#Navitia: how to build cool apps and services with an #OpenTransport toolbox?





Simplify mobility with digital services, MaaS solutions Kisio Digital, Keolis' digital subsidiary





110 employees





13 French Regions (PTA)

Transportation multimodal plateforms





+100 Public transport networks

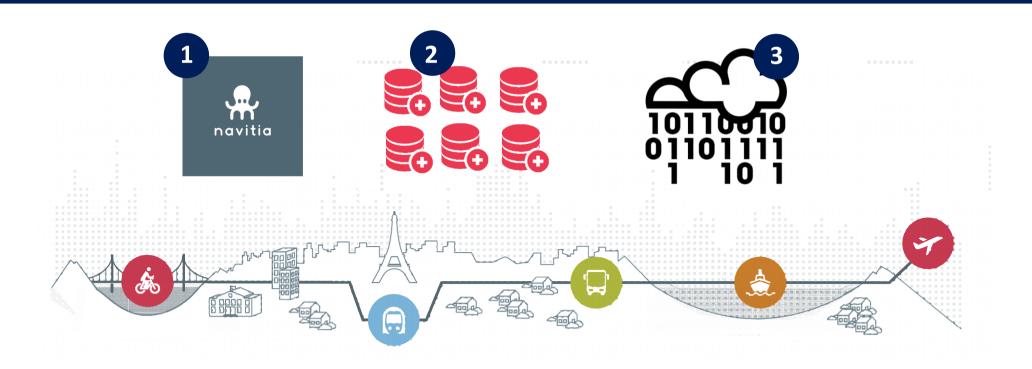


+1 bln journey plannings on Navitia

Connected mobility solutions for travelers, public transport operators and developers



Building Mobility as a Platform of Services #Navitia #OpenTransport #MaaPs





Navitia: six main features



Journey planner



Transportation data exploration



Timetables





Next departures



Around me (space and time)

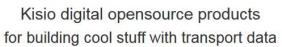


Isochrons (heat maps)



Navitia: being part of an open transport ecosystem, promoting openess, collaboration in transportation sector





















Applications

Navitia

++, Python

Navitia is the open API for building cool stuff with mobility data.

Navitia Playground

Javascript

Web UI for the navitia API.

Chaos

ython

Chaos is the web service which can feed Navitia with real-time disruptions. It can work together with Kirin which can feed Navitia with real-time delays.

Mímirsbrunn

Rust

Mimirsbrunn is a geocoding service build upon Elasticsearch. It is an independent service, but Navitia uses it as it's global geocoding service.



OpenStreetMap France Cartographions le monde rue après rue...





Jungle Bus

Libraries

Navitia Component

PHP

A PHP Library for querying navitia webservice.

libosm pbfreader

C++

A simple C++ library to read OpenStreetMap binary files.

Stay tuned!

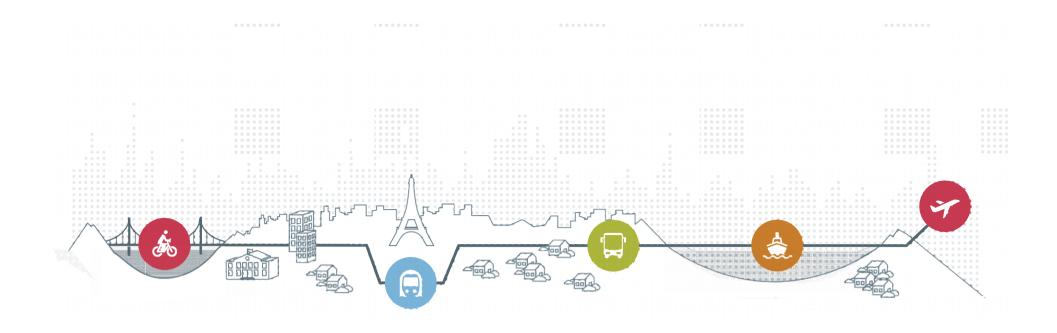
There is more to come

You want to reuse or contribute to Navitia?

https://github.com/CanalTP/navitia



Promote open innovation with Navitia transportation toolbox: API, SDK, data, software



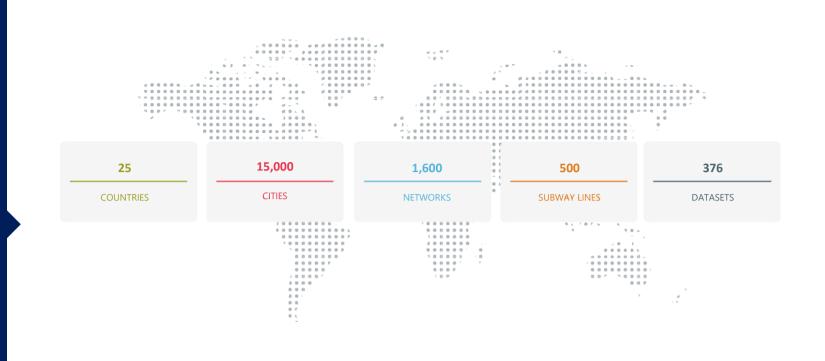


Navitia Open data bar, A worldwide transportation open data hub

Transportation data collected from Transit agencies (PTA/PTO)

+ One data set crowdsourced with Jungle Bus community and AFD in Accra (Ghana)

380 open datasets freshly updated, cleaned-up, and available



Budapest • New York City • Sydney • Paris • London • Berlin • Sao Paulo • Helsinki

Stockholm • Brussel • Madrid • Barcelona • Milano • Auckland • Boston • Seattle • Texas

Portland • Los Angeles • San Francisco

OpenDataSoft inside



How (almost...) anyone can take advantage of Transportation datas using Navitia?

USE CASES





TRANSPORT

Passenger information mobile App

A new door-to-door and multimodal journey planning experience, on short and long distances (all-in-one app)





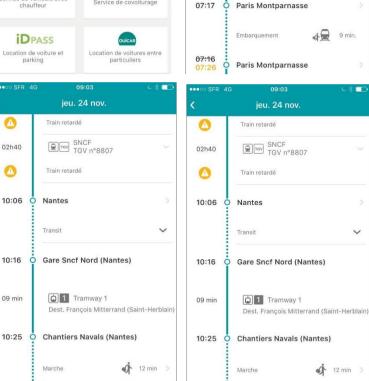




78 Boulevard De La Prairie Au

Duc, Nantes, France

10:37 0



ieu 24 nov

06:45 O 21 Rue Beccaria Paris France

O Paris Gare De Lyon

Bus 91

Dest. Gare Vaugirard

78 Boulevard De La Prairie Au

Duc, Nantes, France

78 Boulevard de la P... 10:37

13 min

21 Rue Beccaria Pari

Mon itinéraire

Durée 03h53



TRANSPORT MOBILE APP



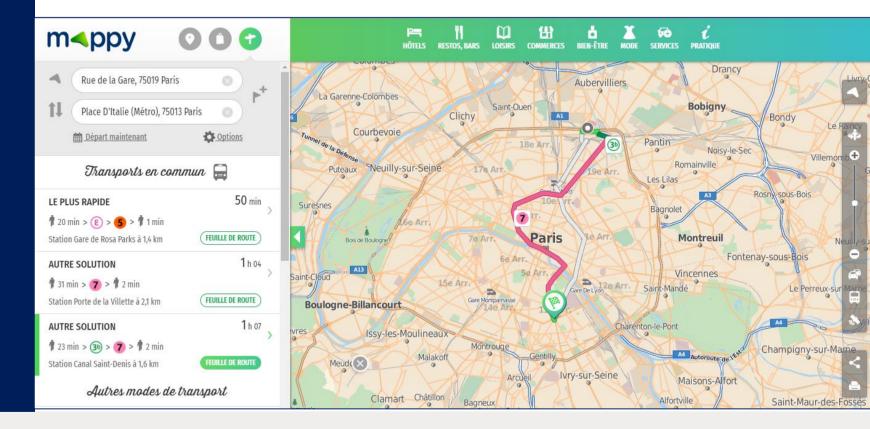
Mappy mobility comparator

Allows to find alternative routes with Public transport instead of using personal car

Compares all multimodal solutions (Public transport, bike sharing, car sharing, car pooling, Taxi, personal car...)









TRANSPORT

Transportr mobile app

The open source public transport mobile app that respects your privacy

A citizen / non-profit project, available for Android and F-Droid versions, in 21 contries, 52 cities, with open data inside

And soon with Accra opendata inside





The public transport companion that respects your privacy and your freedom.

Transportr is a non-profit app developed by people around the world to make using public transport as easy as possible wherever you are.

F-Droid Anchor APP ON Google play

Follow @TransportrAp







TRAMBOTS?

rez le futur des Transports en commun.

TramBots

Villes

TramBots

Conversational web services based on Facebook Messenger

You simply talk to the chatbot to get information you need

Available in 5 french cities

Will soon be part of « Invisible apps » found in What's App, WeChat, Facebook Messenger,...





Contact



Lancer TramBots



MACHINE I FARNING

TramBots évolue constamment Plus il a d'intéractions avec des humains plus il comprend & anticipe les réponses.



COMMUNAUTAIRE

Qu'il y ait 5, 10 ou 100 personnes en même temps, le bot redistribue l'information avec la même aualité.



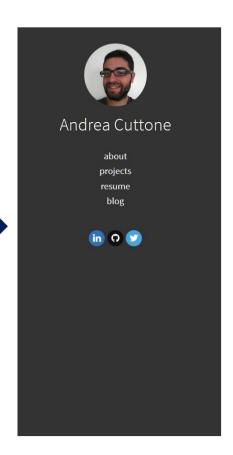
AU QUOTIDIEN

Plus de temps libre pour vous, plus de facilités dans vos déplacements et finalement toujours à l'heure.



Researcher Andrea Cuttone dataviz

Analysing travel times (accessibility) in Boston city with isochronous Navitia feature to enhance public transport offer, urban planning

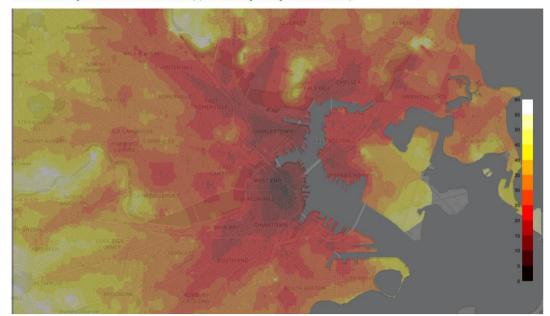


Visualizing travel time in Boston

Posted on Sun 04 October 2015 in Blog

I recently moved to Boston, and as always when moving to a new city, one starts to wonder "how long does it take to get around?". So I decided that it would be more efficient to automate the answer.

The idea is to fix a starting point (the Boston City Center), then measure how long does it take to get to a specific point in the surroundings using the public transport. This collection of travelling times can then be visualized on a map (click on the image for a higher resolution version):





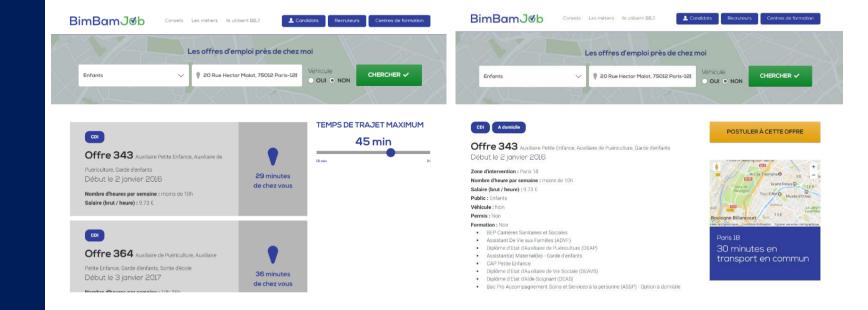
BimBamJøb

JOB BOARD WITH TRAVEL TIMES

BimBamJob

Integrate Public transport travel time to help job seekers finding jobs near their home





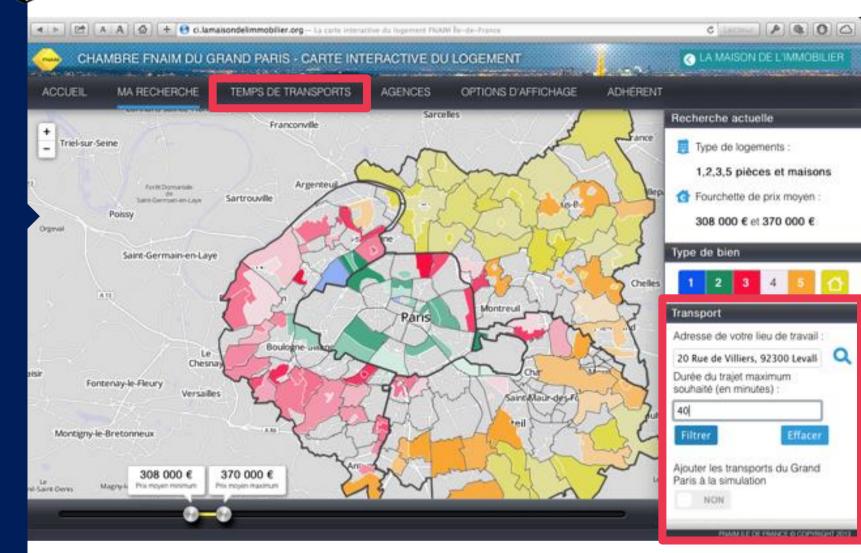


REAL ESTATE
DIGITAL
SERVICES
WITH PUBLIC
TRANSPORT

FNAIM Grand Paris

Integrate Public transport travel time combined with real estate data for people who look for a flat in greater Paris Region area

How to find the best place to live with the least travel time in Ile-de-France Region?

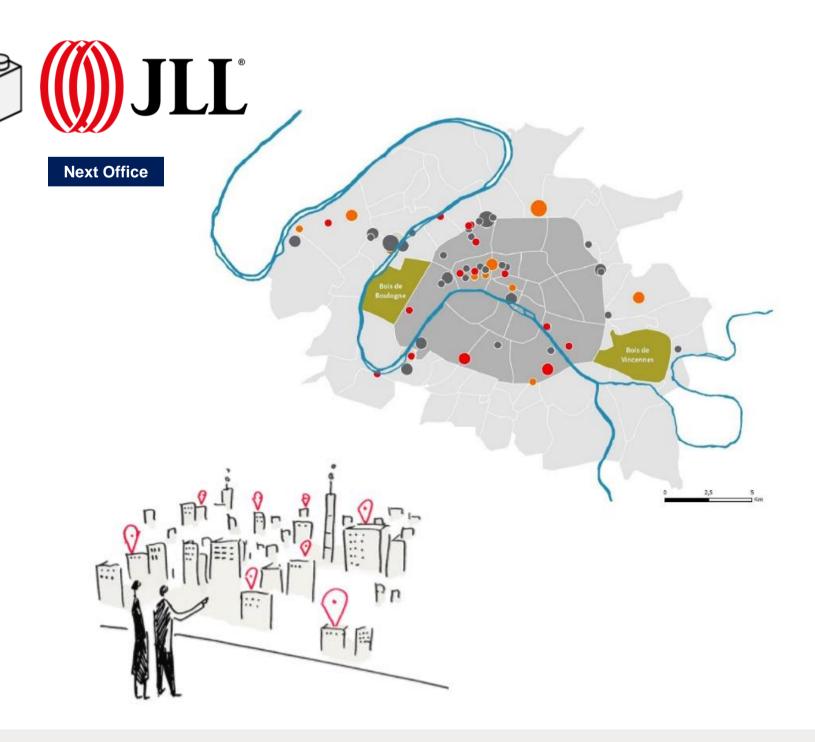




REAL ESTATE
DIGITAL
SERVICES
WITH PUBLIC
TRANSPORT

Jones Lang Lasalle

How to improve employees life quality by limiting travel times to go from their home to the office?
Using isochron
Navitia feature to make Company travel plan





CITY GUIDE MOBILE APP WITH PUBLIC TRANSPORT INFORMATION

Urban Pulse (Veolia Group)

Schedules, travel times, journey planning for citizens and tourists to get to best places to be (bar, restaurant, theater, concert, cultural acivities)



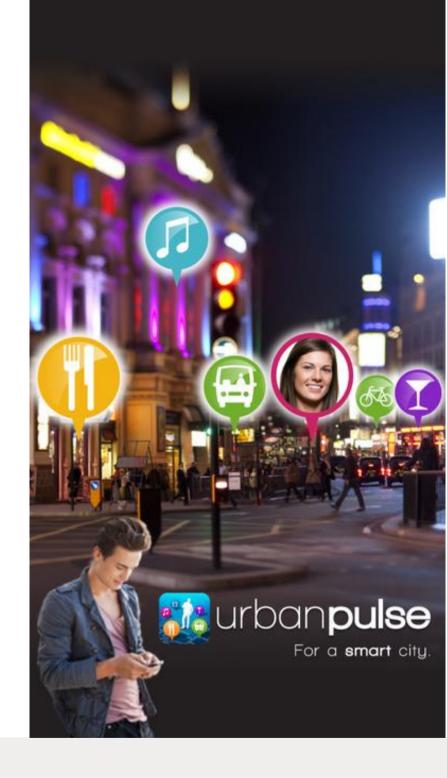












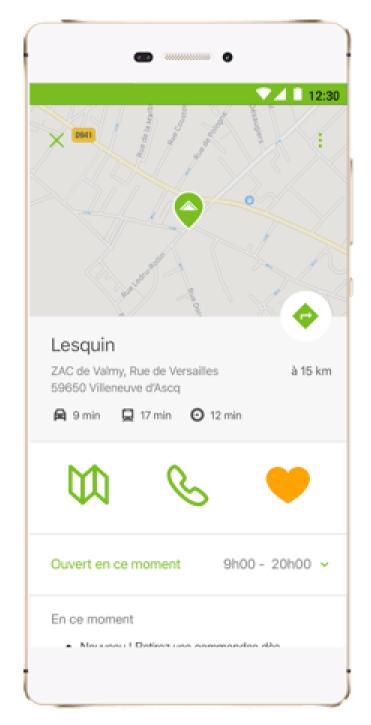


RETAIL / GO TO SHOP



Leroy Merlin mobile app

How customers can easily get to their favourite shor with public transport?



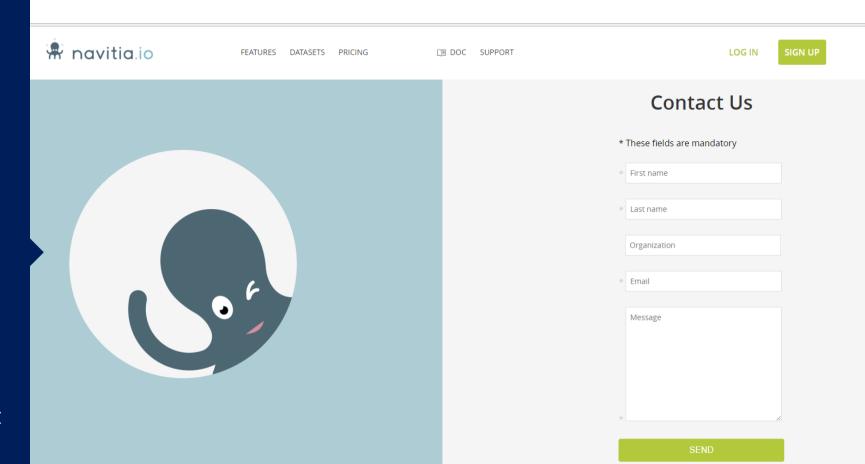






WE NEED TRANSPORTATION DATA

If you want to open your transit data, publish and promote them on Navitia API, contact us on www.navitia.io





#OpenTransport: enhance an open services plateform for better collaboration, to simplify mobility

More information on:

www.kisiodigital.com and www.navitia.io



Open service and open data: www.navitia.io API



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