Gouverner les smart cities

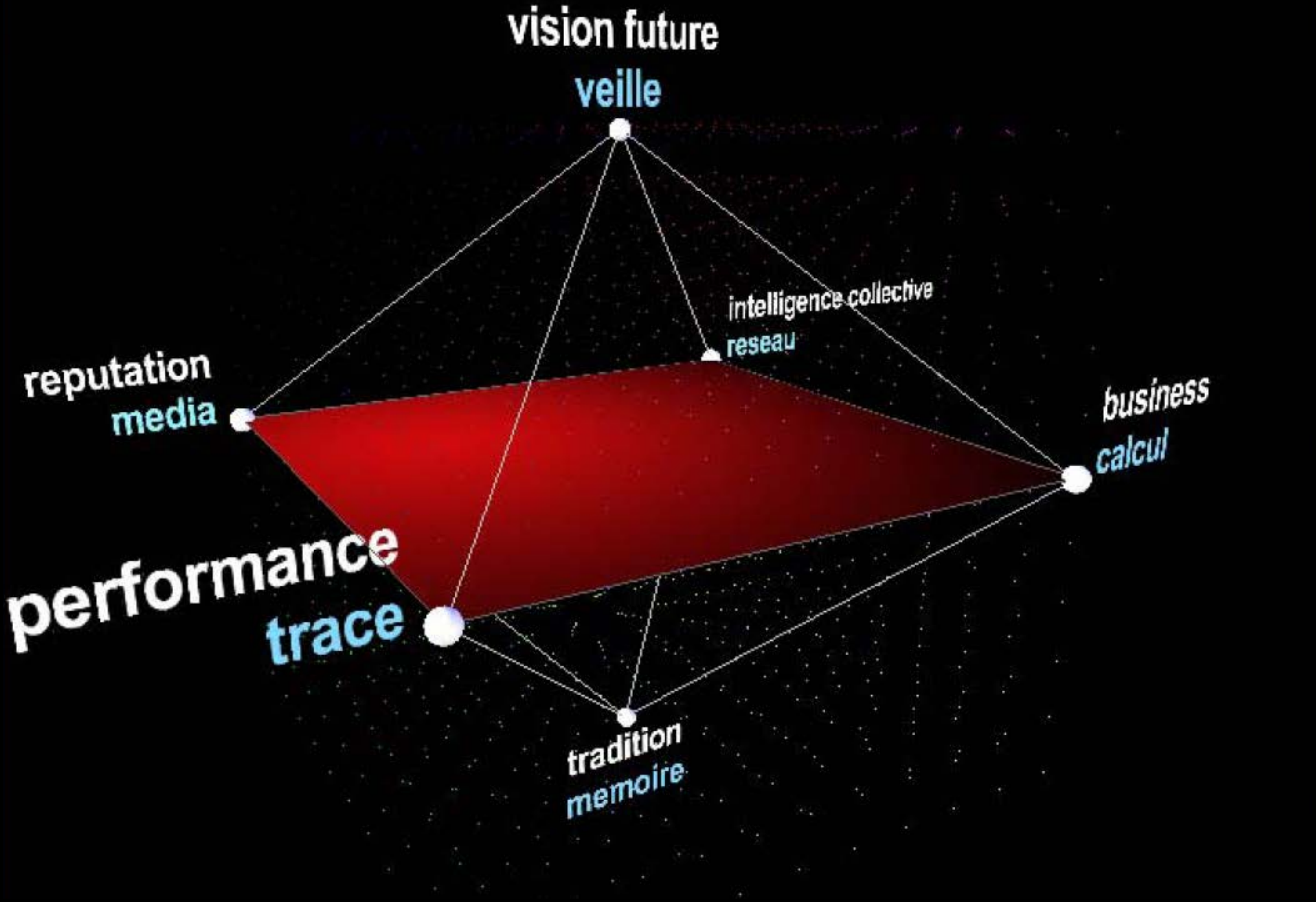
Dominique BOULLIER

DHI- EPFL

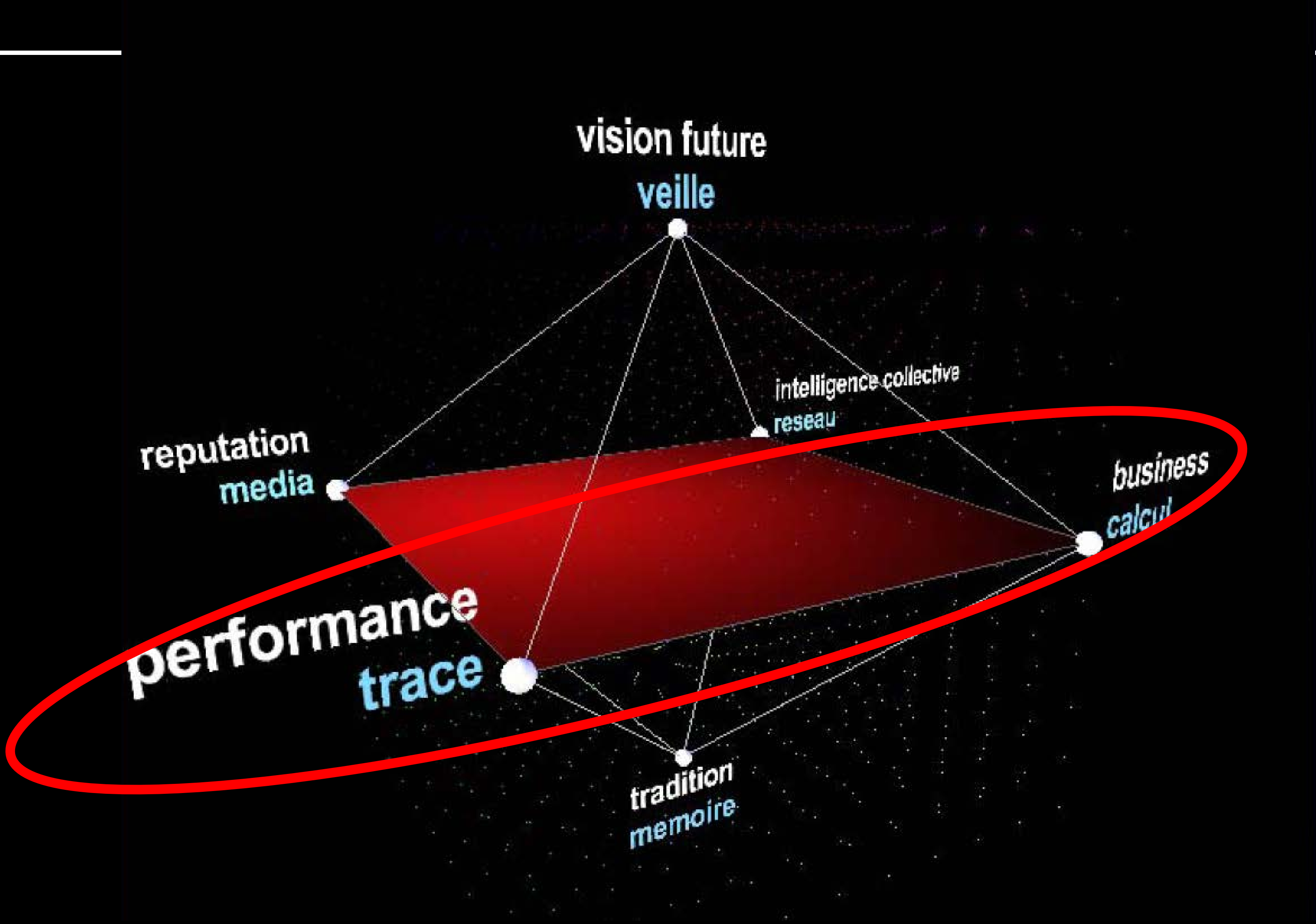
IDHEAP
Novembre 2017

LES TROIS ÂGES DU NUMÉRIQUE DANS LES INSTITUTIONS PUBLIQUES

Le cristal institutionnel et le numérique


vision future
veille
intelligence collective
reseau
reputation
media
business
calcul
performance
trace
tradition
memoire

L'âge de l'informatique (Années 80-90)


vision future
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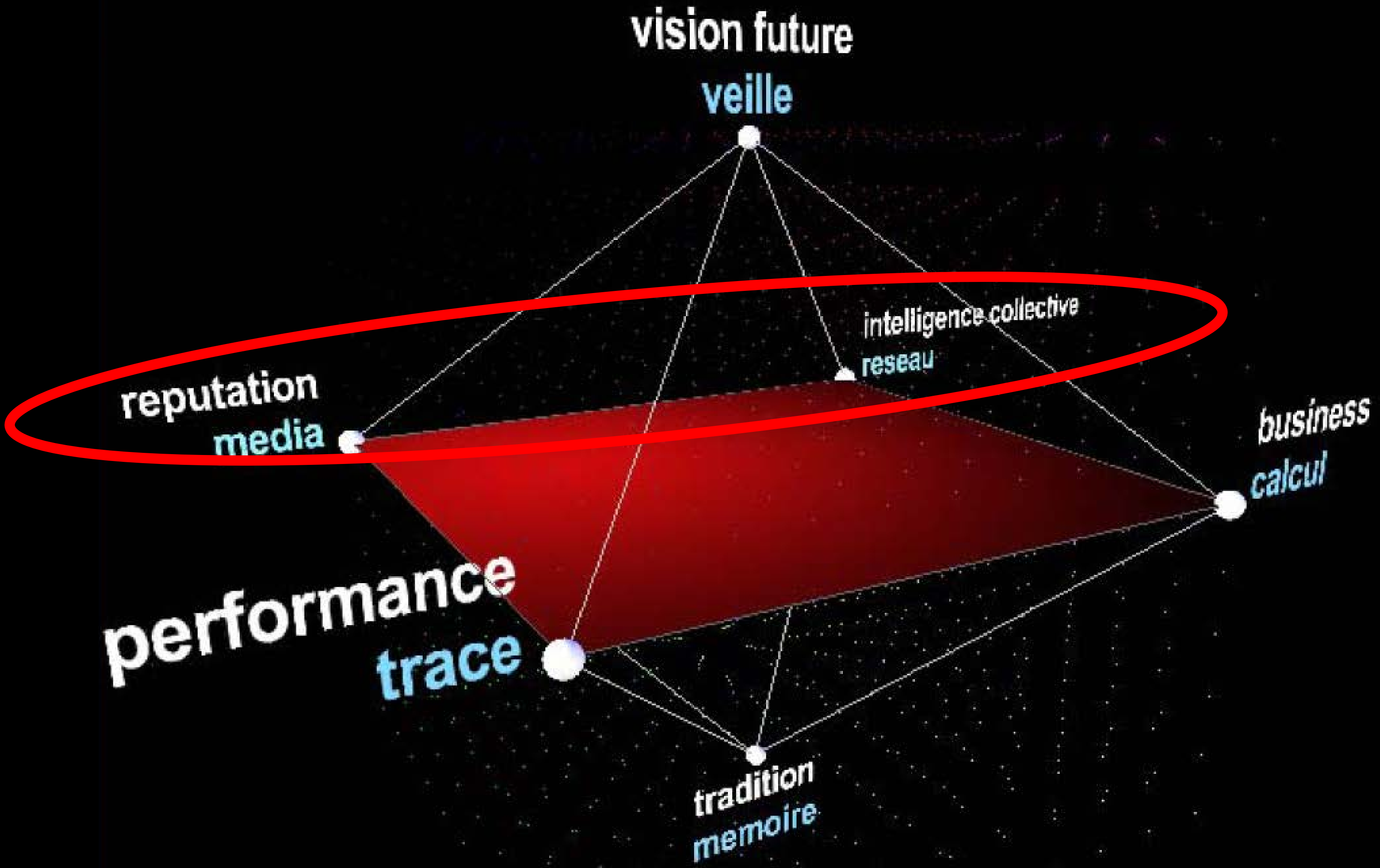
tradition
memoire

L’âge de la communication (années 2000)


vision future
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intelligence collective
reseau
reputation
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business
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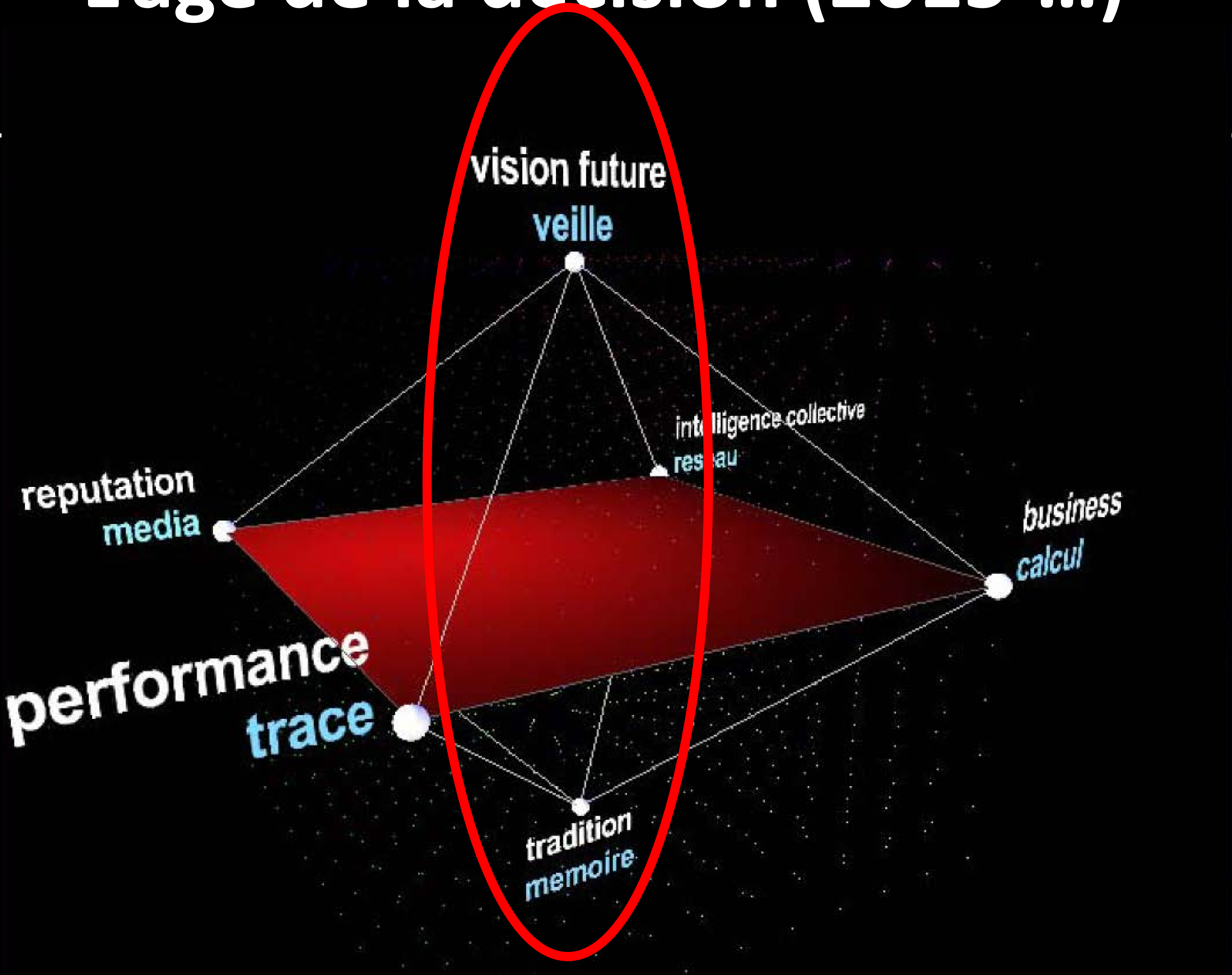
performance
trace
tradition
memoire

L’âge de la décision (2015-…)


vision future
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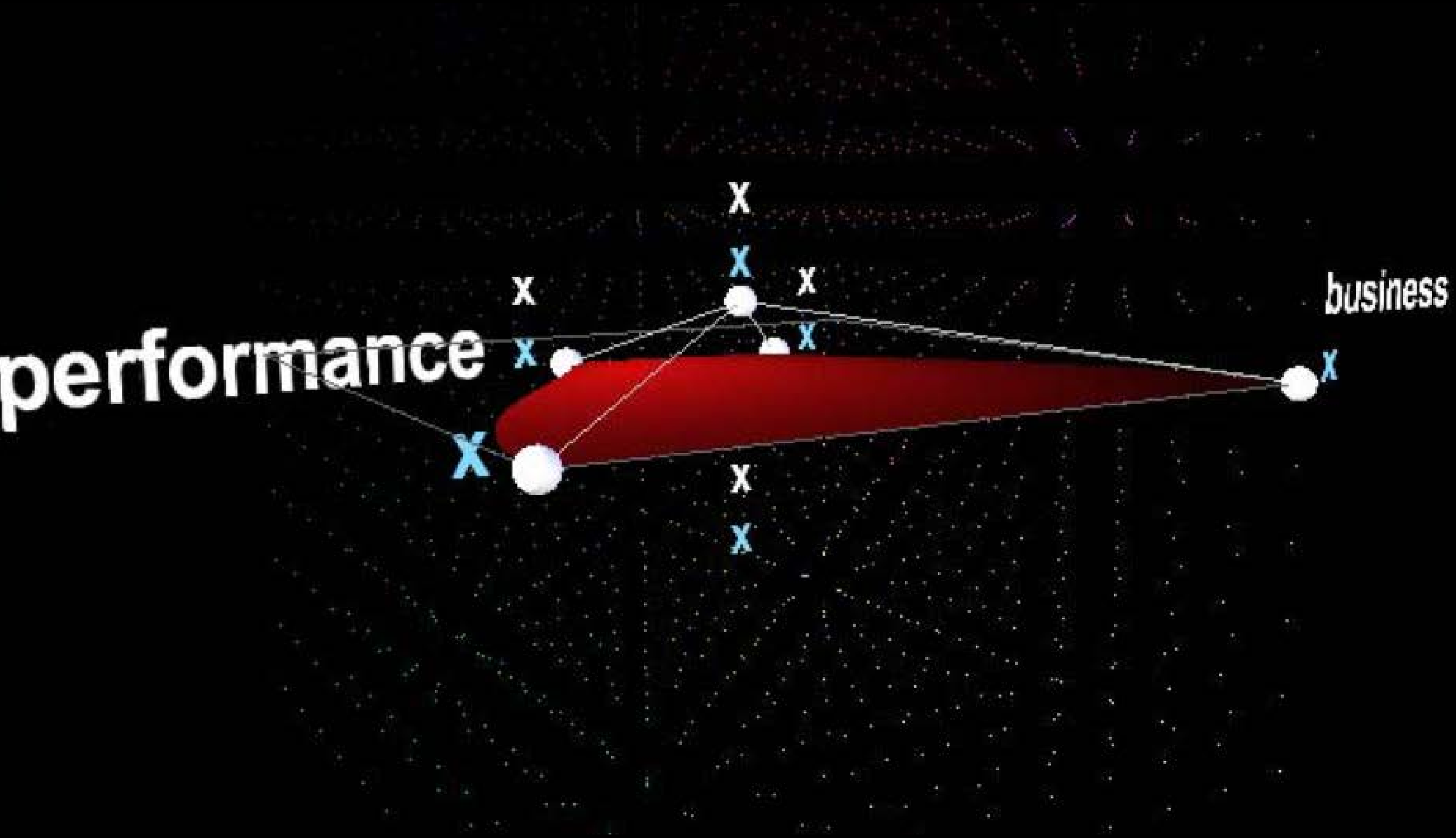
reputation
media
business
calcul
performance
trace
tradition
memoire

Le management financier monodimensionnel


performance
business
x
x
x
x
x
x
x
x
x
x
x

QUELS GOUVERNEMENTS DES VILLES NUMÉRIQUES?

La boussole historique des villes

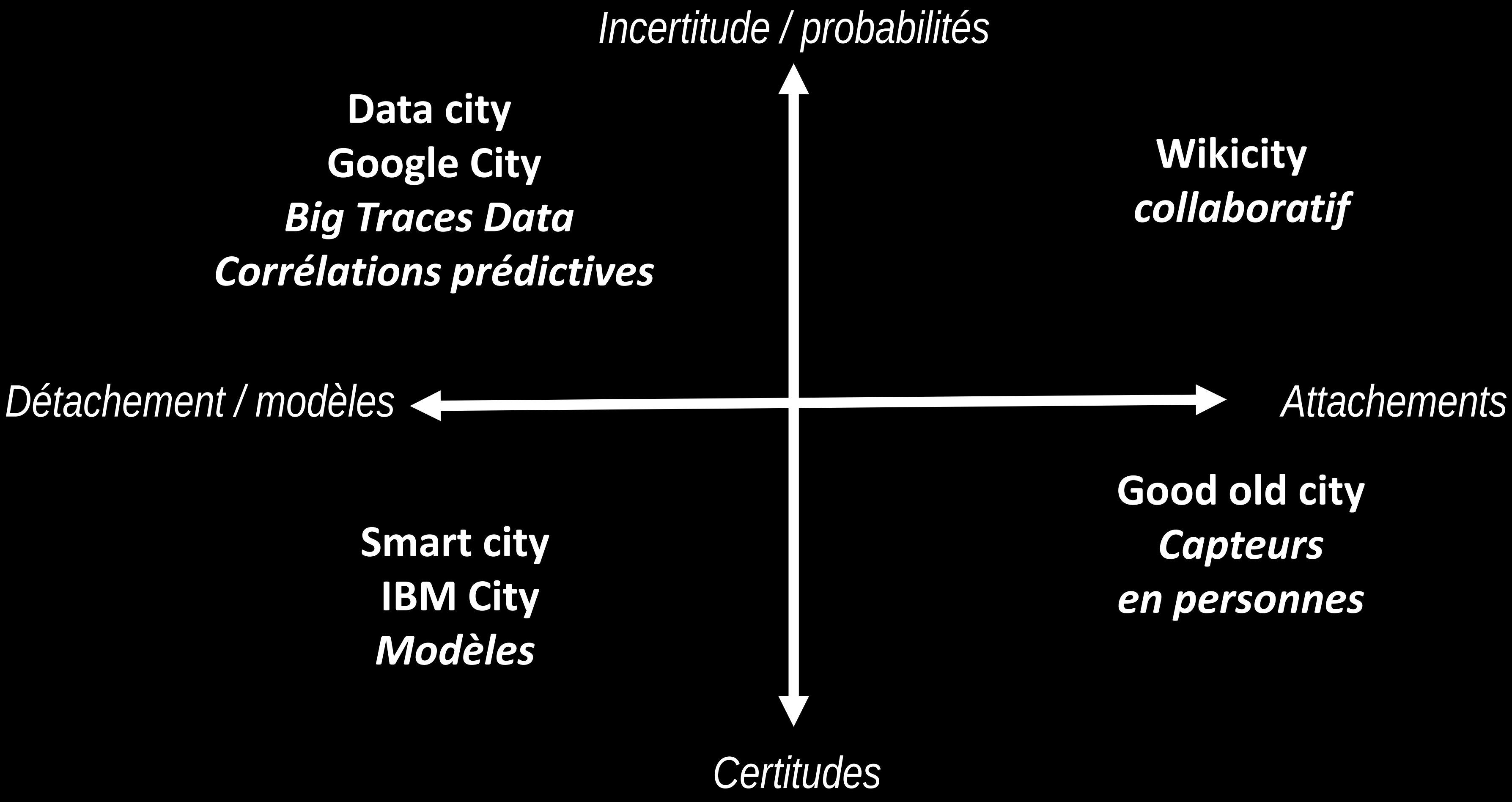
ertitude

Quelle quatrième ville cosmopolitique?
Re-composer les autres villes

Détachement *Attachements*

ertitu

Politiques des données urbaines



Incertitude / probabilités

Data city
Google City
Big Traces Data
Corrélations prédictives

Wikicity
collaboratif

Détachement / modèles

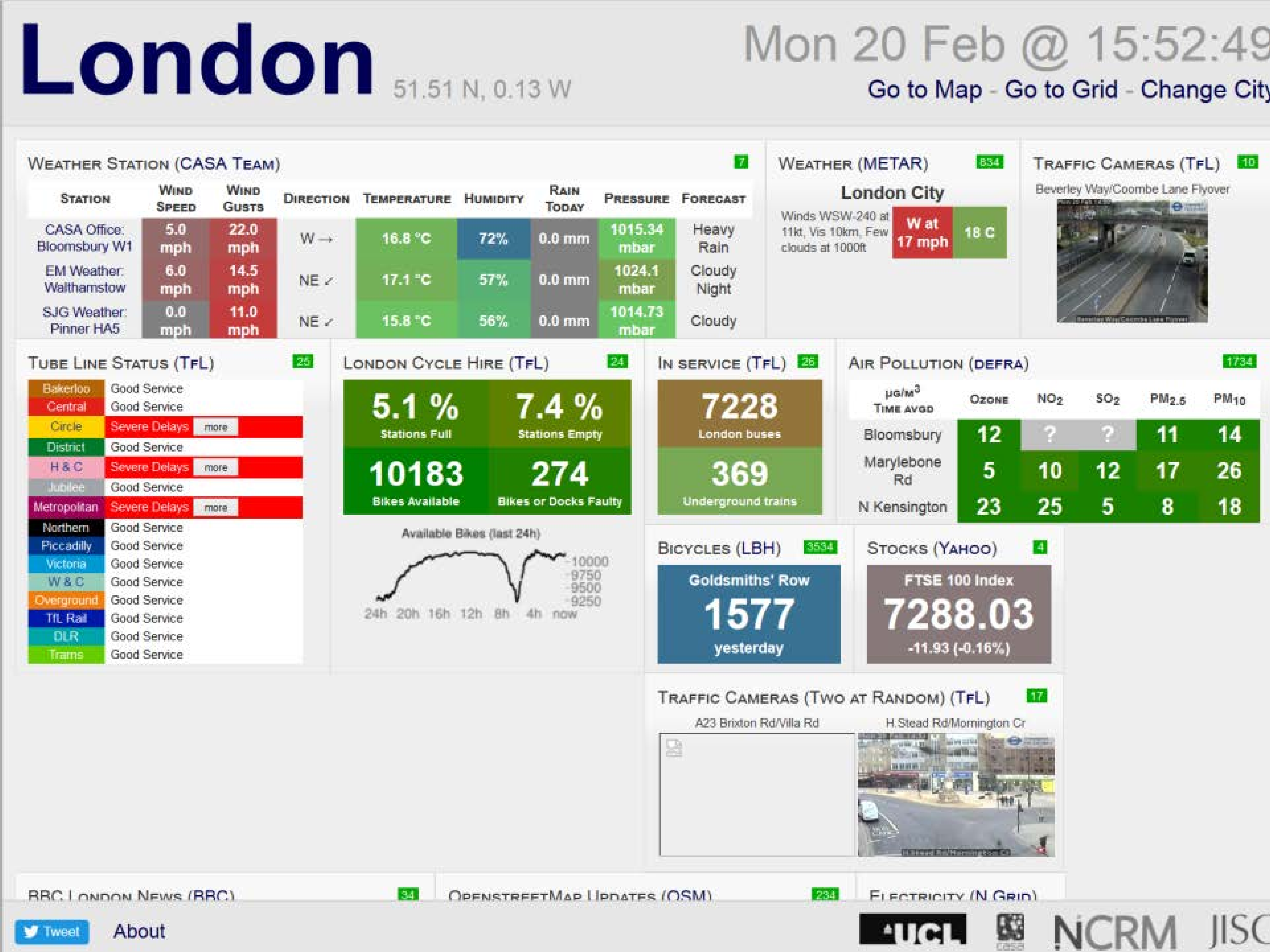
Attachements

Smart city
IBM City
Modèles

Good old city
Capteurs
en personnes

Certitudes

CENTRO DE OPERAÇÕES
PREFEITURA DO RIO



London

51.51 N, 0.13 W

Mon 20 Feb @ 15:52:49

Go to Map - Go to Grid - Change City

WEATHER STATION (CASA TEAM) 7

STATION	WIND SPEED	WIND GUSTS	DIRECTION	TEMPERATURE	HUMIDITY	RAIN TODAY	PRESSURE	FORECAST
CASA Office: Bloomsbury W1	5.0 mph	22.0 mph	W →	16.8 °C	72%	0.0 mm	1015.34 mbar	Heavy Rain
EM Weather: Walthamstow	6.0 mph	14.5 mph	NE ↙	17.1 °C	57%	0.0 mm	1024.1 mbar	Cloudy Night
SJG Weather: Pinner HA5	0.0 mph	11.0 mph	NE ↙	15.8 °C	56%	0.0 mm	1014.73 mbar	Cloudy

WEATHER (METAR) 834

London City

Winds WSW-240 at 11kt, Vis 10km, Few clouds at 1000ft

W at 17 mph

18 C

TRAFFIC CAMERAS (TFL) 10

Beverley Way/Coombe Lane Flyover

TUBE LINE STATUS (TFL) 25

Bakerloo	Good Service
Central	Good Service
Circle	Severe Delays more
District	Good Service
H & C	Severe Delays more
Jubilee	Good Service
Metropolitan	Severe Delays more
Northern	Good Service
Piccadilly	Good Service
Victoria	Good Service
W & C	Good Service
Overground	Good Service
TfL Rail	Good Service
DLR	Good Service
Trams	Good Service

LONDON CYCLE HIRE (TFL) 24

5.1 % Stations Full

7.4 % Stations Empty

10183 Bikes Available

274 Bikes or Docks Faulty

Available Bikes (last 24h)

IN SERVICE (TFL) 26

7228 London buses

369 Underground trains

AIR POLLUTION (DEFRA) 1734

µG/M³ TIME AVGD	OZONE	NO_2	SO_2	$PM_{2.5}$	PM_{10}
Bloomsbury	12	?	?	11	14
Marylebone Rd	5	10	12	17	26
N Kensington	23	25	5	8	18

BICYCLES (LBH) 3534

Goldsmiths' Row

1577

yesterday

STOCKS (YAHOO) 4

FTSE 100 Index

7288.03

-11.93 (-0.16%)

TRAFFIC CAMERAS (TWO AT RANDOM) (TFL) 17

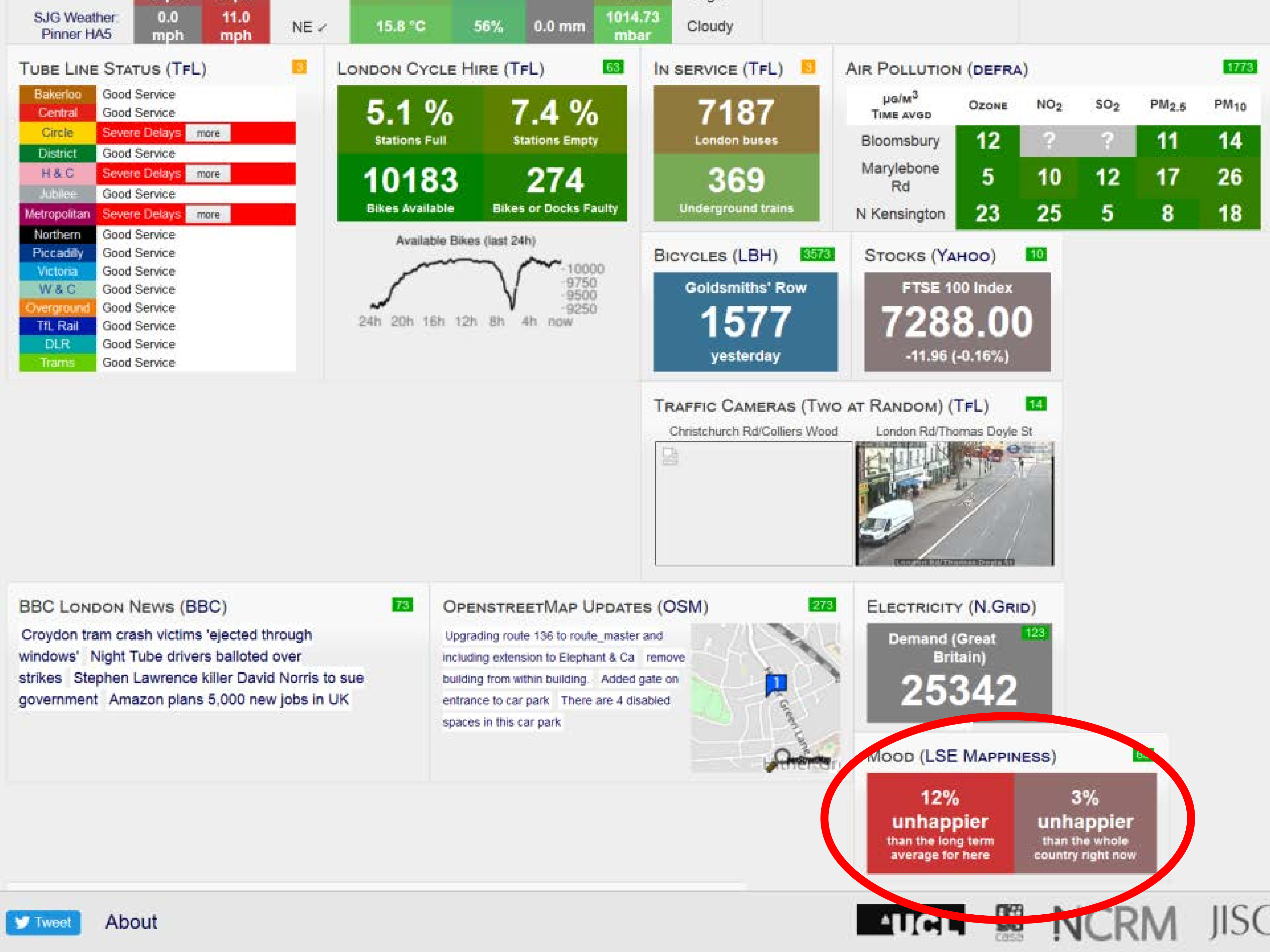
A23 Brixton Rd/Villa Rd

H.Stead Rd/Mornington Cr

BBC LONDON NEWS (BBC) 34

OPENSTREETMAP UPDATES (OSM) 234

ELECTRICITY (N GRID)



SJG Weather: Pinner HA5	0.0 mph	11.0 mph	NE ✓	15.8 °C	56%	0.0 mm	1014.73 mbar	Cloudy

Tube Line Status (TfL)

Bakerloo	Good Service
Central	Good Service
Circle	Severe Delays more
District	Good Service
H & C	Severe Delays more
Jubilee	Good Service
Metropolitan	Severe Delays more
Northern	Good Service
Piccadilly	Good Service
Victoria	Good Service
W & C	Good Service
Overground	Good Service
TfL Rail	Good Service
DLR	Good Service
Trams	Good Service

London Cycle Hire (TfL)

5.1 % Stations Full

7.4 % Stations Empty

10183 Bikes Available

274 Bikes or Docks Faulty

In service (TfL)

7187 London buses

369 Underground trains

Air Pollution (DEFRA)

µg/m³ Time avgd	Ozone	NO$_2$	SO$_2$	PM$_{2.5}$	PM$_{10}$
Bloomsbury	12	?	?	11	14
Marylebone Rd	5	10	12	17	26
N Kensington	23	25	5	8	18

Bicycles (LBH)

Goldsmiths' Row

1577

yesterday

Stocks (Yahoo)

FTSE 100 Index

7288.00

-11.96 (-0.16%)

Traffic Cameras (Two at Random) (TfL)

Christchurch Rd/Colliers Wood

London Rd/Thomas Doyle St

BBC London News (BBC)

Croydon tram crash victims 'ejected through windows'

Night Tube drivers balloted over strikes

Stephen Lawrence killer David Norris to sue government

Amazon plans 5,000 new jobs in UK

OpenstreetMap Updates (OSM)

Upgrading route 136 to route_master and including extension to Elephant & Ca

remove building from within building.

Added gate on entrance to car park

There are 4 disabled spaces in this car park

Electricity (N.Grid)

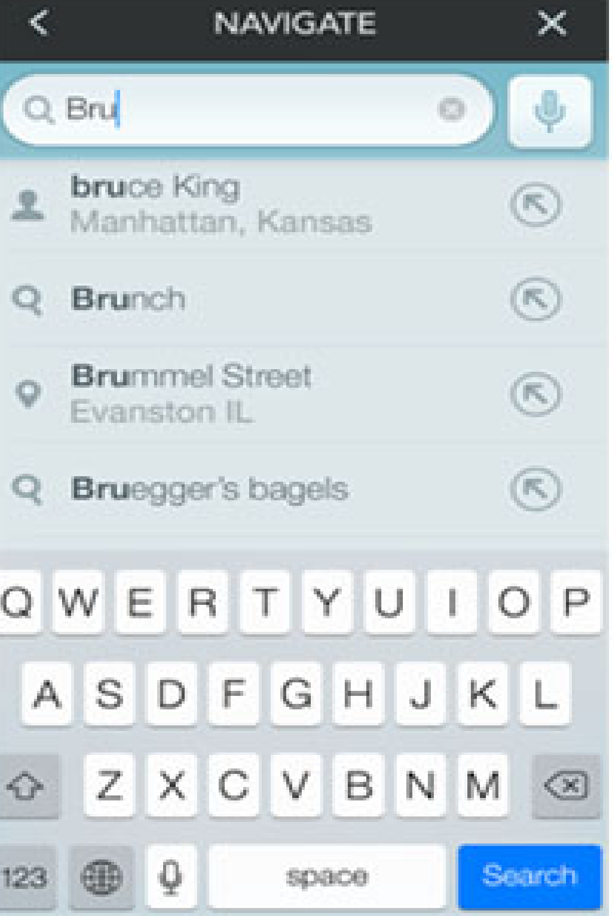
Demand (Great Britain)

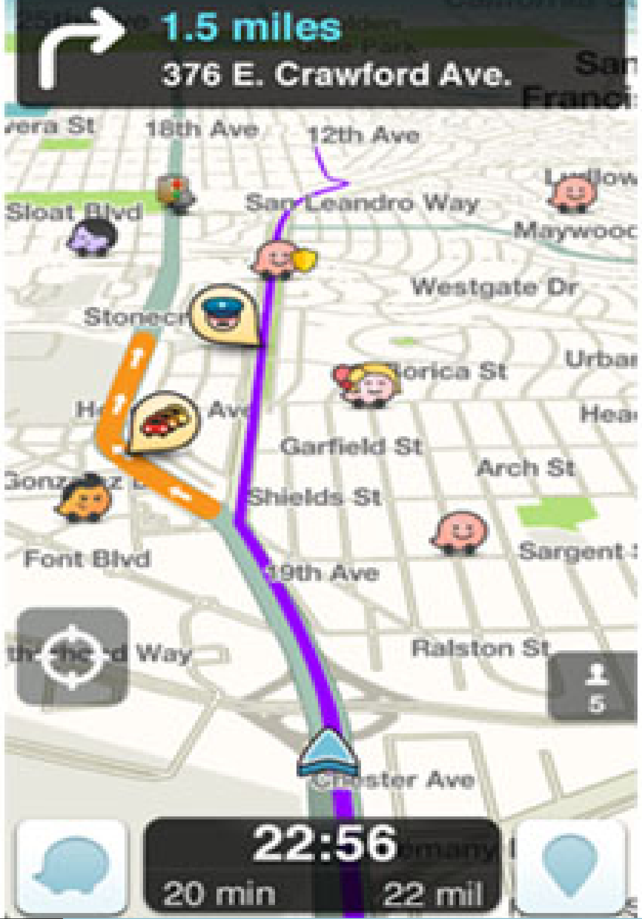
25342

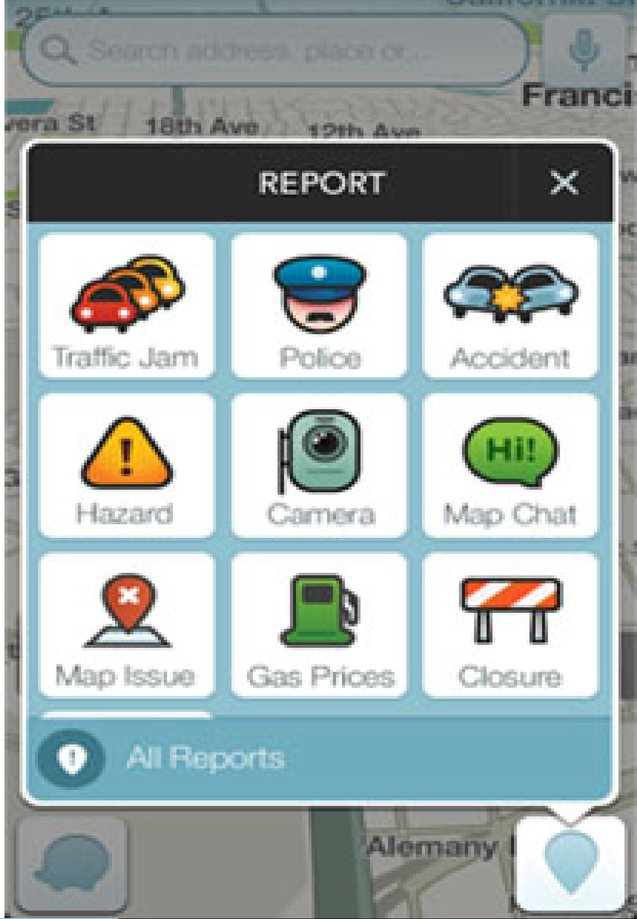
Mood (LSE Mappiness)

12% unhappier than the long term average for here

3% unhappier than the whole country right now

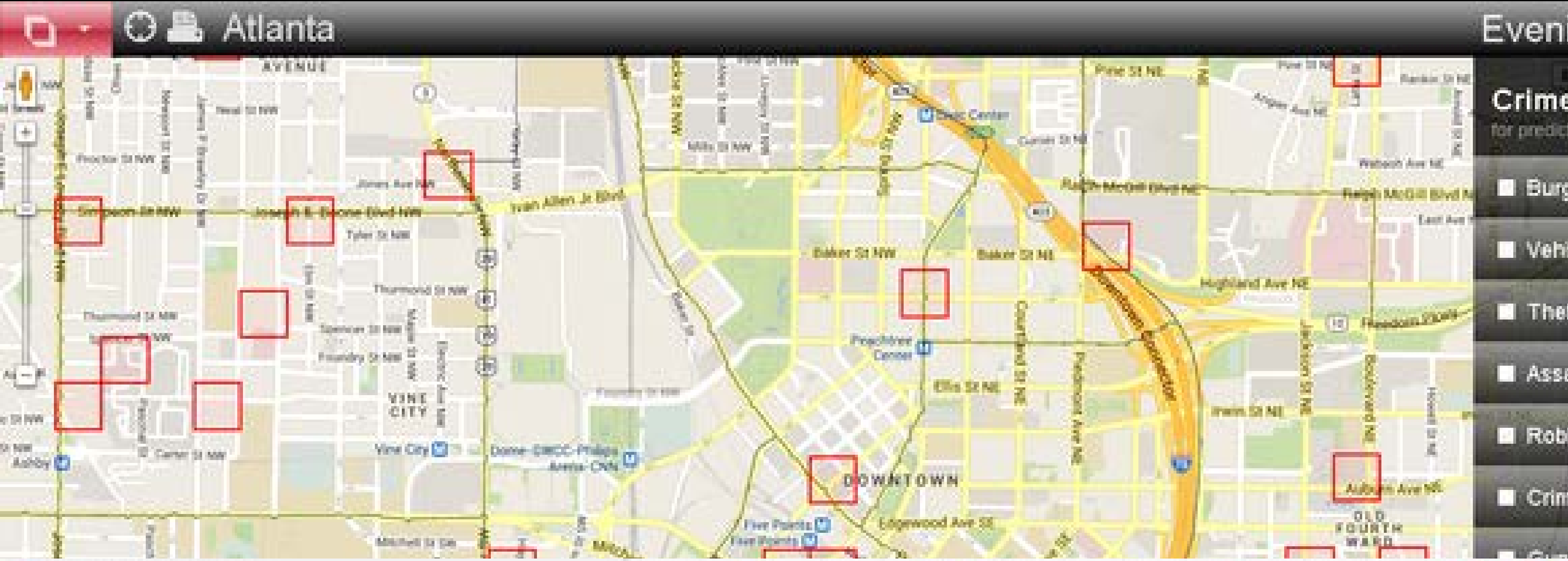

NAVIGATE
Bru
bruce King
Manhattan, Kansas
Brunch
Brummel Street
Evanston IL
Bruegger's bagels
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M
123
space
Search

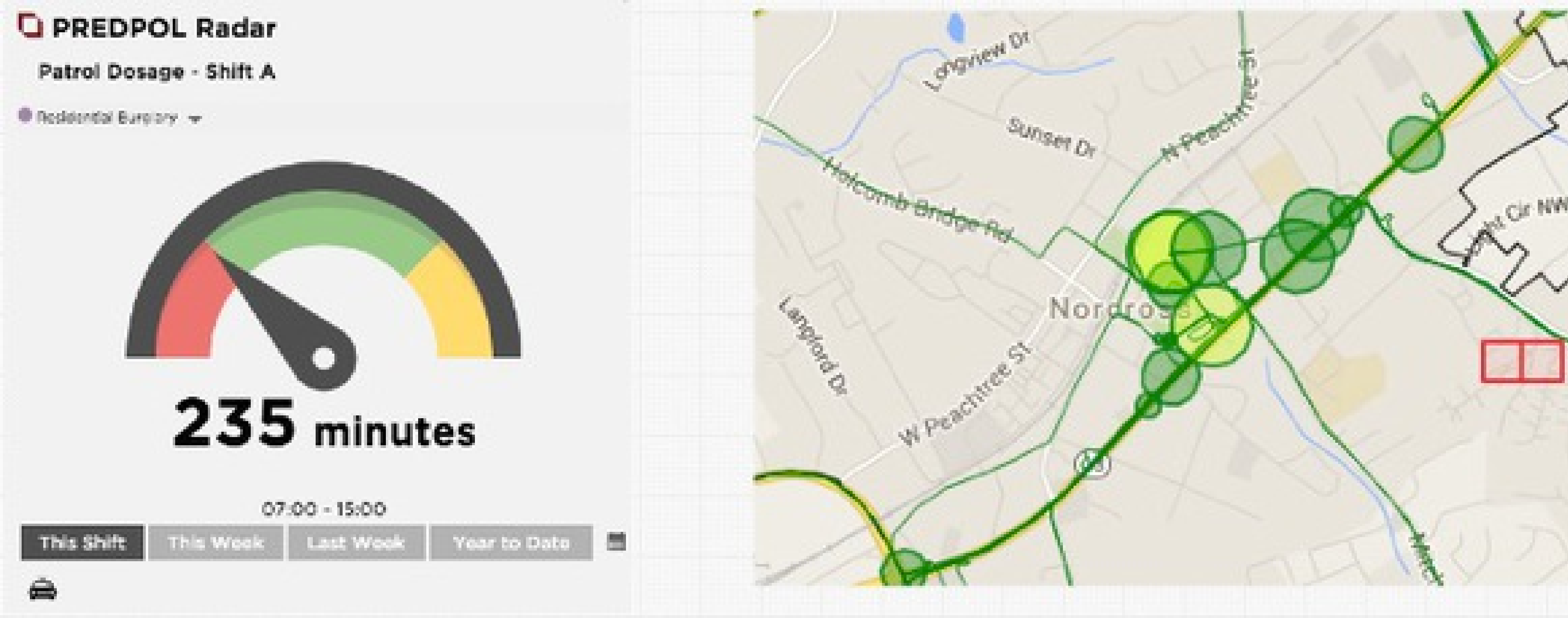

1.5 miles
376 E. Crawford Ave.
18th Ave
12th Ave
Sloat Blvd
San Leandro Way
Maywood
Westgate Dr
Urban
Garfield St
Arch St
Shields St
Font Blvd
19th Ave
Sargent
Ralston St
5
22:56
20 min
22 mil


Search address, place or...
REPORT
Traffic Jam
Police
Accident
Hazard
Camera
Hi!
Map Chat
Map Issue
Gas Prices
Closure
All Reports
Alemany

waze

OUTSMARTING TRAFFIC, TOGETHER


Atlanta
Even
Crime
for predic
☐ Burg
☐ Vehi
☐ Thef
☐ Assa
☐ Robb
☐ Crim
DOWNTOWN
VINE CITY
OLD FOURTH WARD
Simpson St NW
Joseph E. Boone Blvd NW
Ivan Allen Jr Blvd
Baker St NW
Baker St NE
Ralph McGill Blvd NE
Highland Ave NE
Freedom Pkwy
Ellis St NE
Auburn Ave NE
Edgewood Ave SE
Peachtree Center
Five Points
Vine City
Dome-GWCC-Philips Arena-CNN
Ashby


PREDPOL Radar

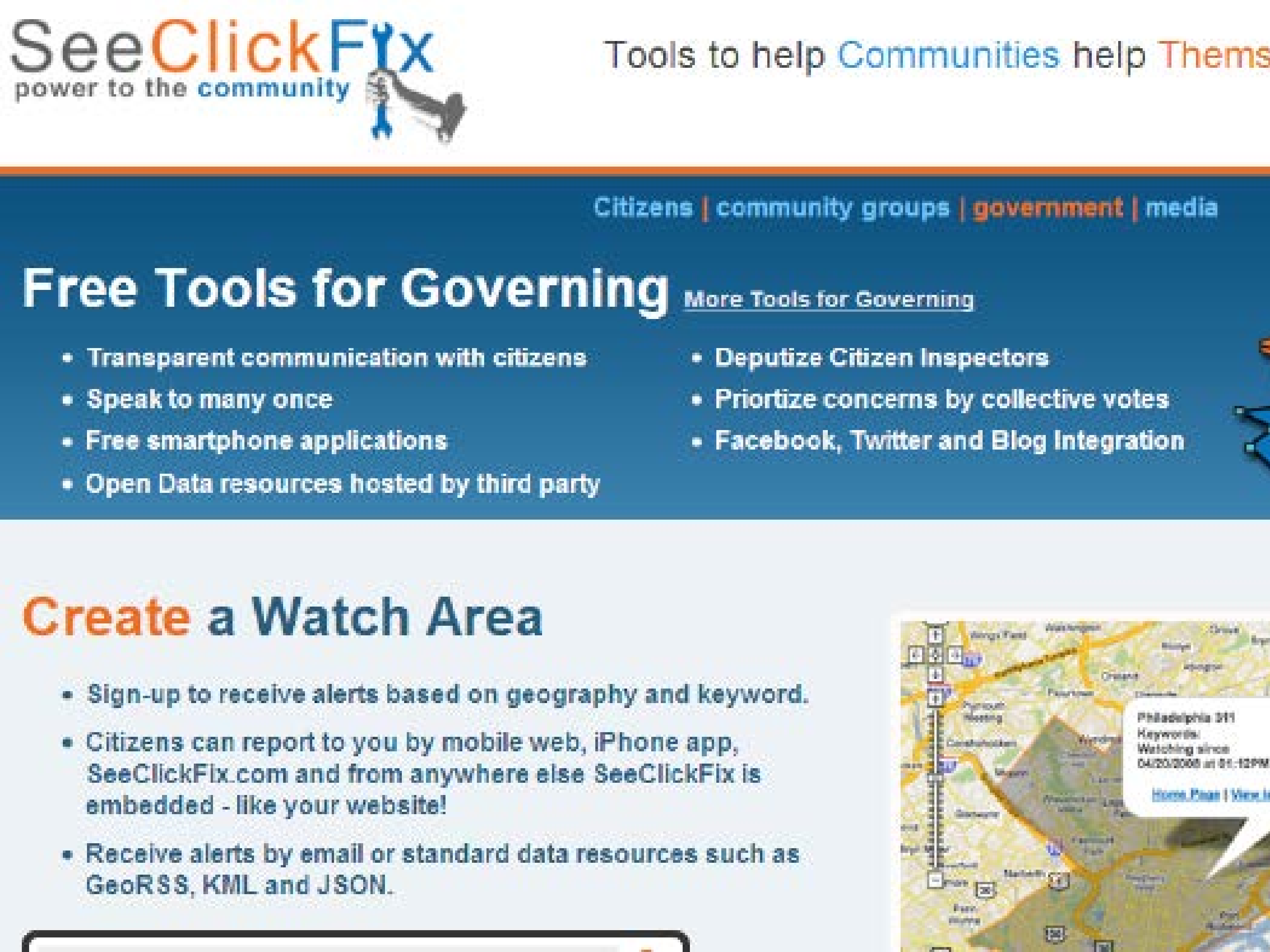
Patrol Dosage - Shift A

Residential Burglary

235 minutes

07:00 - 15:00

This Shift
This Week
Last Week
Year to Date
Longview Dr
Sunset Dr
N Peachtree St
Holcomb Bridge Rd
Norcross
Langford Dr
W Peachtree St


SeeClickFix
power to the community

Tools to help Communities help Thems

Citizens | community groups | government | media

Free Tools for Governing

More Tools for Governing

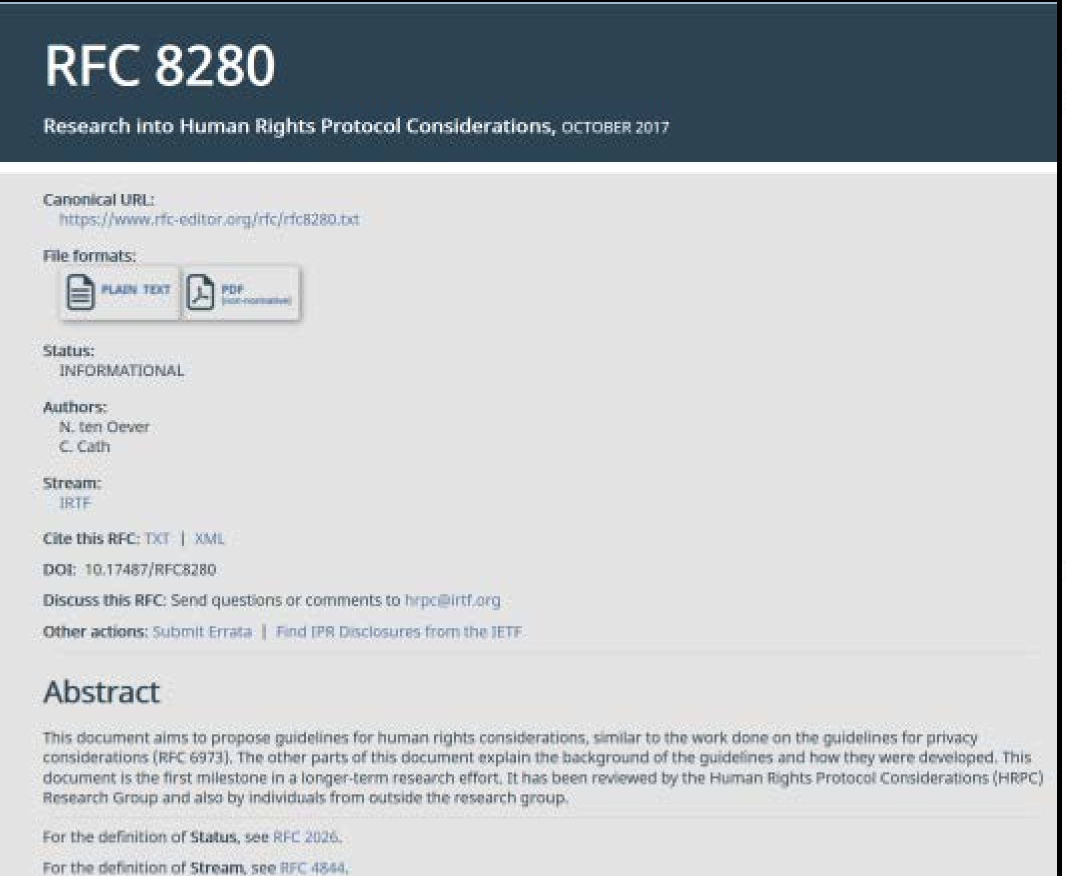
- Transparent communication with citizens
- Speak to many once
- Free smartphone applications
- Open Data resources hosted by third party
- Deputize Citizen Inspectors
- Priortize concerns by collective votes
- Facebook, Twitter and Blog Integration

Create a Watch Area

- Sign-up to receive alerts based on geography and keyword.
- Citizens can report to you by mobile web, iPhone app, SeeClickFix.com and from anywhere else SeeClickFix is embedded - like your website!
- Receive alerts by email or standard data resources such as GeoRSS, KML and JSON.

Philadelphia 311
Keywords:
Watching since
04/20/2008 at 01:12PM
Home Page | View

DES GOUVERNEMENTS À LA GOUVERNANCE ? ROUGH CONSENSUS AND RUNNING CODE



RFC 8280

Research into Human Rights Protocol Considerations, OCTOBER 2017

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File formats:

Status:
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Authors:
N. ten Oever
C. Cath

Stream:
IRTF

Cite this RFC: TXT | XML

DOI: 10.17487/RFC8280

Discuss this RFC: Send questions or comments to hrpc@irtf.org

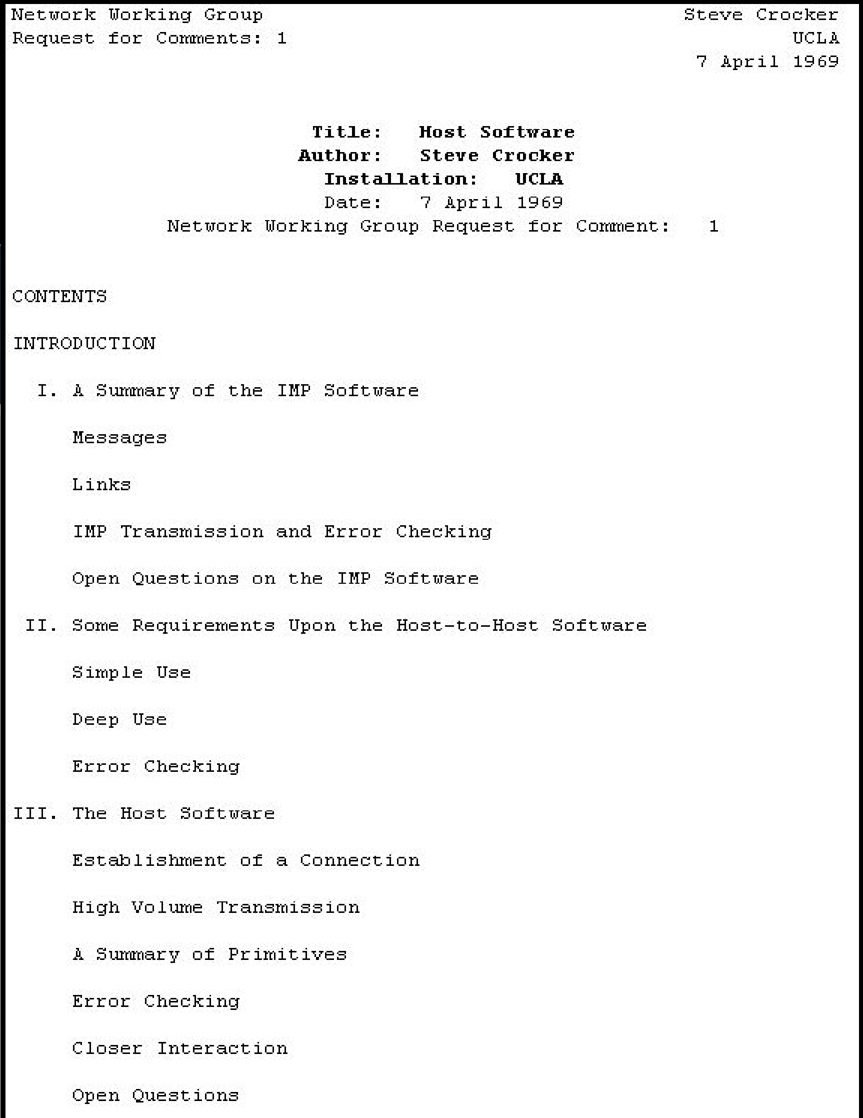
Other actions: Submit Errata | Find IPR Disclosures from the IETF

Abstract

This document aims to propose guidelines for human rights considerations, similar to the work done on the guidelines for privacy considerations (RFC 6973). The other parts of this document explain the background of the guidelines and how they were developed. This document is the first milestone in a longer-term research effort. It has been reviewed by the Human Rights Protocol Considerations (HRPC) Research Group and also by individuals from outside the research group.

For the definition of **Status**, see RFC 2026.

For the definition of **Stream**, see RFC 4844.



```
Network Working Group                                      Steve Crocker
Request for Comments: 1                                             UCLA
                                                            7 April 1969


                     Title:   Host Software
                    Author:   Steve Crocker
                      Installation:   UCLA
                      Date:   7 April 1969
          Network Working Group Request for Comment:   1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     IMP Transmission and Error Checking

     Open Questions on the IMP Software

 II. Some Requirements Upon the Host-to-Host Software

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     Deep Use

     Error Checking

III. The Host Software

     Establishment of a Connection

     High Volume Transmission

     A Summary of Primitives

     Error Checking

     Closer Interaction

     Open Questions
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