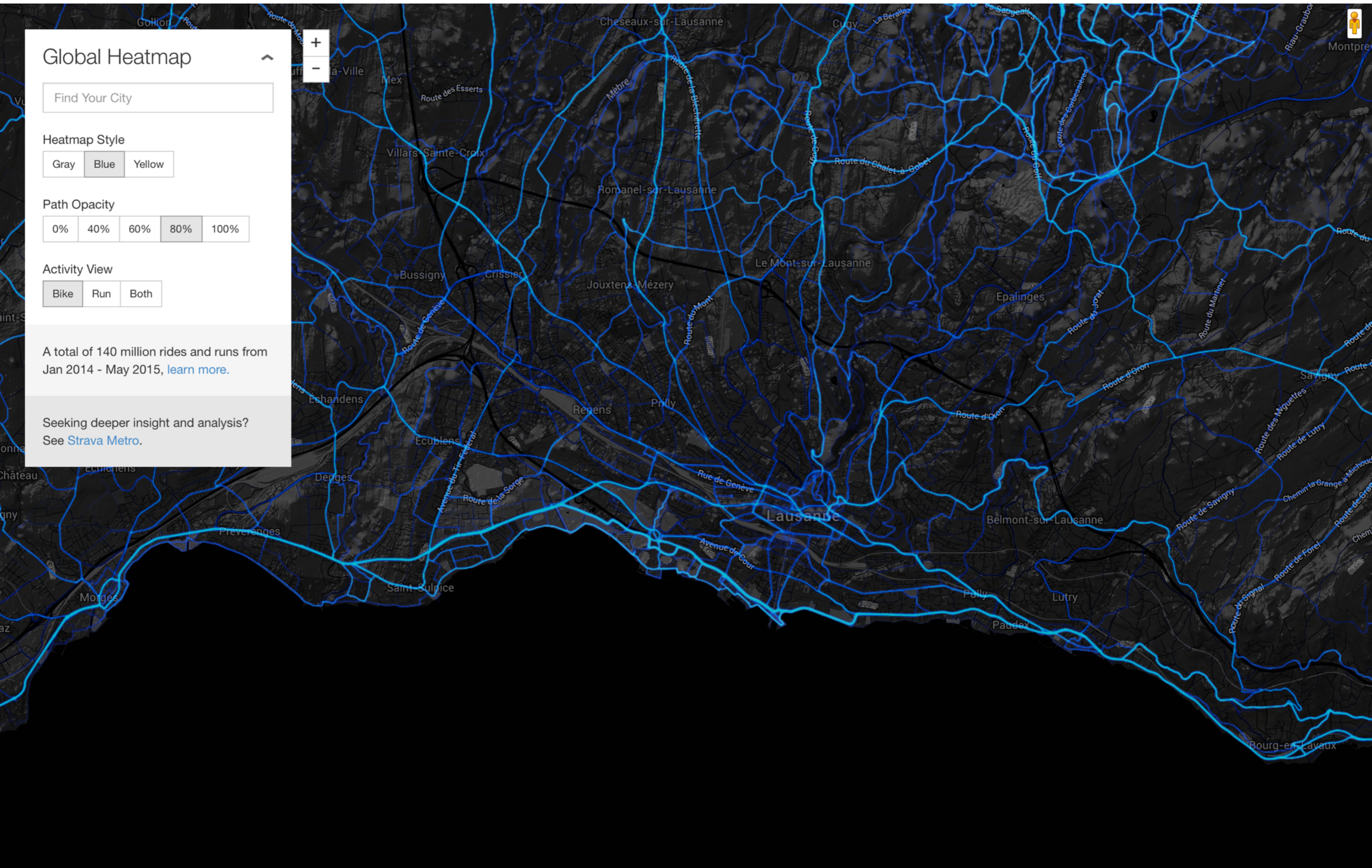
Seeking deeper insight and analysis?
See [Strava Metro](#).



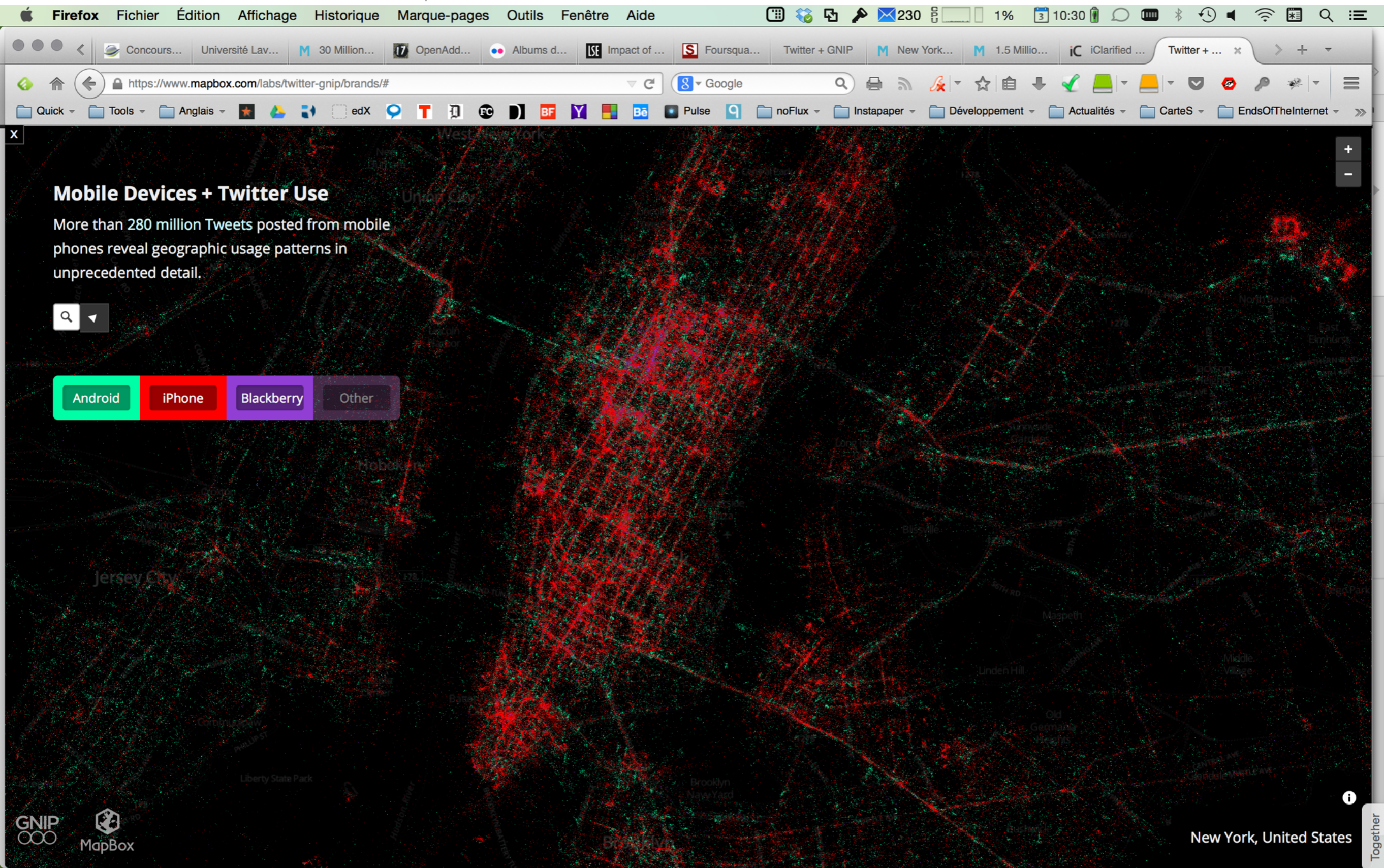
L'information spatiale



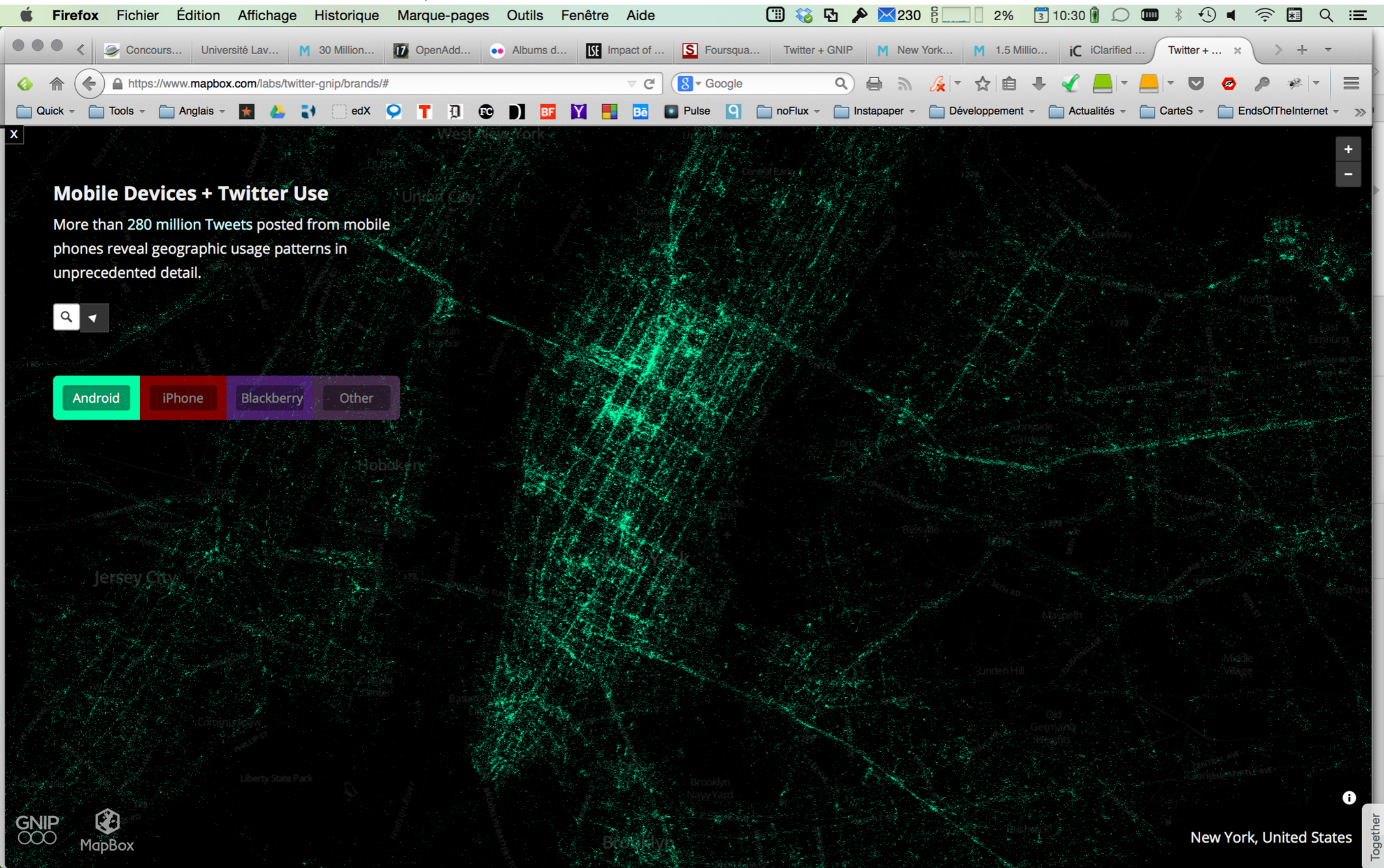
L'information spatiale



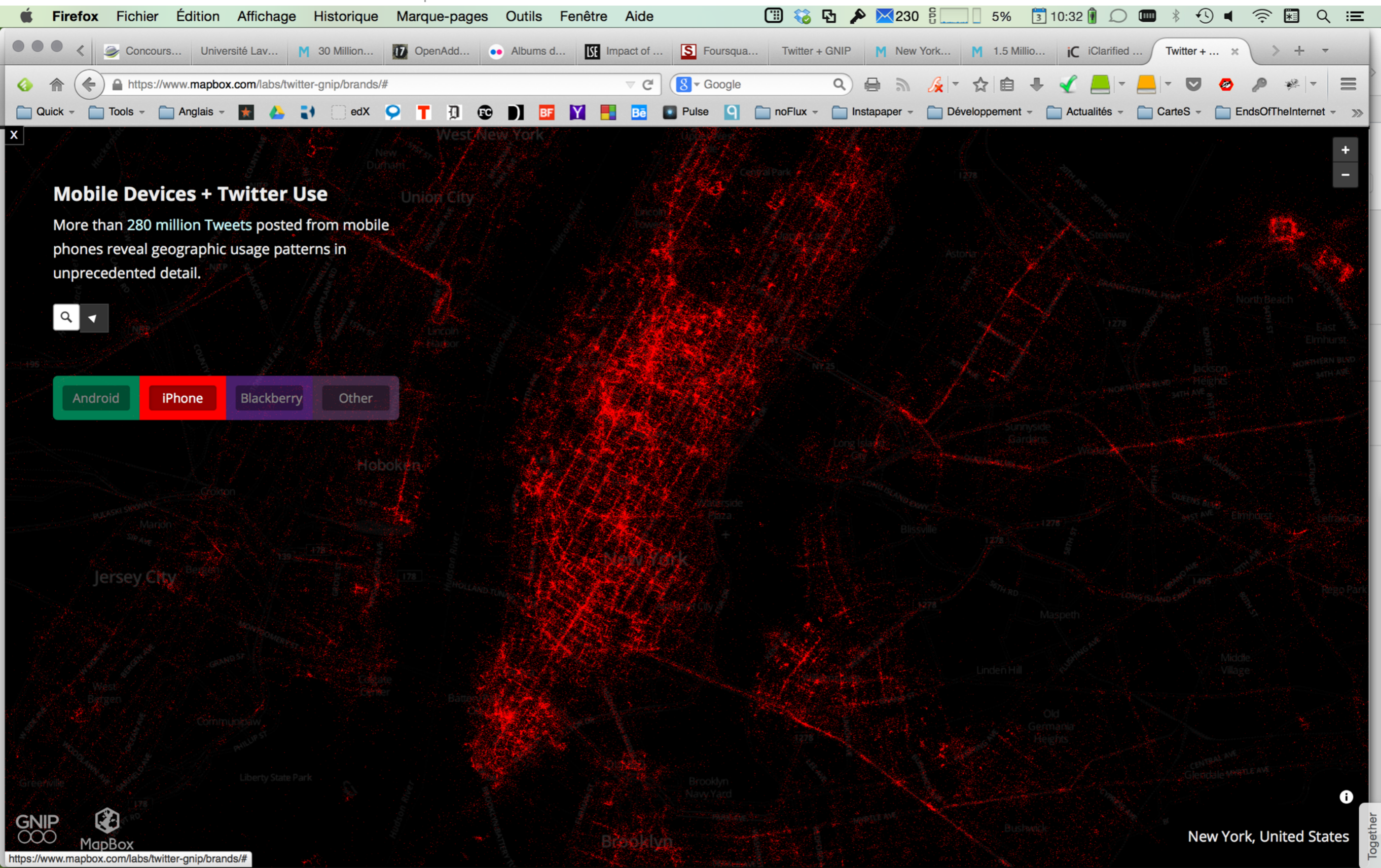
L'information spatiale



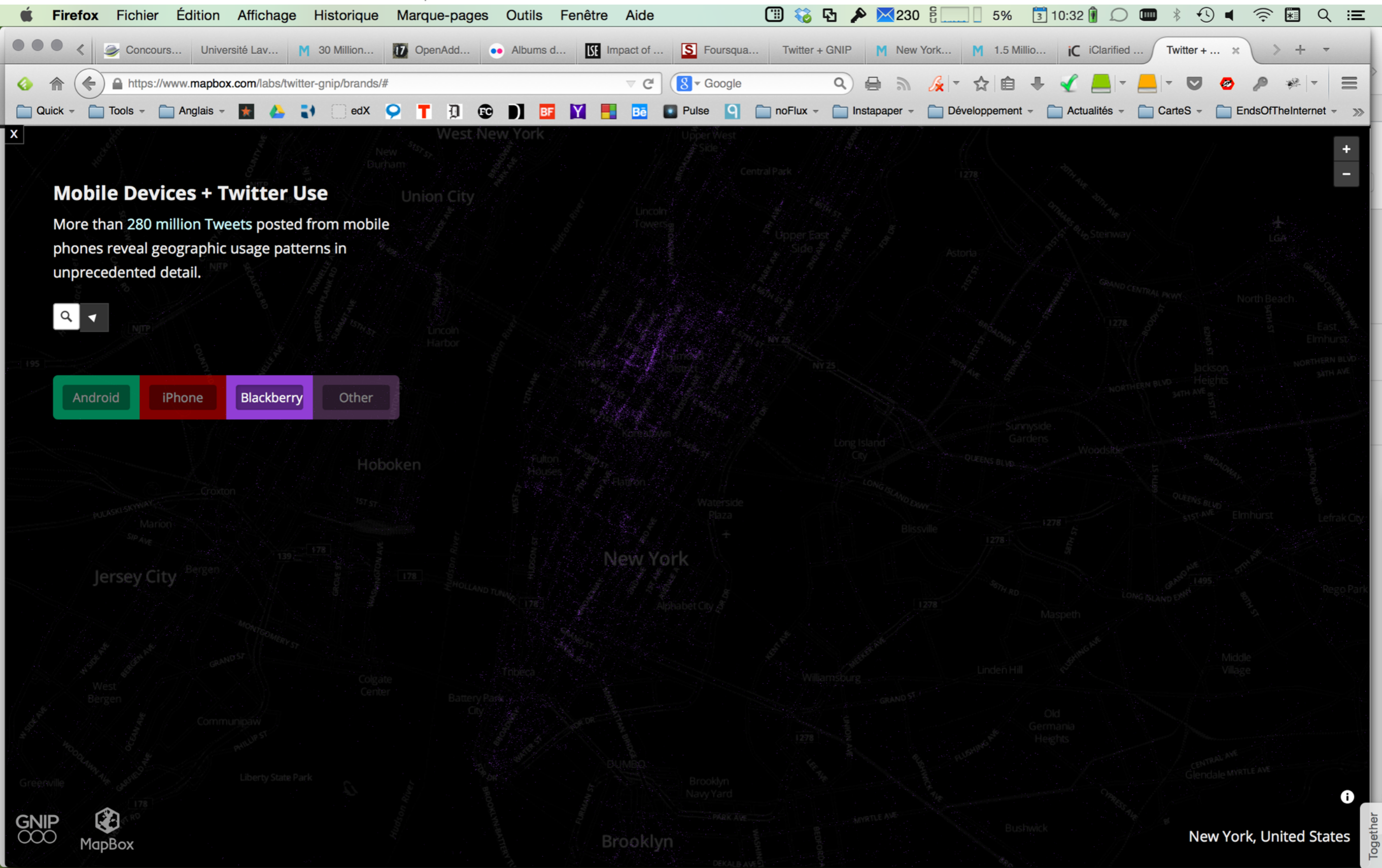
L'information spatiale



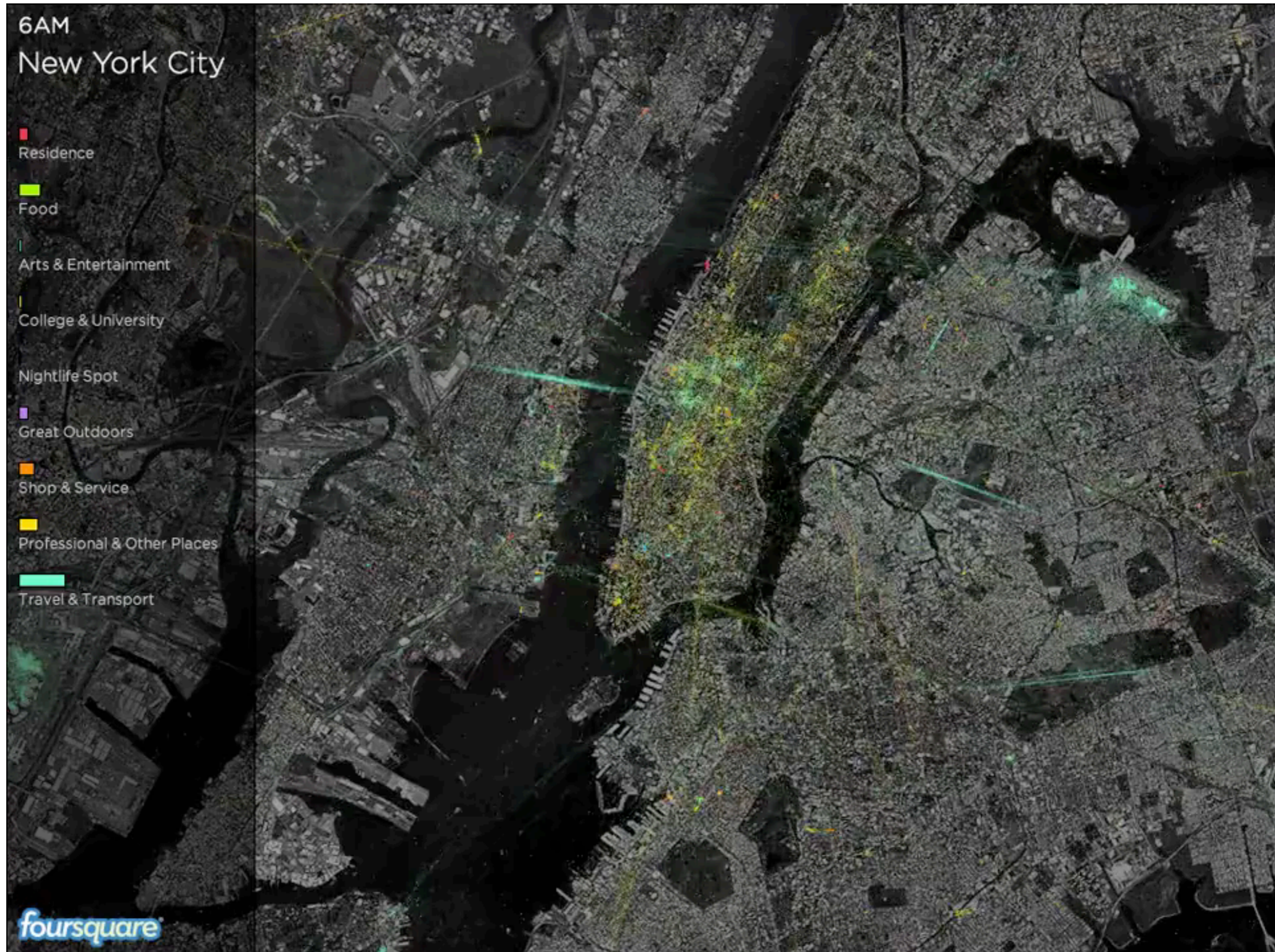
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© 1997-2013 Netflix, Inc. All rights reserved. U.S. Patent Nos. 6,584,450; 7,024,381; 7,631,323; 7,403,910; and 7,617,127. (eu-west-1 ce0c5784 FR) []

L'information spatiale

A Peek Into Netflix Queues

Examine Netflix rental patterns, neighborhood by neighborhood, in a dozen cities. Some titles with distinct patterns are [Mad Men](#), [Obsessed](#) and [Last Chance Harvey](#). [Comments \(135\)](#)

100 titles that were frequently rented from Netflix in 2009

Navigation controls: Previous, Next, Most rented, Least rented

Change how movies are sorted

Sorting options: Most rented, Alphabetical, By metacore

The Curious Case of Benjamin Button



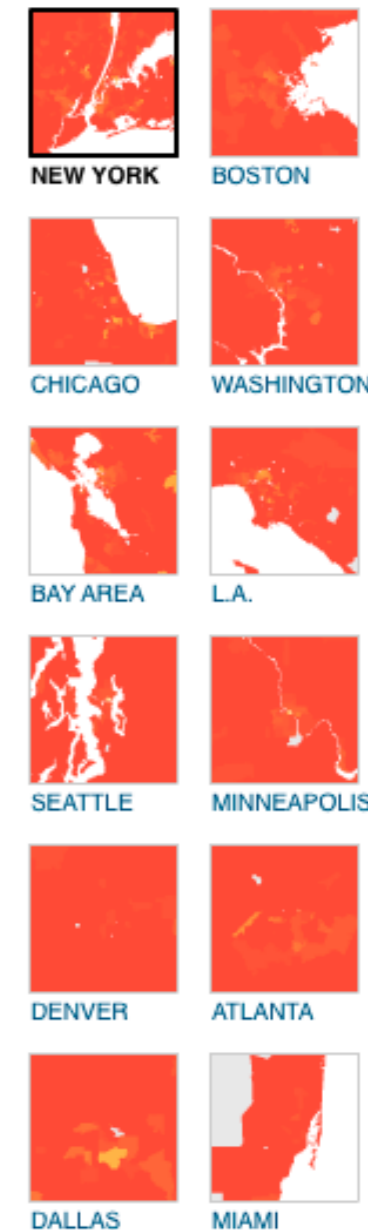
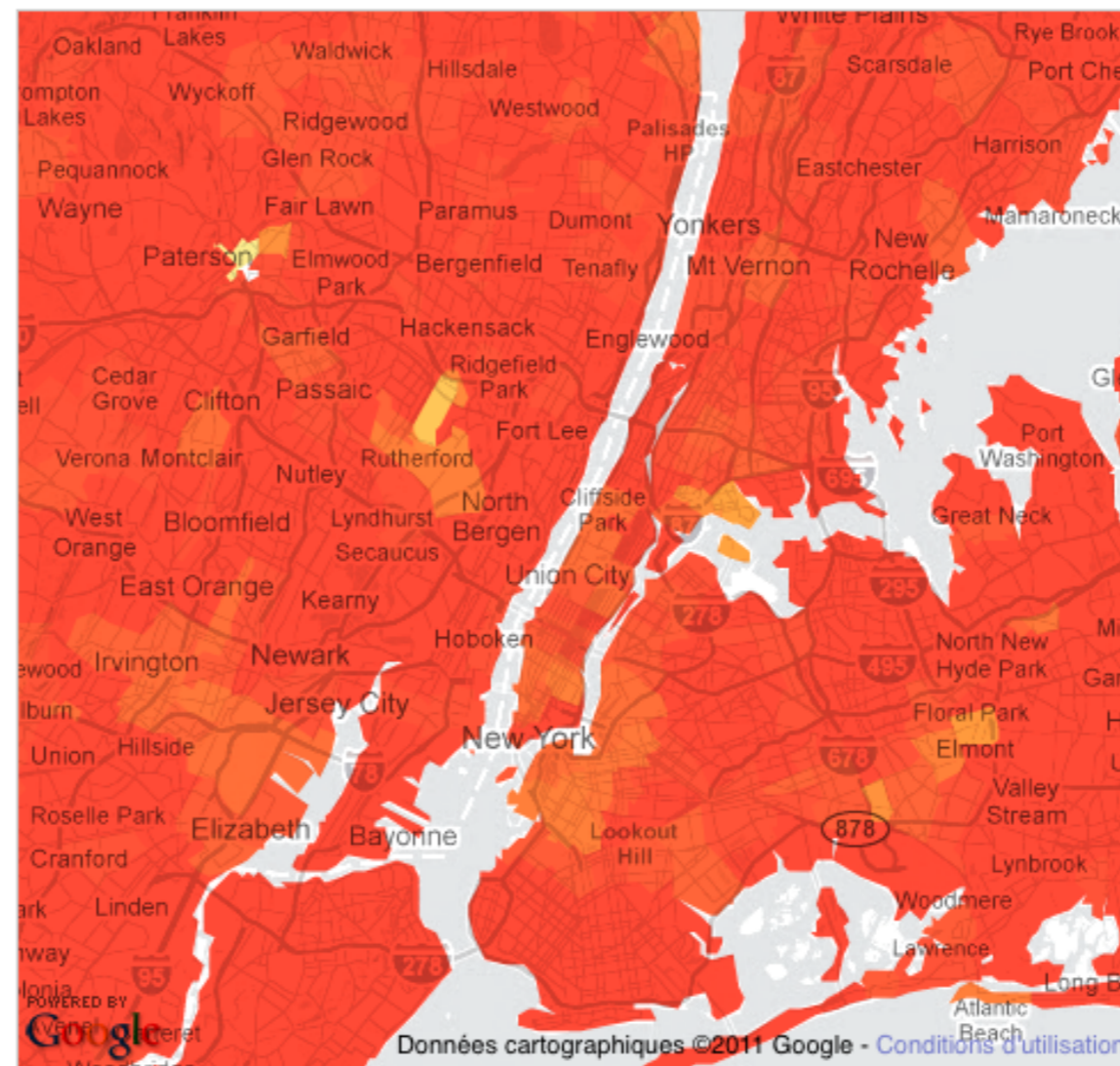
70

Metacritic score
100=loved by critics, 0=hated

"The Curious Case of Benjamin Button," which occupies around 25 pages in the collected works of F. Scott Fitzgerald, is a slender piece of whimsy, a charming fantasy about a man who ages in reverse, descending through the years from newborn senescence to terminal infancy. As Fitzgerald unravels it, Benjamin's story serves as the pretext for some amusing, fairly superficial observations about child rearing, undergraduate behavior and courtship in the late 19th and early 20th centuries.

[Read Rest of NYT Review »](#)

The ZIP codes are shaded according to each movie's rank. **Ranked No. 1** **No. 50**



Sources: Netflix provided data on the top 50 rentals in 2009 in each ZIP code. Titles are listed in the approximate order of popularity across selected metropolitan areas. Metascores are from metacritic.com.

L'information spatiale

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100 titles that were frequently rented from Netflix in 2009



Change how movies are sorted



Vicky Cristina Barcelona



70

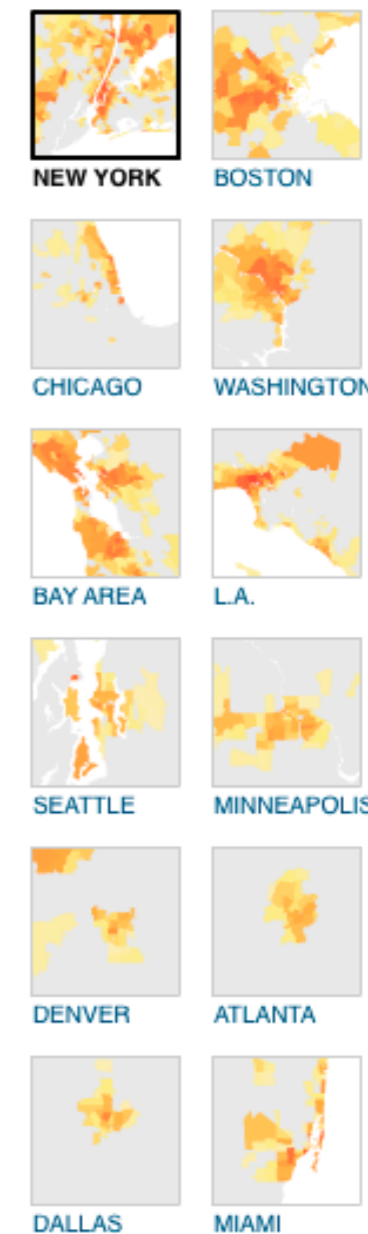
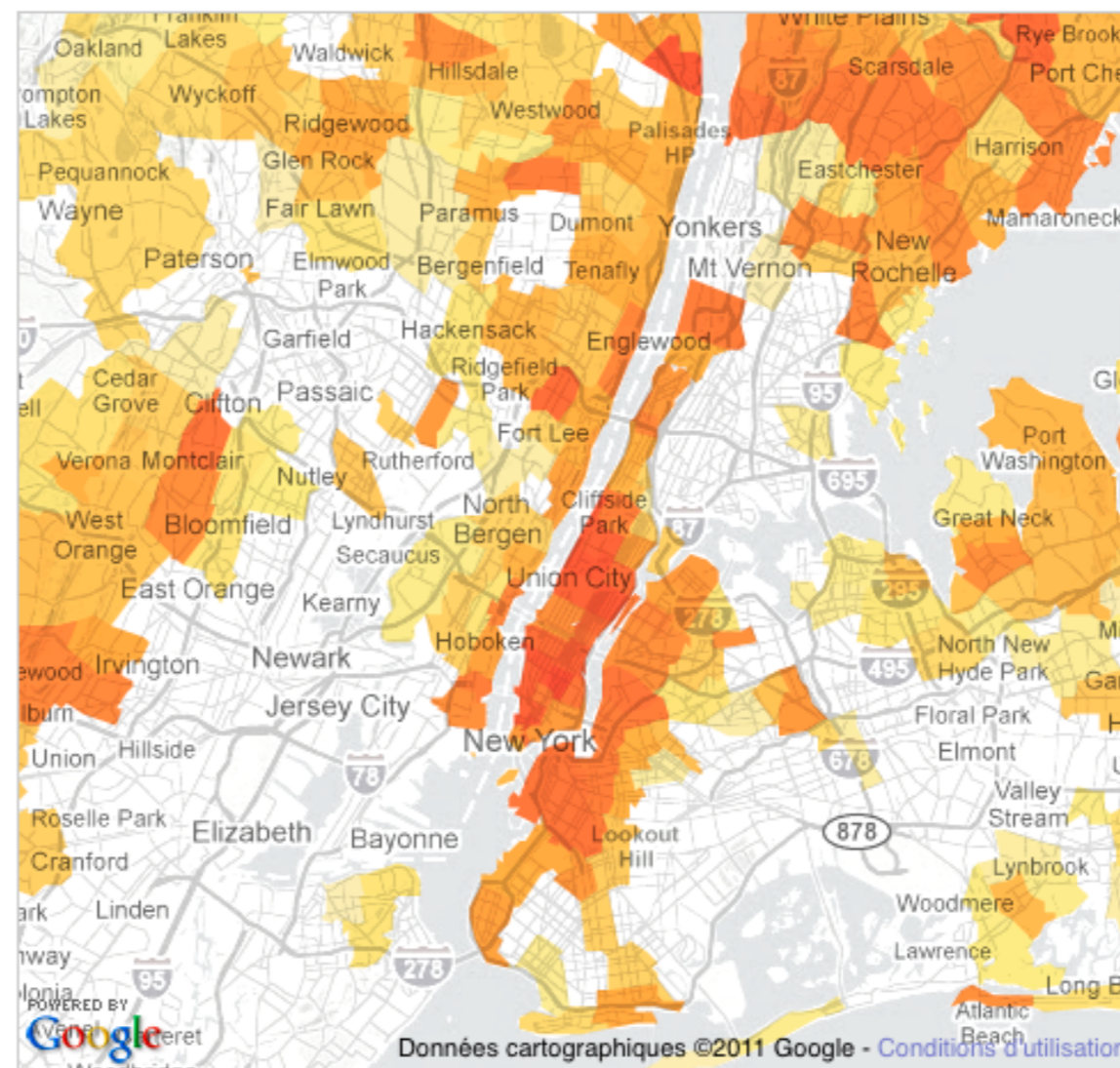
Metacritic score

100=loved by critics, 0=hated

Bathed in light so lusciously golden and honeyed that you might be tempted to lick the screen, "Vicky Cristina Barcelona" is a rueful comedy about two young American women who, during a summertime European idyll, savor many of the Continental delicacies that such travelers often take pleasure in: art, music, culture, yes, but also strange bodies and unexpected dreams. These bodies and dreams open possibilities for the women, intimating freer, somehow different lives, despite the persistent tugging of a voice that hovers at the edge of this story trying to pull it and its characters down to earth, where desire can fade quickly.

[Read Rest of NYT Review »](#)

The ZIP codes are shaded according to each movie's rank. **Ranked No. 1** **No. 50**



Sources: Netflix provided data on the top 50 rentals in 2009 in each ZIP code. Titles are listed in the approximate order of popularity across selected metropolitan areas. Metascores are from metacritic.com.

L'information spatiale

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Examine Netflix rental patterns, neighborhood by neighborhood, in a dozen cities. Some titles with distinct patterns are [Mad Men](#), [Obsessed](#) and [Last Chance Harvey](#). [Comments \(135\)](#)

100 titles that were frequently rented from Netflix in 2009

Navigation controls: Previous, Next, and a slider from Most rented to Least rented.

Change how movies are sorted

Sorting options: Most rented (selected), Alphabetical, By metascore.

Paul Blart: Mall Cop



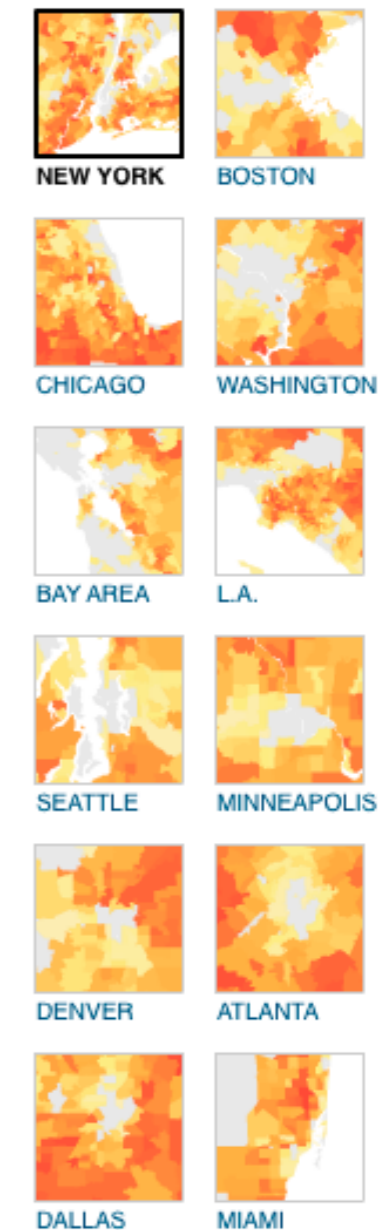
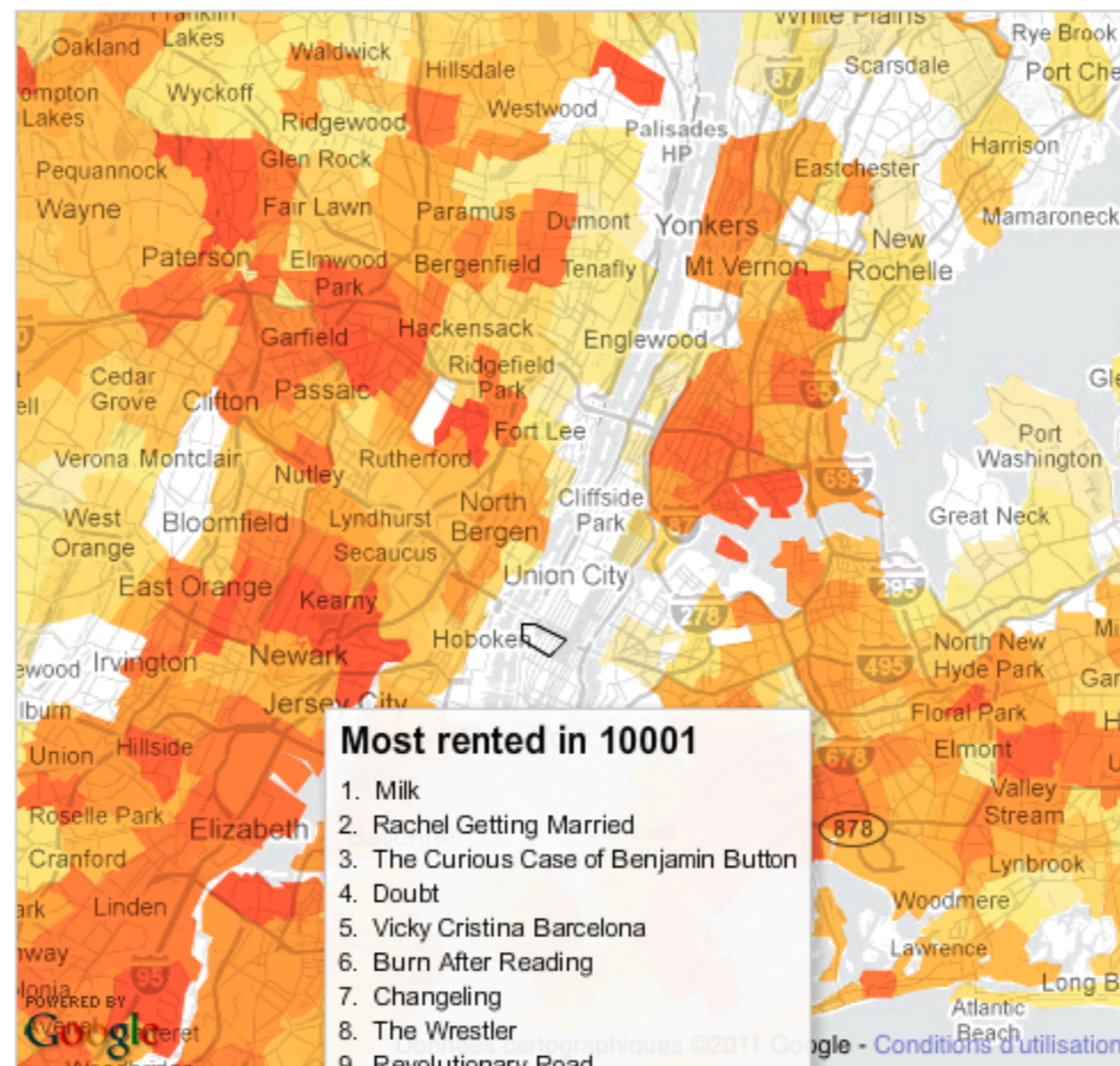
Fat people are funny. Fat people who fall over are funnier. Fat people who fall over and have humiliating working-class jobs? Stop, you're killing me!

[Read Rest of NYT Review »](#)

39

Metacritic score
100=loved by critics, 0=hated

The ZIP codes are shaded according to each movie's rank. **Ranked No. 1** (red) to **No. 50** (yellow).



Sources: Netflix provided data on the top 100 titles rented in each ZIP code. Titles are listed in the approximate order of their rank. Paul Blart: Mall Cop is not in the top 50 for this ZIP code. Metascores are from metacritic.com

L'information spatiale

A Peek Into Netflix Queues

Examine Netflix rental patterns, neighborhood by neighborhood, in a dozen cities. Some titles with distinct patterns are [Mad Men](#), [Obsessed](#) and [Last Chance Harvey](#). [Comments \(135\)](#)

100 titles that were frequently rented from Netflix in 2009

Navigation controls: Previous, Next, and a slider from Most rented to Least rented.

Change how movies are sorted

Sorting options: Most rented, Alphabetical, By metacore.

Paul Blart: Mall Cop



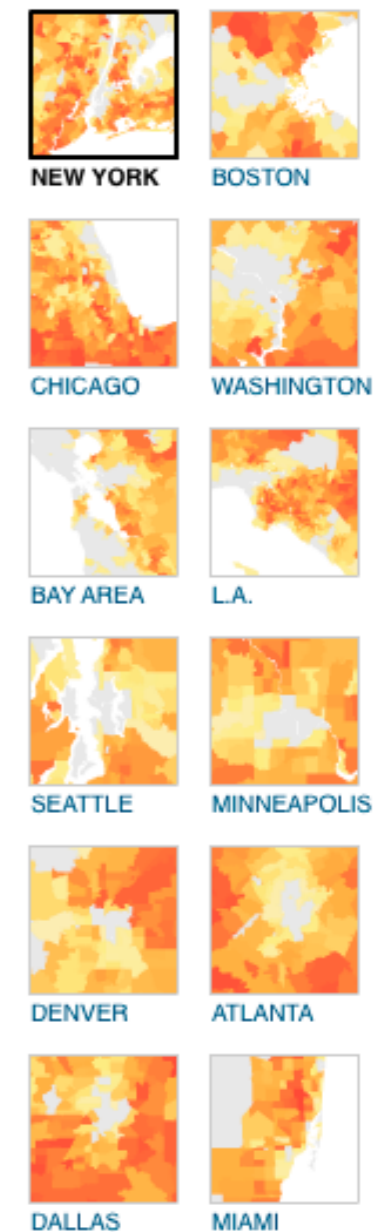
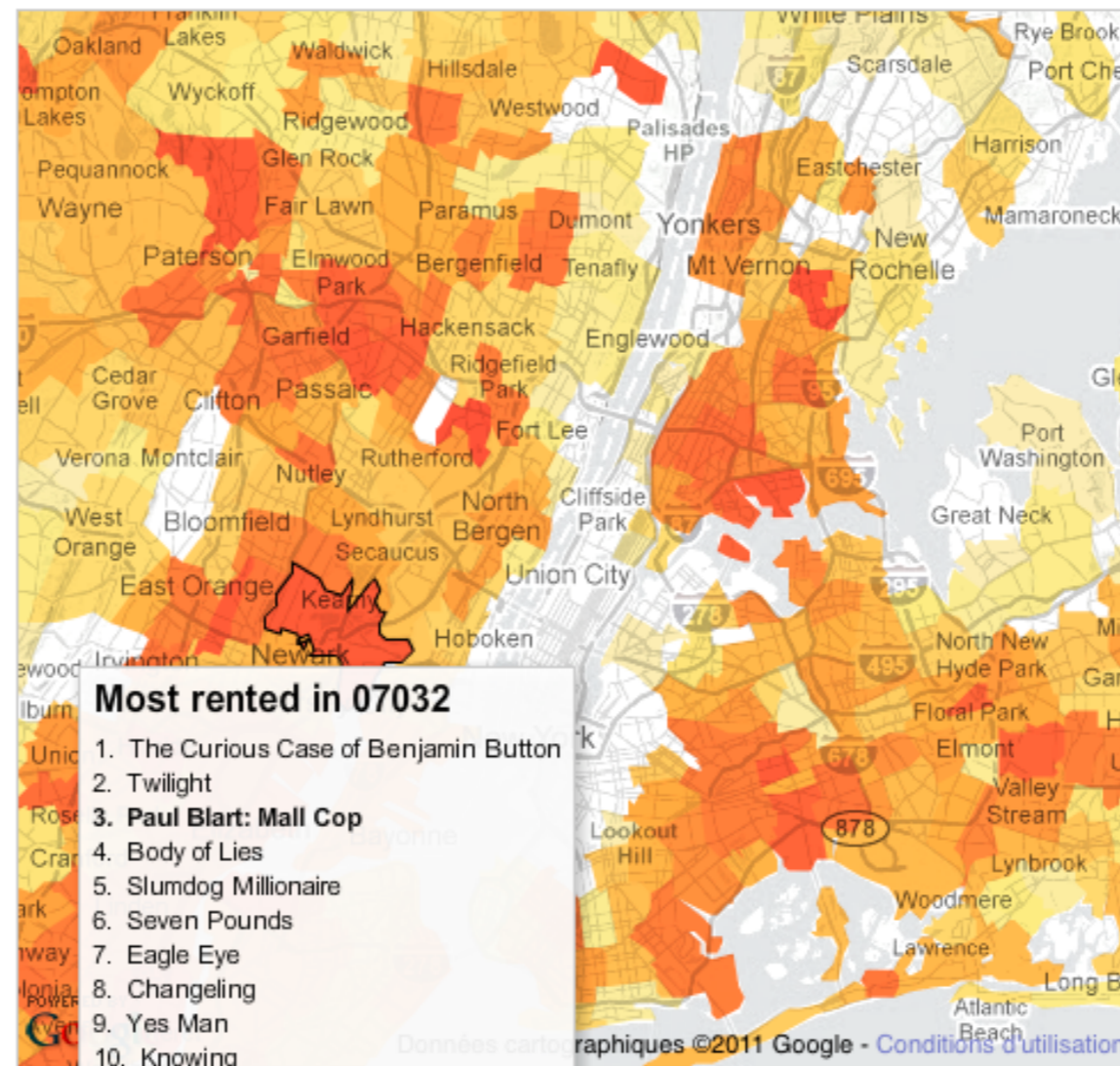
Fat people are funny. Fat people who fall over are funnier. Fat people who fall over and have humiliating working-class jobs? Stop, you're killing me!

[Read Rest of NYT Review »](#)

39

Metacritic score
100=loved by critics, 0=hated

The ZIP codes are shaded according to each movie's rank. **Ranked No. 1** (red) to **No. 50** (yellow).



Sources: Netflix provided data on the top 50 rentals in 2009 in each ZIP code. Titles are listed in the approximate order of popularity across selected metropolitan areas. Metascores are from metacritic.com.

L'information spatiale

San Francisco was previously normal. Activity was 7% above normal at 08:00 PM.

#1 Columbus Ave & Grant Ave
This location was previously very busy. Its activity level was **34.2%** above normal.

San Francisco was previously normal. Activity was 7% above normal at 08:00 PM.

Nearest known address and intersection are 383 Battery St, San Francisco, CA 94111
Near intersection Clay St & Battery St

yelp

Sushi Wabi
★★★★☆ 228 Reviews

Sushi Bars
Price: \$\$\$

Hours Today 11:30 AM - 2:00 PM **Open**
5:00 PM - 12:00 AM

Transit Clinton (Pink, Green)

Read 50 Reviews
I highly recommend the **Godzilla roll** it was quite tasty.

Map 842 W Randolph St
(b/t Green St & Peoria St)
West Loop
Chicago, IL 60607

Nearby Feed Search Recents Bookmarks

L'information spatiale



METROPOLITAN
POLICE

Working together for a safer London

Metropolitan Police Crime Mapping

Map view

Text view

Info

Search Enter search

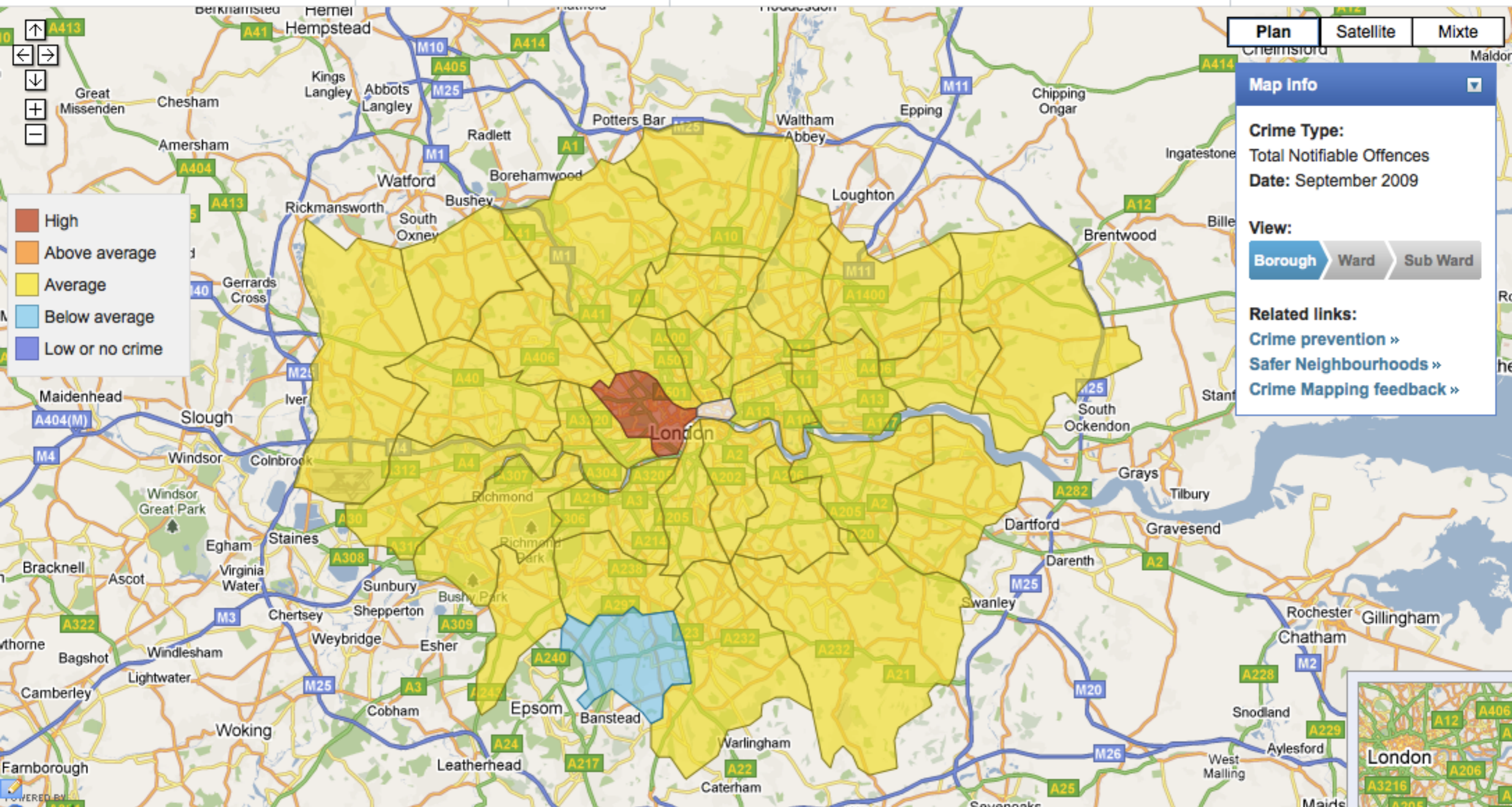
Go

Refine Map

Crime Types

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L'information spatiale

Carte fermer la carte

Plan Satellite Relief

Map Satellite Hybrid

Légende

Hôtel

Point de repère

Show CouchSurfers on map!

Map search

Clear surfers from map

Plan Satellite Mixte

Soraya Amiar
Pantin, Ile-de-France
France
Female, 38

airbnb Bonjour, Boris! Wish Lists Aide et sécurité Français CHF Publiez votre annonce

Trouvez un logement.
Louez à des particuliers dans 30 790 villes et dans 192 pays.

Où voulez-vous aller ? Arrivée Départ 1 Voyageur **Rechercher**

Airbnb vous présente **WISH LISTS**

Découvrez, sauvegardez et partagez vos lieux préférés sur Airbnb.

Regarder la vidéo

L'information spatiale

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- Barcelona Metro
- Chicago Transit
- SF Transit
- Madrid Metro
- Washington Metro
- Paris Metro
- Tokyo Subway

Events

ad:tech ad:tech New York 2009
4-6 November 2009
Booth #2034

In the Press

FST@MPANY guardian.co.uk Los Angeles Times
Evening Standard Macworld Sign GIZMODO
cnet uk TechCrunch VentureBeat BBC
TIMESONLINE THE INDEPENDENT CNN.com
BRANDREPUBLIC engadget Daily Mail

Passion Pit
7:00pm - Tue 27th Oct 2009

- Make Light
- Little Secrets
- Moth's Wings
- The Reeling
- Eyes As Candles

KOKO Camden High Street
4.00 km / 2.40 miles

Win Tickets
Walking With Dinosaurs - Live
4.00 km / 2.40 miles
Exclusive seats just released for performance on Wednesday 5...

Thornhill Square
0.05 km / 0.03 miles
Fantastic one bedroom apartment in a convenient location in stylish Kings Quay development...
£325,000

Matt
0.01 km / 0.01 miles
Looking for fun girls in west London area, to meet up for a coffee, must like budgies.

Charlotte
0.02 km / 0.01 miles
Hi, I'm slim attractive 20's girl looking for good looking guy into punk/ska, London area.

Acrossair, 2009

L'information spatiale

The image shows a screenshot of the Layar website. At the top, there is a navigation bar with the Layar logo and links for Catalog, Download, Create, Blog, Support, and Jobs. A search bar for the blog is also present. The main content area features a large smartphone displaying the Layar app interface. The app shows a 3D map of a city square with a green circle indicating a location. Below the map, there is a card for 'The Estates Theatre' with details like 'Patriae Et Musis', 'Ovocny trh', and 'Box office 10:00 - 18:00'. The background of the website is a blurred image of a city square with many people. On the right side, there is a large orange button that says 'Download Layar' and 'Available for the following devices:'. Below this, there are two buttons: one for 'iPhone' with the 'Available on the iPhone App Store' logo, and one for 'Android' with the Android logo. At the bottom of the orange button, it says 'Features and screenshots >>'. In the bottom right corner of the website screenshot, there is a small text credit: 'cc: flickr.com/obeeer'.

A beautiful, fun augmented reality app that shows you the things you can't see

L'information spatiale

craigslist^{ch}

Publier dans Petites annonces

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Rechercher dans craigslist

Rechercher

À vendre

Calendrier d'événements

L	M	M	J	V	S	D
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

[Aide, FAQ, abus, jur.](#)

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[État du système](#)

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["craigslist joe"](#)

[craig connects](#)

Lausanne

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Animaux	Général
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Bénévoles	Infos& locales
Cours	Musiciens
Covoiturage	Perdu + trouvé
Événements	Politique

Rencontres

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[Homme cherche femme](#)
[Homme cherche homme](#)
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Services

Animaux	Jardin+agri.
Annces.PE	Juridique
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Beauté	Marin
Cours	Ordinateur
Création	Rédac / Éd / Trad
Cycle	Techniciens
Événements	Thérapeutiques
Financiers	Trsprrt/Déménagmt
Immobilier	Voyages / Vac

Forums de discussion

Immobilier

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Antiquités	Maison
Art+Artisanat	Matériaux
Autos+camions	matériel lourd
Bateaux	Meubles
Bébé+enfant	Motos
Bijoux	Ordinateurs
Billets	Outils
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Collections	Recherche
Électroménager	Santé+Beauté
Électronique	Sports
Entreprises	Téléphones
Général	Troc
Gratuit	Vélos
Instr musique	Vêtements+acc
Jardin+agri.	vl + camp
Jeux+jouets	Vte. déménagmt
Jeux vidéos	vtt/utt/moton.

CV

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Enjeux de l'information spatiale

L'information spatiale

- Quel fond de carte pour lire la ville ?
- À qui appartiennent les fonds de carte et les analogies ?
- De quoi l'information nous informe-t-elle ?
- Quel équilibre entre vie privée et espace public ?
- Des interfaces individuelles ou communes ?
- Quels acteurs ?
- Quelles responsabilités ?