

« Hackathon » Open Data Brussels – October 2014

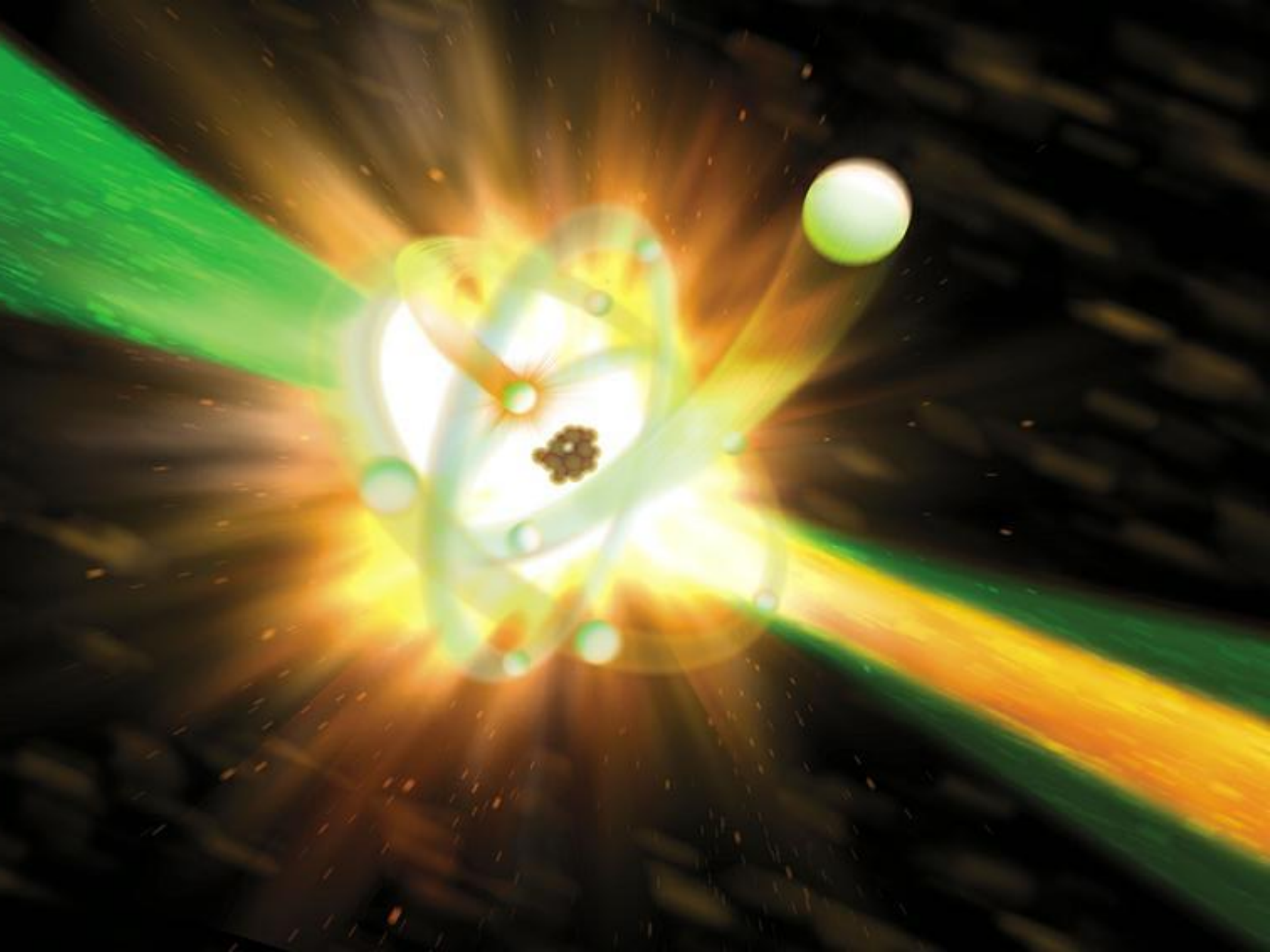
By Philippe Verstichel

Users Club UrbIS - 4 décembre 2014



Overview

- ◉ Genesis
- ◉ Orbi et Urbis
- ◉ Hackathon ! What did you say ?
- ◉ The Force : Open Data
- ◉ Of Pictures and Numbers
- ◉ Lessons learned
- ◉ No more Greek or Latin





City of
Brussels

Home Brussels by themes Citizen services You

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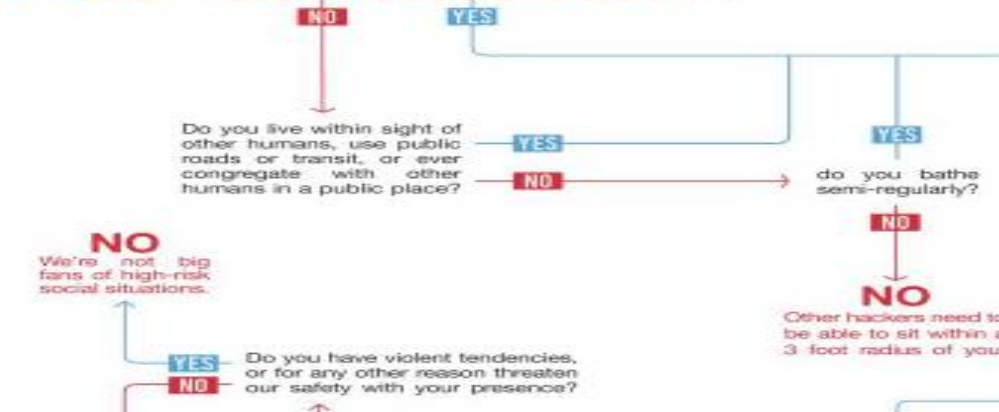
Suggestion for open data

Open data

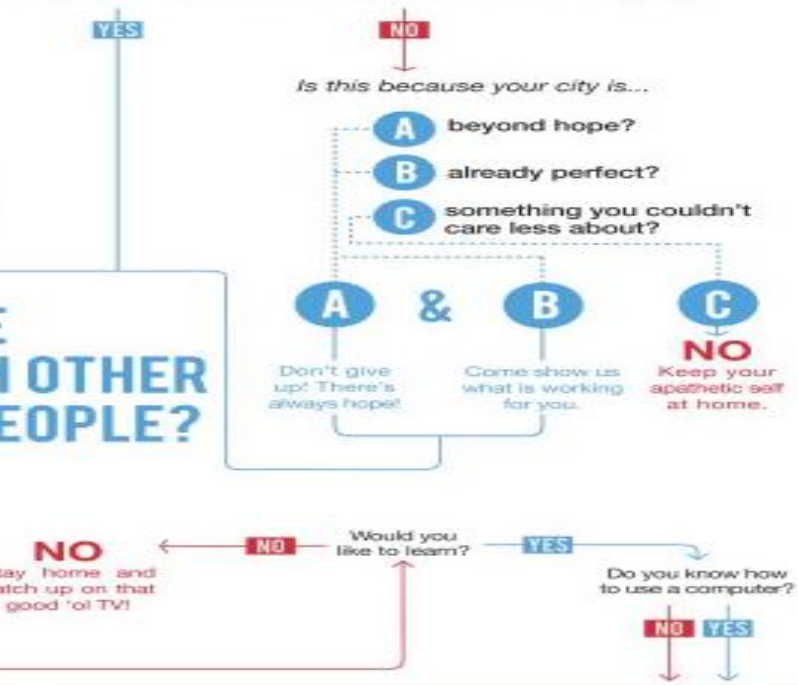
The City of Brussels makes open data or public data available via the opendata.brussels.be platform.



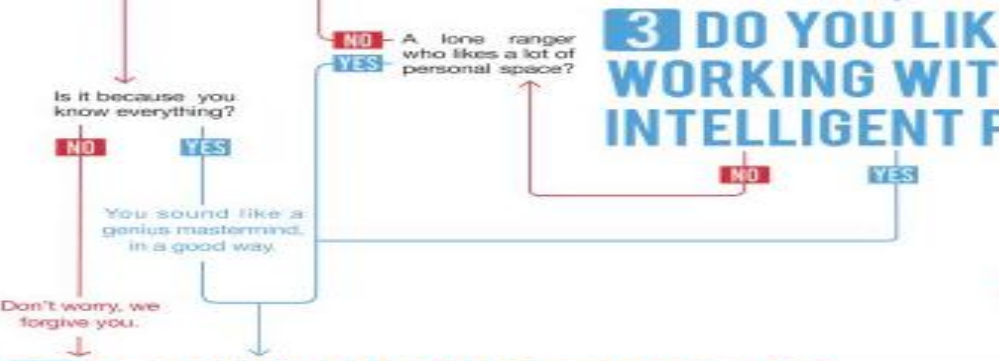
1 DO YOU LIVE IN A CITY?



2 DO YOU THINK YOUR CITY COULD BE BETTER?



3 DO YOU LIKE WORKING WITH OTHER INTELLIGENT PEOPLE?



4 DO YOU KNOW STUFF?



YES YOU SHOULD ABSOLUTELY COME TO A HACKATHON.





October 17th and 18th 2014

Global Enterprise and transforma bxl will be hosting the first Brussels Open Data Hackathon. The City of Brussels and the Brussels-Capital Region supports the event.

UrbIS data

Le CIRB propose plusieurs bases de données cartographiques et en gère la mise à jour.



UrbIS-Fot

Les photos aériennes correspondent aux prises de vues aériennes stéréoscopiques à grande échelle du territoire de la Région de Bruxelles-Capitale réalisées lors de survols de la Région en 1996, 1999, 2004 et 2009 et 2012.



UrbIS-Ortho

Les orthophotoplans résultent des traitements correctifs effectués sur les photographies aériennes de 2004, 2009 et 2012, pour éliminer les déformations dues au relief et à la perspective.



UrbIS-Topo

Les données topographiques correspondent à un ensemble de données cartographiques vectorielles à grande échelle, construites par photogrammétrie à partir de photos aériennes et par levés topographiques terrestres.



UrbIS-Adm

La base de données administratives contient les principaux découpages administratifs du territoire de la Région de Bruxelles-Capitale, auxquels ont été associés les codes officiels.



UrbIS-Map

Le fond de carte (UrbIS-Map) contient un ensemble de données graphiques vectorielles qui peut servir de support cartographique pour des applications thématiques et de géolocalisation.



François Du Mortier
Sébastien Defrance



Open Data



More than 260 datasets. Here below is a short overview of the different data categories you may find on the platform :

- Demography, Environnement, Childhood : 18 datasets
- Government, Finance, Local Economy, Markets : 21 datasets
- Administration, People, Citizenship : 19 datasets
- City planning, Urbanism, Housing : 8 datasets
- Culture, History : 15 datasets
- Heritage, Folklore : 19 datasets



What is a hackathon?

“A hackathon is an event where people get together and develop awesome projects in a short time span”¹

A 24-48 hour event where people gather to solve a specific problem with like-minded individuals.

1	Project idea's title	Description	Targeted audience	Which data sets are needed
2	ECO3BXL	Search and locate trees in Brussels displaying ECO Benefits, possibility to add tree near the place you	All citizens of Brussels	Arbres remarquables de Bruxelles
3	Improving NosElus.be	NosElus is an open source app for active citizenship, acting as an observatory of the Belgian parliament	Belgian Citizens	Parliamentary questions from Belgium
4	Free WiFi Public Spots	<p>The idea is to build a mobile app (let's start with an Android one) that would give you information about:</p> <p>There should be ideally 3 different ways to visualize the data (i.e. the places):</p> <ul style="list-style-type: none"> - on a list/spreadsheet, sortable by field(s) and/or searchable by keyword(s) (the ZIP code, the street name, ...) - on a (Google Street? or Open Street?) map; - by using a basic "compass look-alike" feature, pointing the direction to follow (+ the walking distance) <p>An additional feature could provide those public places (restaurants, cafes, libraries, ... offering free WiFi)</p>	Co-workers, students, tourists	wifi0 (EN) bruxelles_wifi (FR) wifi (NL)
5	Print Around	<p>With this application, users can search other users with active printers, where they can select the closest one offering the service, can choose the price per page, colour or b&w, location, available time and so on.</p> <p>The one searching for the printer can see a map with all the active printers around, the price per page and the location.</p> <p>The payment method is paypal.</p> <p>At the end, and after delivering the documents, both users can make a review.</p> <p>With this app, people can save time from waiting on huge lines in copy shops and pick up documents</p>	Active workers and students	
6	No title yet	<p>This app would locate all the beauties in Brussels that usually go unnoticed.</p> <p>That's an app. you'd use when you have time on your hands to explore and wonder.</p> <p>When entering a specific perimeter around one of those beauties (that could be a statue, a monument, a building, ...)</p>	Tourists and locals who wish to explore	<p>Right now, I targeted</p> <ul style="list-style-type: none"> - Arbres remarquables - Parcours BD - Parcs et Jardins publics - Patrimoine artistique de voirie <p>...But that can be discussed!</p>
7	BikeFocus	An application that shows where bikes have either very low risk of being stolen or high risk of being stolen	Every citizen owning a bike in Brussels	<p>Location where bikes have been stolen</p> <p>Location where there is a Bike Focus</p> <p>Location where there is high "crime rate"</p> <p>Location where there is Villo bike</p>
8	UrbanFit	Je pense à une application qui permet d'analyser la typologie d'une ville en terme de "urban design": av	<p>Urban designer</p> <p>Local authorities</p> <p>Citizens</p>	URbiS data on road type
9	Beer4me	An application that lists the cafés where somebody can find his preferred bier. Search with "Orval" and	Citizens	<p>List of cafés</p> <p>List of available Belgian beers</p>
10	Sprouts	An application to send a message to people who want to know when there is a new urban permit request	<p>Citizens</p> <p>Municipalities</p>	New building permits request in Brussels



(Shoot it) camera function



Find it function





<https://storify.com/JeanYvesHuwart/hackathon-open-data-brussels>

IS THE AIR CLEAN TODAY?



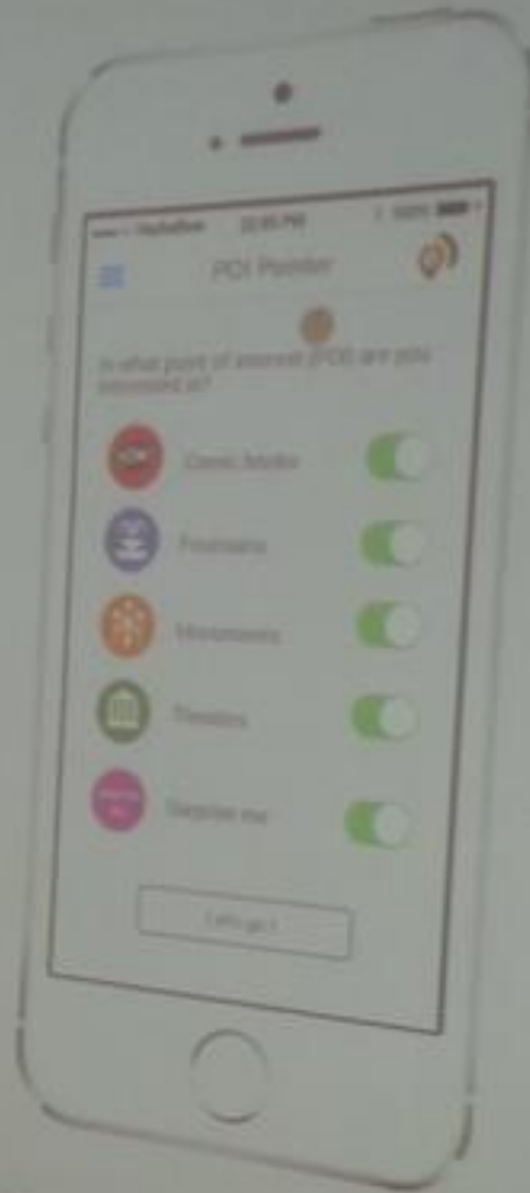
ALL DATA IS INZ OF PNO2
WITH 300

Scale



The Dust Barrels

One page web : Air Quality



Smartphone Apps : Point Pointer



Facts and figures

WHO goes to HACKATHONS?

NEWBIES
30%

went to a

Hackathon

for the **FIRST TIME**
LAST YEAR



VETS

70%

went to a

Hackathon

before they were **COOL**



11%
female



89%
male

2%

over **54**

16%

35 to **54**

61%

25 to **34**

21%

18 to **24**

1%

under **18**



WHY do people go to HACKATHONS?

86%

Learning



82%

Meet People



38%

Change the world



28%

Win prizes



27%

Free Pizza



26%

Build a product



21%

Glory



20%

Find a Team



17%

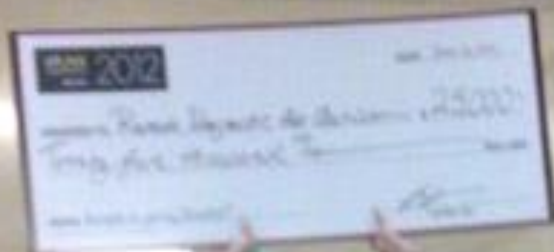
Get Hired



13%

Attract Investors





Think of the Children!

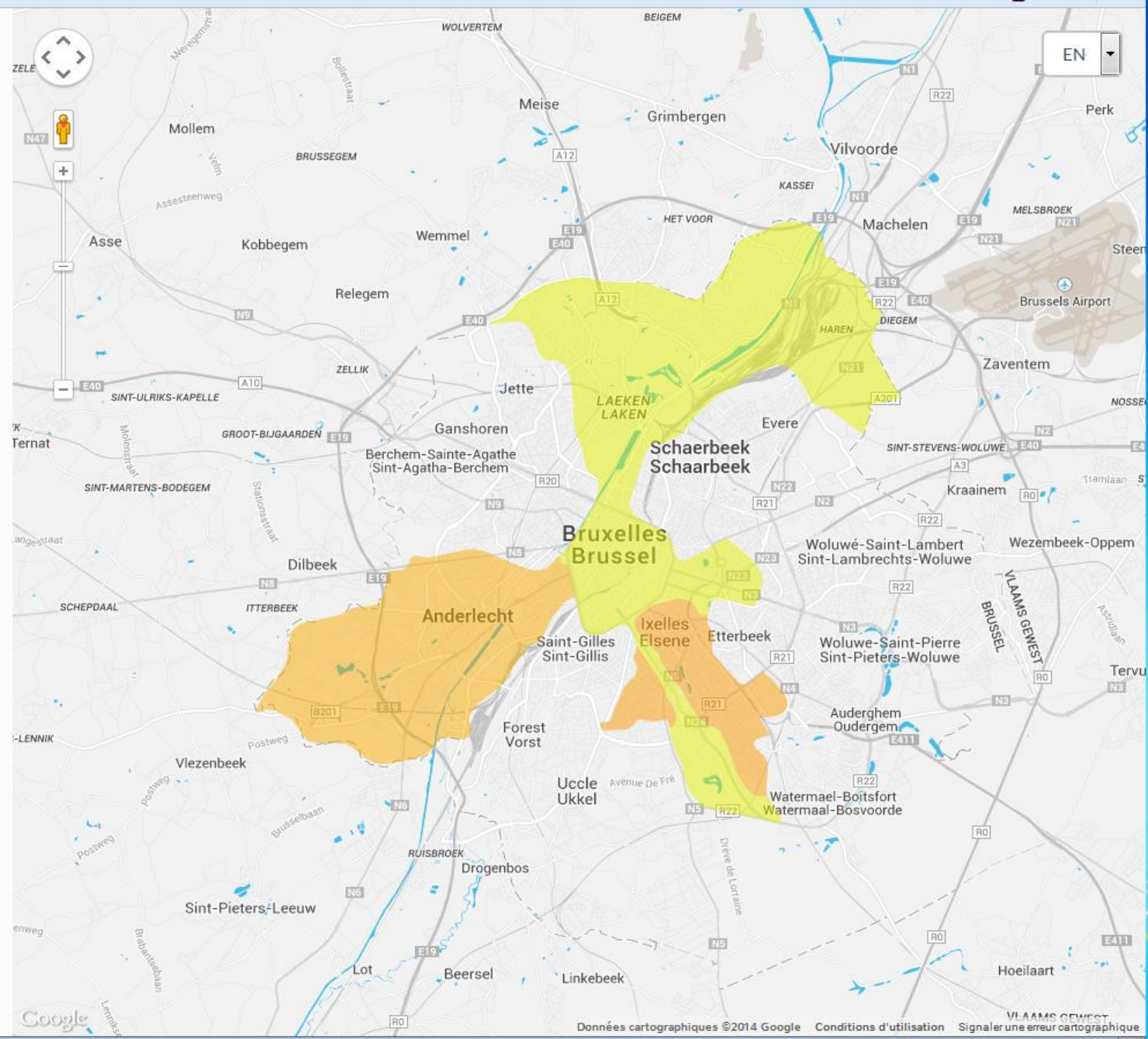
Bruxelles
 Ixelles
 Anderlecht

Kindergarten
 Primary

Show schools on map

Time Travel

2016







BOW : Almost there in Brussels !

Our biggest challenge : levelling the field !





Happy End !