

# Interactive City Tools

*- a structure for understanding*



**Andrew Nash**

**GreenCityStreets.com**

**May 14, 2013**

# Outline

1. What are *interactive city tools* anyway?
2. Why are they important?
3. Why develop a structure?
4. A proposed structure
5. Examples
6. Questions

# **1. What are interactive city tools?**



The image is a conceptual illustration of an iceberg. The visible tip of the iceberg is a jagged, white shape with a blue outline, floating on a dark blue sea. A horizontal line represents the water's surface. The word "facebook" is written in white, lowercase letters on a dark blue rectangular background, positioned on the visible tip. The submerged part of the iceberg is a much larger, white, irregular shape that extends deep into the water, representing the hidden aspects of the company. The sea is a solid dark blue color.

facebook

An iceberg floating in blue water. The visible tip of the iceberg is white and has a blue rectangular box with the word 'facebook' in white text. To the right of the tip, a small purple trapezoidal shape representing a city is visible above the water line, with a black smokestack emitting a black cloud. The text 'Your city?' is written in white on the purple shape. The large, submerged part of the iceberg is white and contains the text 'Social-based technologies designed to increase city livability, economic well-being and sustainability.' in bold black font.

facebook

Your city?

**Social-based technologies designed to increase city livability, economic well-being and sustainability.**

## **2. Why are interactive city tools important?**

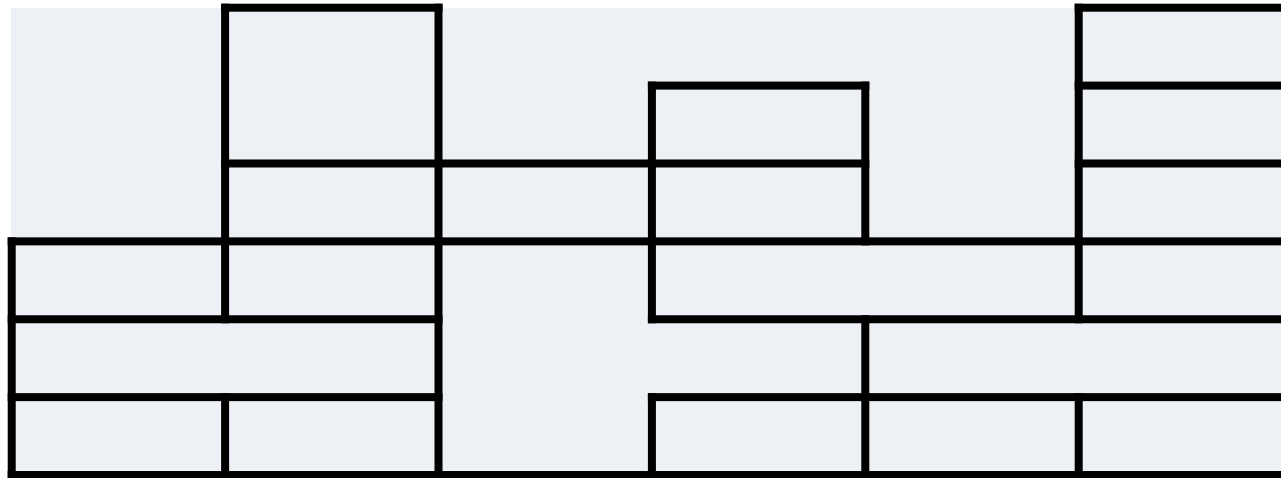
# Big Problems + Limited Resources

- Climate change
- Socio-economic change
- Demographic change
- Urban growth
- Financial crisis

***Cities need ideas and help from residents to remain livable ... “social era” principles.***

### **3. Why develop a structure?**





**A structure helps us understand possibilities**



**... for connecting and extending systems.**

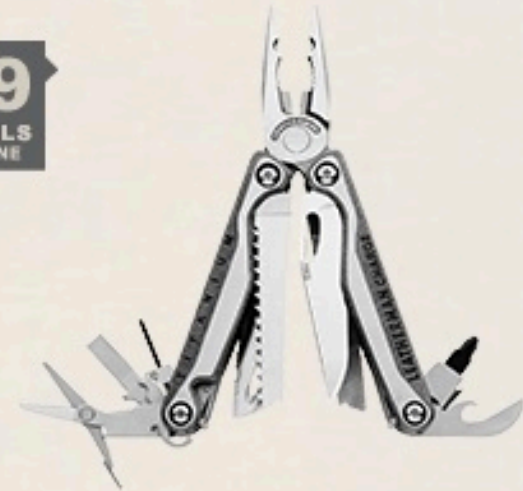
## **4. Interactive City Tool Structure**

# Caveats

- Rapidly changing field
- Many possible structures
- Many tools are multi-purpose

**Charge® TTi**

**19**  
TOOLS  
IN ONE



**Raptor**



**Rebar™**

**17**  
TOOLS  
IN ONE



**Sidekick®**

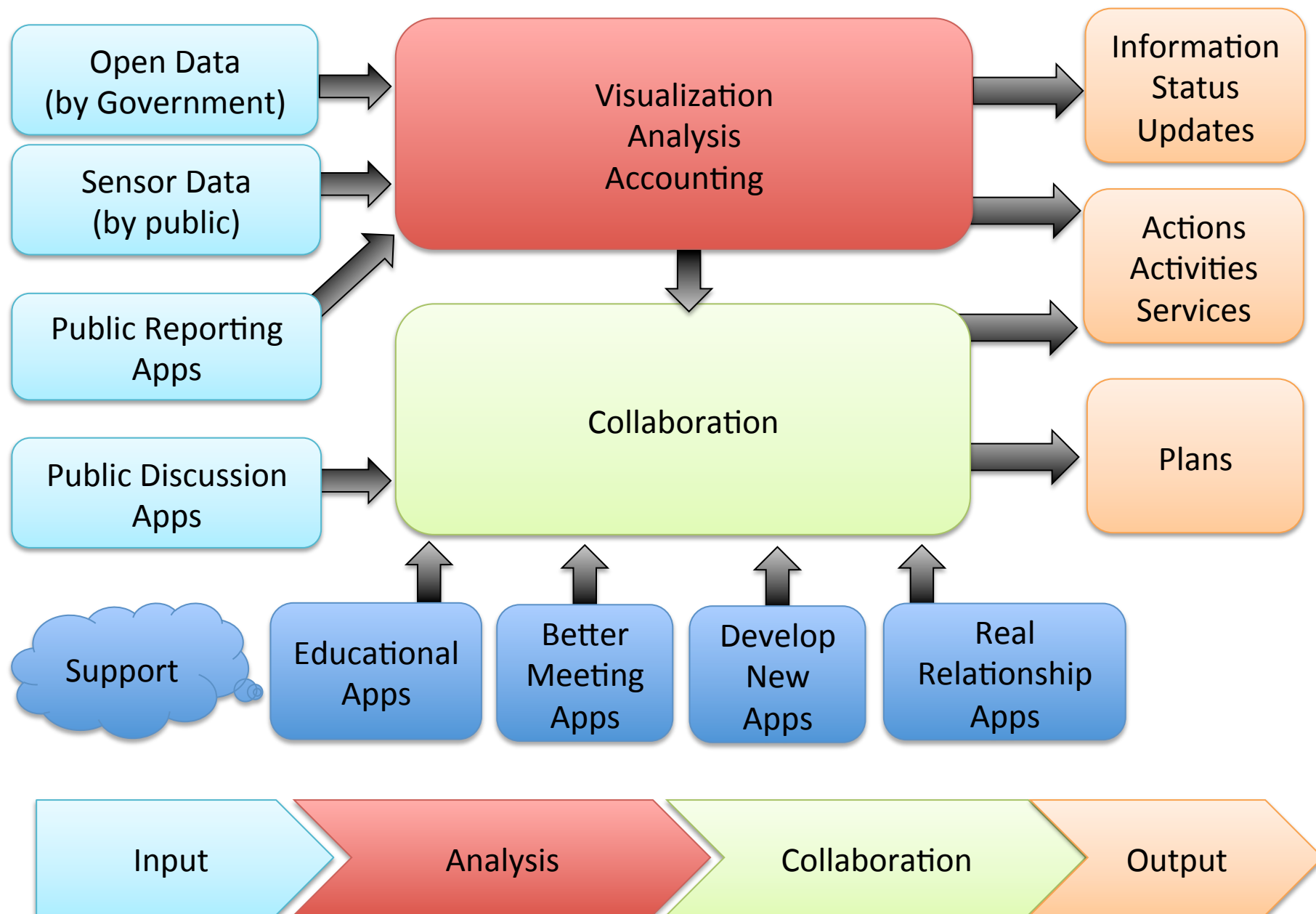
**14**  
TOOLS  
IN ONE



# Structure Framework

- **Input**
- **Analysis**
- **Collaboration**
- **Support**
- **Output**





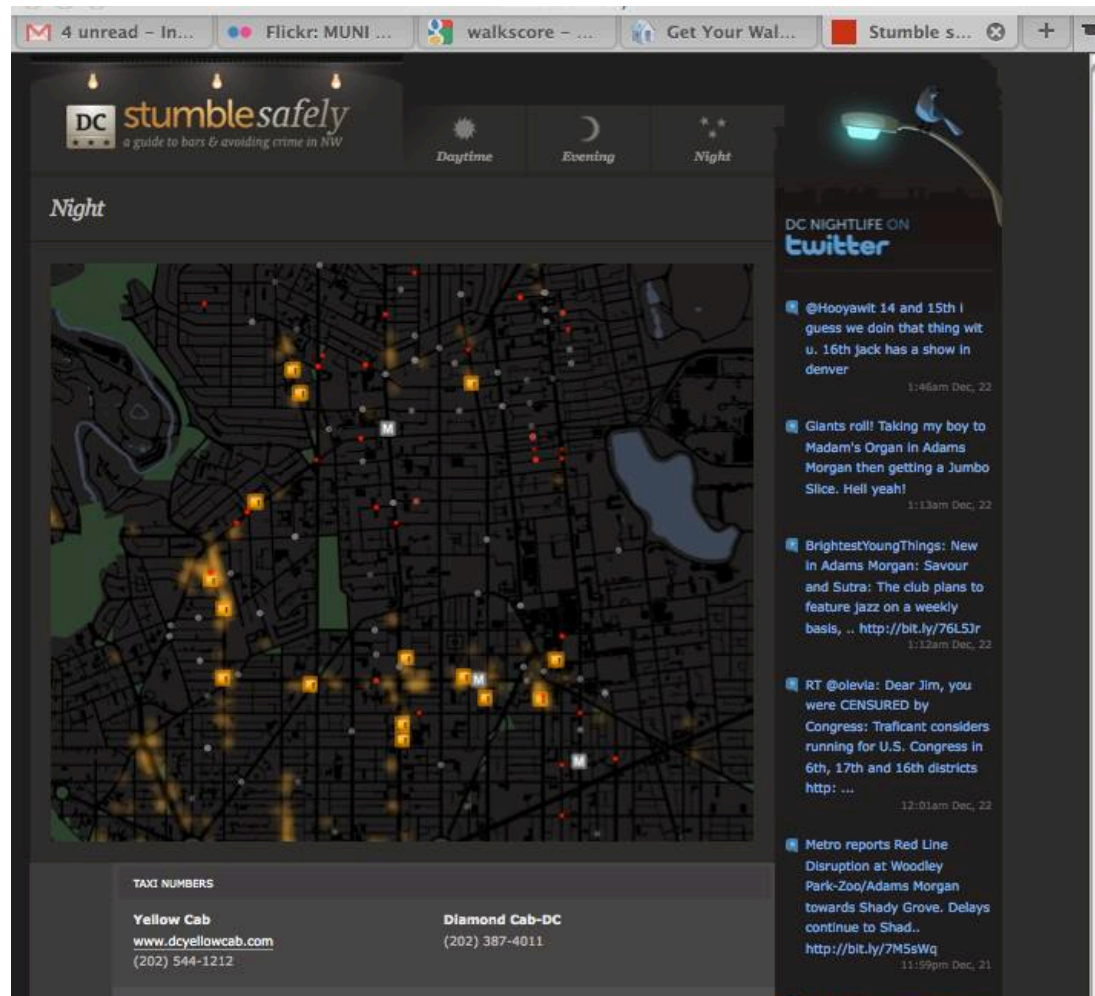
## **5. Examples**

Open Data  
(by Government)

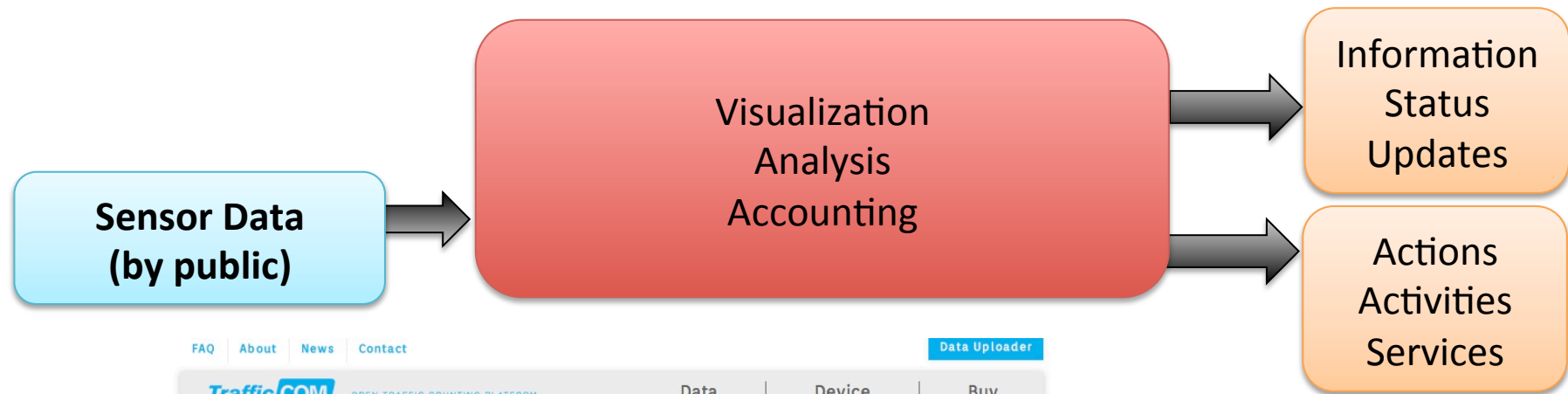
Visualization  
Analysis  
Accounting

Information  
Status  
Updates

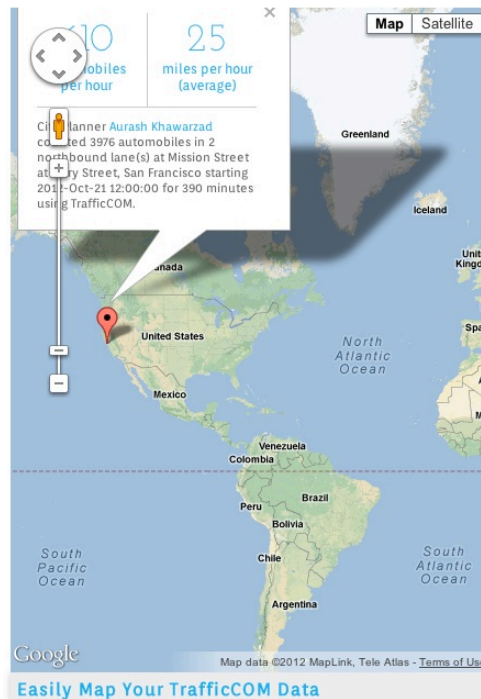
Actions  
Activities  
Services



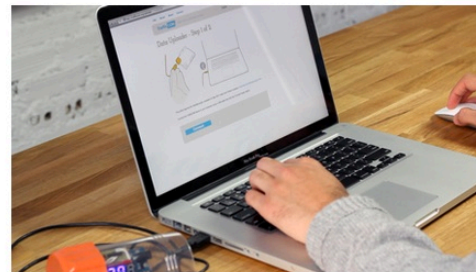




Now you can easily gather and share traffic count data for automobiles and bicycles



Take a Closer Look



Find Out How TrafficCOM Works

# Air Quality Egg

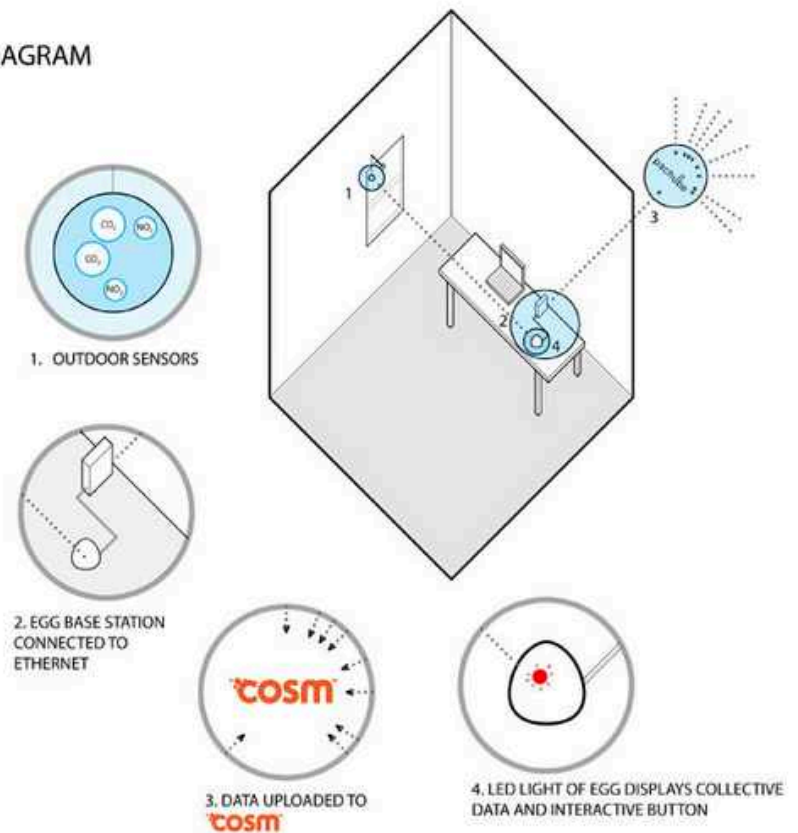
## How It Works

**1) Outdoor sensors:** A small electronic sensing system plug into the wall and sits outside your home taking regular readings. It has an RF transmitter, which sends the data wirelessly to an Egg-shaped base station inside.

**2) Egg base station:** An Egg-shaped base station, which gives this project its name, receives the wirelessly transmitted data from the sensor box outside. It then relays that data to the Internet via a wired Ethernet connection. The Egg also acts as a User Interface, so it also has an LED light and a button. These are configurable by applications which will be developed in the future by the community.

**3) Data sent to Internet:** The air quality data will be sent in real-time to **Cosm**, an open data service, which both stores and provides free access to the data. The service includes embeddable graphs and the ability to generate triggers for tweets and SMS alerts (it looks something **like this**), as well as a robust API which allows for developers in the community to unlock the potential of this new dataset by building mashups, maps, and applications.

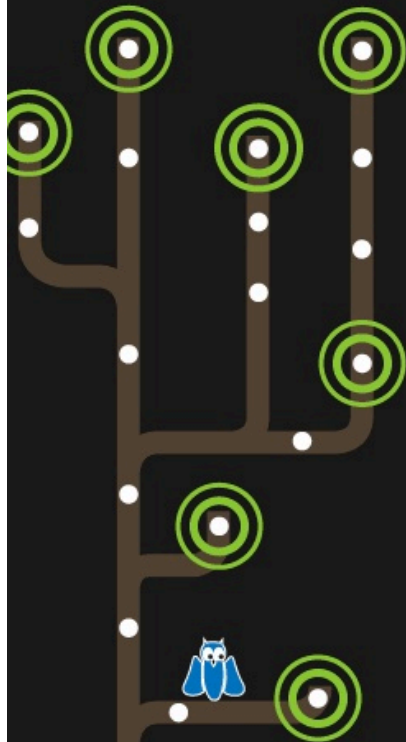
### SYSTEMS DIAGRAM



# Reporting



- 1. Mainstream social media (Twitter)**
- 2. Service status & reporting**
- 3. GPS reporting applications (e.g., bikes)**
- 4. Survey applications (e.g., Survey Monkey)**
- 5. Customized reporting applications**



Tweets

[Following](#)

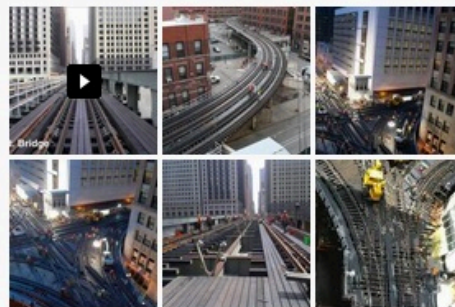
[Followers](#)

[Favorites](#)

[Lists](#)

Tweet to cta

@cta



[View all photos and videos](#)

Who to follow · [Refresh](#) · [View all](#)



**Streetfilms** @Streetfilms

Followed by [Aimee Custis](#) and [oth...](#)  
[Follow](#)



**Future Mobility Now** @fumono

Followed by [BestPracticeMobility](#) ...  
[Follow](#)



**Darrel W. Cole** @transPR

Followed by [Karen Quinn Fung](#) an...  
[Follow](#)



**cta** [@cta](#)

Official Twitter feed of the Chicago Transit Authority (the CTA!)  
Chicago, IL · <http://www.transitchicago.com>

6,987  
TWEETS

52  
FOLLOWING

22,042  
FOLLOWERS



[Follow](#)

Tweets [All](#) / [No replies](#)



**cta** @cta

9h

79 79th buses are temporarily rerouted via 79th, Ashland, 83rd, Damen, and 79th.  
[Expand](#)



**cta** @cta

14h

Some 95th-bound Red Line trains are operating with delays after earlier fire department activity at Sheridan. Service is resuming.  
[Expand](#)



**cta** @cta

15h

95th-bound Red Line trains are experiencing a delay at Sheridan due to fire department activity.  
[Expand](#)



**cta** @cta

18h

The temporary reroute of 3, 4, 6, 14, 10, 126, 130, 146, 147 buses near Grant Park has ended.  
[Expand](#)





## What's Street Bump?

Street Bump is a crowd-sourcing project that helps residents improve their neighborhood streets. Volunteers use the Street Bump mobile app to collect road condition data while they drive. The data provides governments with real-time information to fix problems and plan long term investments.

[Learn More](#)

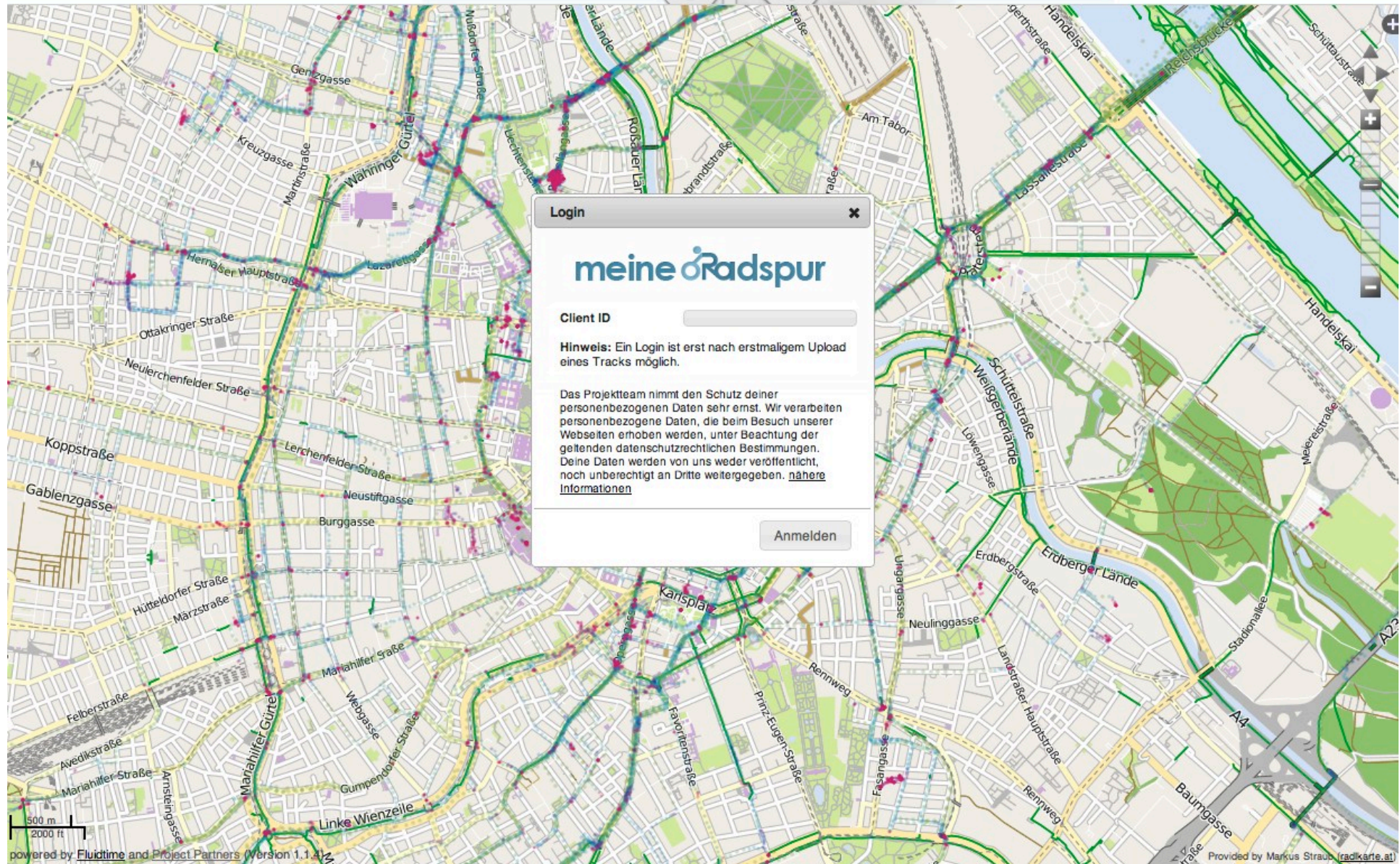
## Where is Street Bump being used?

1,837 trips recorded, 102,506 bumps detected

**17** bumps reported in Boston, Massachusetts about 15 hours ago







Login

meine oRadspur

Client ID

Hinweis: Ein Login ist erst nach erstmaligem Upload eines Tracks möglich.

Das Projektteam nimmt den Schutz deiner personenbezogenen Daten sehr ernst. Wir verarbeiten personenbezogene Daten, die beim Besuch unserer Webseiten erhoben werden, unter Beachtung der geltenden datenschutzrechtlichen Bestimmungen. Deine Daten werden von uns weder veröffentlicht, noch unberechtigt an Dritte weitergegeben. [nähere Informationen](#)

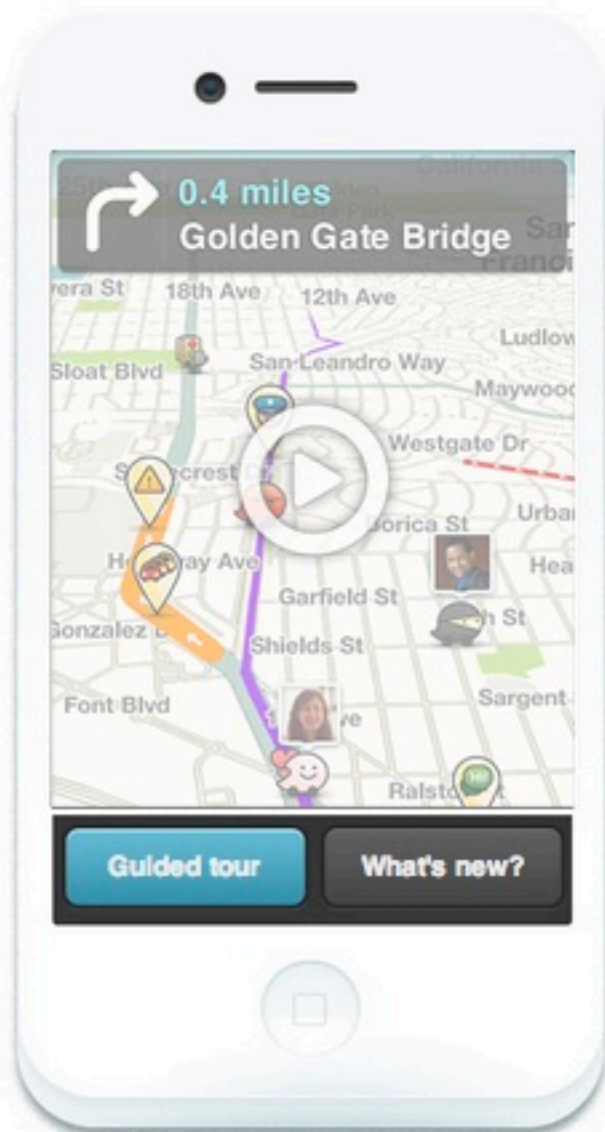
Anmelden

500 m  
2000 ft

powered by Fluidtime and Project Partners (Version 1.1.4)

Provided by Markus Strauß (radkarte.at)





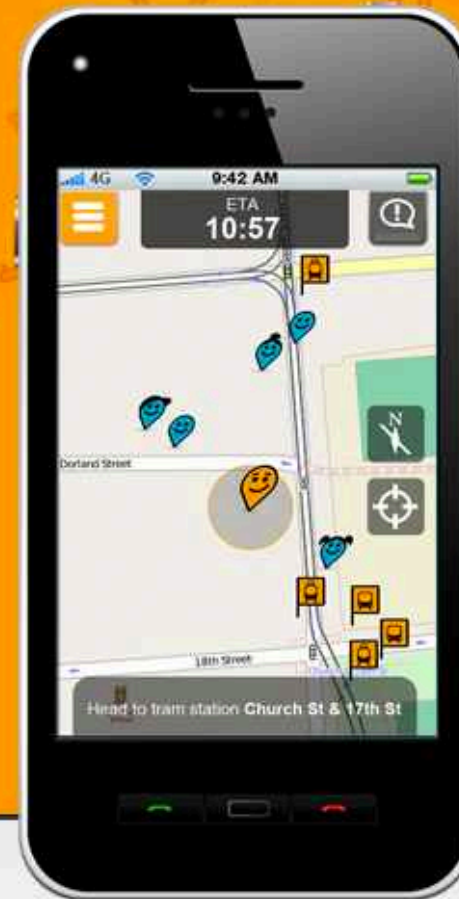
Get the best route,  
every day, with real-time  
help from other drivers.



Waze is the world's fastest-growing community-based traffic and navigation app. Join other drivers in your area who share real-time traffic and road info, saving everyone time and gas money on their daily commute.

[Download](#)[Tour](#)[Contact](#)

Want to choose the  
fastest, least crowded  
route every time?  
**moovit - social GPS for  
public transport**



Moovit is a community-based app that takes the hassle out of public transport. No more checking the schedules for the bus, train, tram or metro. Join your local community of users to receive and share real-time information about your trip and navigate easily to your destination.

**Free Download**





# **Customized reporting applications**

Report an Issue

Follow this Place

Sort by: Hotness ▾

## 2 Graffiti - Public - Other\_enter\_additional\_details\_below Acknowledged

290-298 7th St San Francisco, CA 94103, USA - South Of Market

reported about 8 hours ago

SF311 about 8 hours ago

Your request to SF311 has been accepted. Your service request ID is 992366

Join the conversation!

## 2 Garbage and/or overgrowth near building Acknowledged

142 Brighton Ave San Francisco, CA 94112, USA - Ingleside

reported about 9 hours ago

SF311 about 9 hours ago

Your request to SF311 has been accepted. Your service request ID is 992335

Join the conversation!

## 2 Graffiti - Public - Other\_enter\_additional\_details\_below Acknowledged

Ocean Ave & Aptos Ave San Francisco, CA 94127, USA - Ingleside

reported about 9 hours ago

SF311 about 9 hours ago

Your request to SF311 has been accepted. Your service request ID is 992333

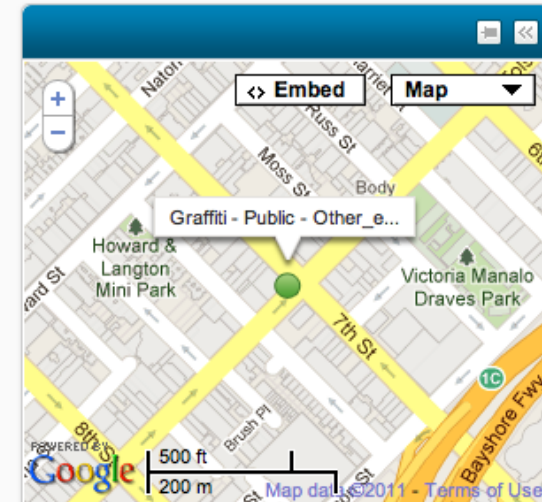
Join the conversation!

## 2 Illegal\_Dumping Acknowledged

1927 Alemany Blvd San Francisco, CA 94112, USA - Outer Mission

reported about 15 hours ago

SF311 about 15 hours ago



Top Users Who's Watching

Sinclair

Raph

Neighboreyes

hubbert

sodapop

More Top Users Nearby >



FixMyTransport  
Euston, we have a problem

BETA

[ABOUT](#) [FEEDBACK](#)

[mysociety](#)

[DONATE](#)

[OUR SITES](#)

[Sign in or sign up](#)

# Had a bad train journey?

Report your problem with a:

STOP or STATION

JOURNEY or ROUTE

and we will help you get it fixed



Follow us on Facebook



Follow us on Twitter

How does it work?

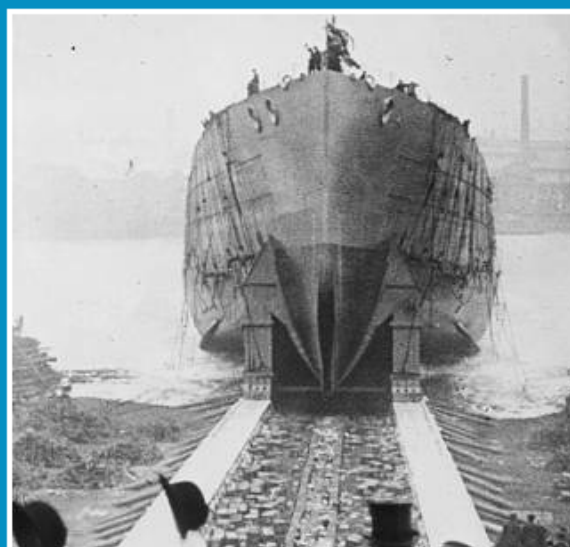
## What FixMyTransport does

- ✉ Reports problems
- 🔍 Finds people responsible
- ♥ Grows support
- 📶 Tracks progress
- ✓ Gets things done

## FixMyTransport Launches!

Welcome to FixMyTransport, a site specially built for public transport users in Britain who want to make public transport better for us all. We've worked hard to make the site work well, but we're sure there are plenty of things we won't have got quite right - so please do [send us feedback](#) if there's anything that's not right, or anything you'd like to see added or improved.

If you're here and you don't have a problem to report today, why don't you [look through the list](#) of recent problem reports, or [browse your local area](#). If you're feeling sunny you could even leave a compliment about a route or station that you think is particularly



## Browse Site

[View recent issues](#)

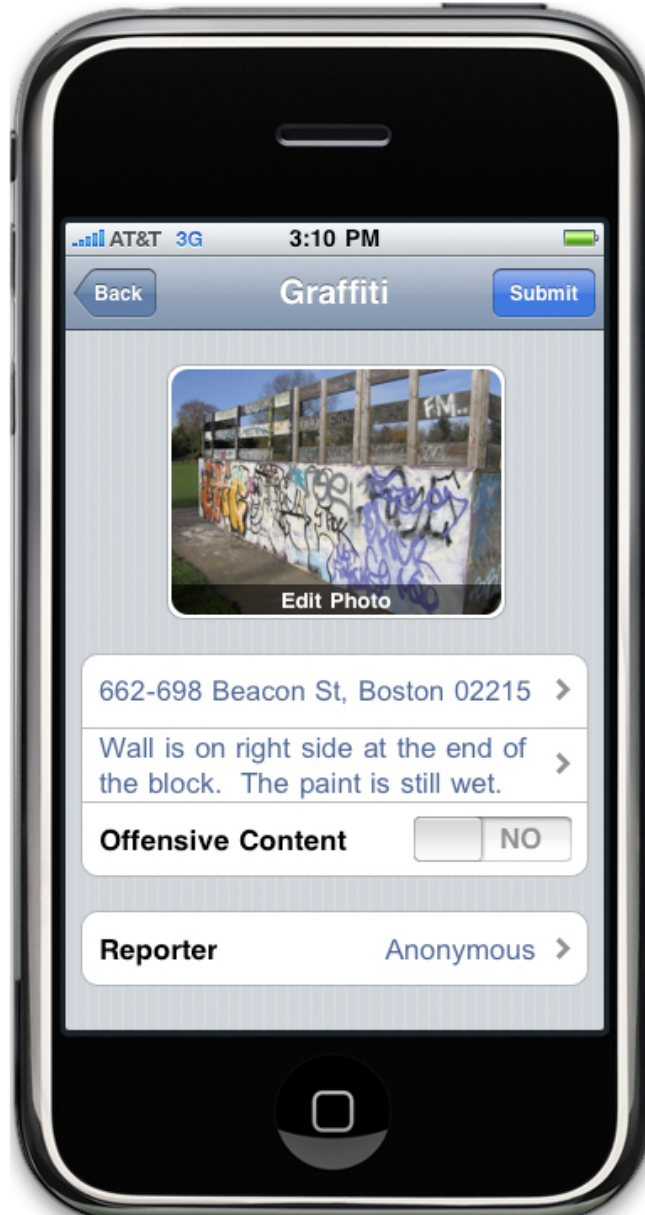
[View routes by region](#)

[Map of issues](#)



## Citizens Connect App

The Citizens Connect mobile app helps residents make their neighborhoods even better. The app, which works on Android phones and iPhones, makes helps constituents report potholes, graffiti and other service issues. We encourage you to [download the app](#) or take a look at some of the [recently reported issues](#).



GVB - CMS

gvb\_master.localhost/backend.php/issue

Ingelogd als: TVM [Uitloggen](#)

Menu

Dashboard

Dashboard

Defecten/Aanpassingen

Meldingen maken

Meldingen bekijken

Categoriën

Login beheren

Persoonsgegevens wijzigen

Uitloggen

Overzicht meldingen

Indiener	Titel	Omschrijving	Categorie	Status	Toegekend aan	Gemaakt op	Oplosdatum	Stemmen
Hans Brandenburg	<a href="#">Beperking</a>	Beperking va...	Calamiteit op vrije tram-busbaan	Afgehandeld		5 juni 2012 9:06		2
Wim van Barneveld	<a href="#">Matrixborden geven aan dat er nog een tram komt lijn 1 0.44 uur.</a>	Categorie kl...	Beschadigde abri	Afgehandeld		8 juni 2012 16:13		0
Wim van Barneveld	<a href="#">overtolig groen</a>	tussen halte...	Hinderlijk groen	Afgehandeld		15 juni 2012 13:00		0
Wim van Barneveld	<a href="#">kopteken onduidelijk</a>	kopteken op...	Slecht plaveisel op een halte	Afgehandeld		15 juni 2012 13:01		0
Wim van Barneveld	<a href="#">display stuk</a>	halte koning...	Beschadigde abri	Afgehandeld		15 juni 2012 13:03		0
Wim van Barneveld	<a href="#">kopteken verkeerde plek</a>	kopteken hal...	Slecht wegdek	Afgehandeld		15 juni 2012 13:10		0
Wim van Barneveld	<a href="#">matrixborden geven nog aan dat er een tram komt terwijl de laatste al geweest is</a>	matrixborden...	Beschadigde abri	Afgehandeld		25 juni 2012 11:36		0
Wim van Barneveld	<a href="#">negenooig richting Aker is 1 van de rode lichten kapot</a>	negenooig ric...	Verkeerslichten	Open		10 juli 2012 15:00		0
Wim van Barneveld	<a href="#">negenooig richting CS is 1 van de rode lichten kapot</a>	negenooig ric...	Verkeerslichten	Open		10 juli 2012 15:01		0
Wim van Barneveld	<a href="#">verkeerslichten zijn star</a>	verkeerslich...	Verkeerslichten	Open		17 juli 2012 10:11		0
Wim van Barneveld	<a href="#">begrenzing verwijderen</a>	werkzaamhede...	Calamiteit op vrije tram-busbaan	Afgehandeld		19 juli 2012 18:59		0
René van Poelgeest	<a href="#">Wegdek is in slechte staat</a>	Op genoemde...	Slecht wegdek	Open		20 augustus 2012 13:07		0
René van Poelgeest	<a href="#">Slecht wegdek</a>	In de gecomi...	Slecht wegdek	Open		20 augustus 2012 13:12		0
René van Poelgeest	<a href="#">slecht wegdek</a>	Bij de halte...	Slecht wegdek	Open		20 augustus 2012 13:18		0
René van Poelgeest	<a href="#">slecht wegdek</a>	Tijdens het...	Slecht wegdek	Open		20 augustus 2012 13:25		0
René van Poelgeest	<a href="#">slecht wegdek</a>	Put ligt sle...	Slecht wegdek	Open		20 augustus 2012 13:31		0
René van Poelgeest	<a href="#">slecht wegdek</a>	Bij de halte...	Slecht wegdek	Open		20 augustus 2012 13:37		0
Wim van Barneveld	<a href="#">wildgroei struiken</a>	Hier groeien...	Hinderlijk groen	Open		21 augustus 2012 10:07		0
Wim van Barneveld	<a href="#">PID geeft verkeerde info</a>	PID op halte...	Beschadigde abri	Open		2 oktober 2012 15:03		0
asdf	<a href="#">ProbleemTestSiebe 39</a>	asfdsaddfsad...	Calamiteit op vrije tram-busbaan	Intern in behandeling	blabla@blab.com	18 oktober 2012 10:22		0

25 results

export

create

filters

Melding ID:

Status:

Vanaf:

Lijn:

Verantwoordelijke:

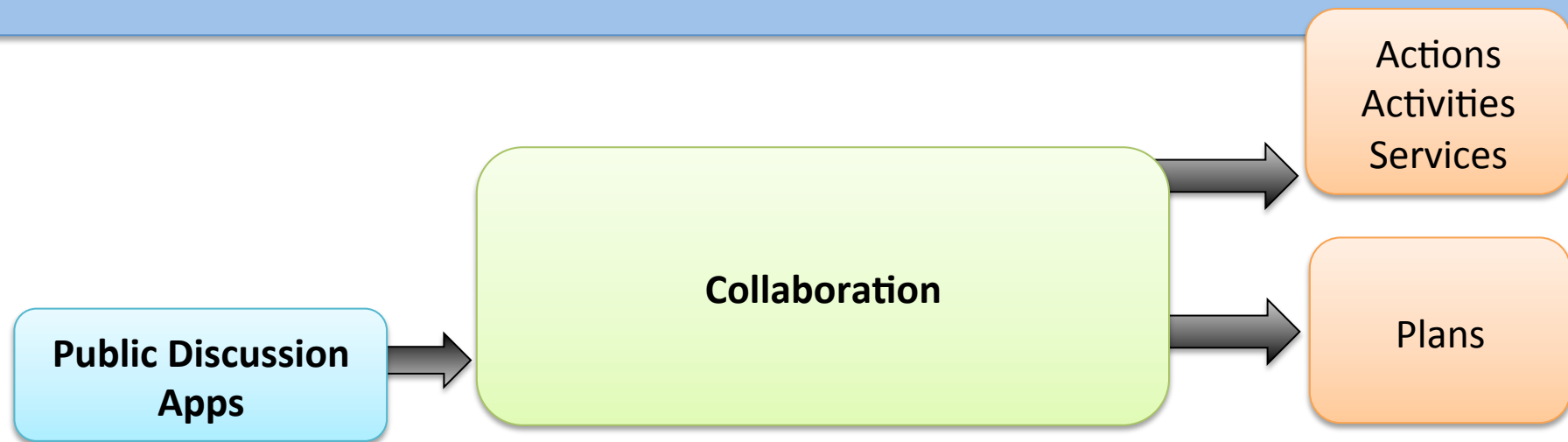
reset

filter

A key part of customized reporting apps are back-end analysis and tracking systems.

Example: Verbeterdebuurt, Netherlands

# Discussion



**discussion = collaboration**

**reporting = minimal collaboration**



Sponsored by the City and County of San Francisco. [Who's Listening](#)


 Connect
SIGN IN
JOIN

Creating a better San Francisco

TWITTER FEED

oskimonster: RT @ImproveSF: Adult winner Jonathan speaking about his design at the ImproveSF Winner's Party!  
<http://t.co/uKGX3fYH>

piirtobmxksl6: RT @JonathanBertell: @ImproveSF I'm truly honored, grateful and very happy about being the winner of the adult category. Thank you!

SHARE

SIGN UP NOW!

Share your ideas today!

**Introduction Message from Mayor Lee**  
View this quick welcome video presented by Mayor Lee to better understand how you can help move San Francisco forward! Your city is listening. Share your ideas today!  
[WATCH THE VIDEO](#)

**HELLO!**  

Select Language

Powered by Google Translate

**PROJECT DETAILS**

Welcome to ImproveSF! Our aim is to generate opportunities for government and citizens to work together by connecting civic challenges to community problem-solvers.  
Have questions? Tweet them to us at [@improvesf](#).

CATEGORIES

**ENERGY USE CHALLENGE**

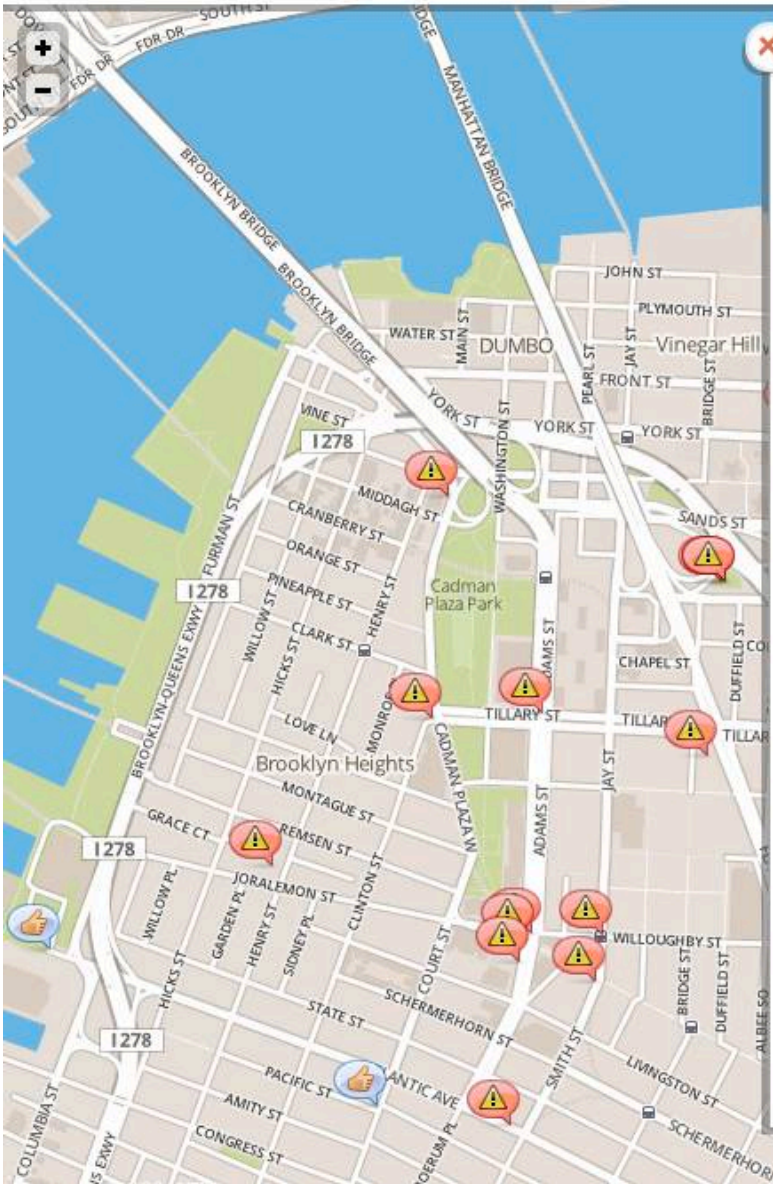
**Help change how SF thinks about energy use!**  
What would inspire YOU to share your residential energy use data? Did you know that your energy bill has a wealth of useful information? If more of us share our energy use data, we...  

[View 1 Challenge](#)
97 Interactions

**Design the new San Francisco Public Library cards**  
After receiving over 3,000 submissions, the judges have come up with TEN finalists in each category for the Library Card Challenge. The design with the most votes from each of the...

San Francisco Mind Mixer website

## KIDS RIDING ON SAFE STREETS

[About](#)[Make Brooklyn Safer](#)

**About**

The KROSS/walk project wants your input on locations in Downtown Brooklyn and the surrounding neighborhoods.

**Tell us about the safe intersections that make your walking and biking trips better, and tell us about the unsafe intersections that make your trips worse.**

These comments will be mapped and coordinated for Community Boards, local elected officials, our police precincts, to make positive changes and to Make Brooklyn Safer! The maps will also be useful to help choose routes when traveling on a new street or on the different path.

In trying to find a healthy and safe alternative to getting our kids around Brooklyn, we have found that making our local trips on bike and on foot allows for our kids to be part of the movement, literally. Brooklyn kids are on the streets getting to and from school, activities, sports, and parks. Brooklyn kids are meeting and greeting each other, and our streets are the places to meet, or the place in between it all. Brooklyn kids know the rules of the road, (cars rule!) and we would like to mix it up with your help. We all have our own routes that work for us, and there are routes we avoid. As a community we aim to make our streets safer by pointing out problems that concern us, as people who ride/walk/travel with our kids. You don't have to have kids to care about their safety.

© OpenStreetMap contributors, CC-BY-SA. [Terms & Feedback](#)

**Shawn** identified an Unsafe Intersection

**Hilda** identified an Unsafe Intersection named DeKalb & St. Felix

**Frank** identified an Unsafe Intersection named Adams at Fulton Mall

**Someone** identified an Unsafe Intersection named Flatbush & Tillary

**Doug** identified an Unsafe Intersection named Butler & 4th Ave.

**Frank** identified an Unsafe Intersection named Adams & Willoughby

**Frank** identified an Unsafe Intersection named Adams & Willoughby


**Joan Oleck** identified an Unsafe Intersection named St. Johns Place & Plaza St. East

**Anthony** identified an Unsafe Intersection named Havermeyer & S. 4th

Powered by *Shareabouts*.

# Shareabouts ... Brooklyn pedestrian safety (OpenPlans)






[Forum](#)[Game](#)[Best Practices](#)[Login with Facebook](#)

# Sustainable Urban Transport

Helping you make transport in your city more sustainable.




## GreenCityStreets Forum


The GreenCityStreets Forum provides a place for you to recommend sustainable transportation ideas for your community. You can support (Like) or comment on ideas already in the Forum or add your own ideas. Use the links to display all the ideas for a city, for a public transport line or from another user.

Beta Version - Everyone can read GreenCityStreets Forum posts but currently you need to login via Facebook to add posts, support or comment.

### Latest Forum Posts

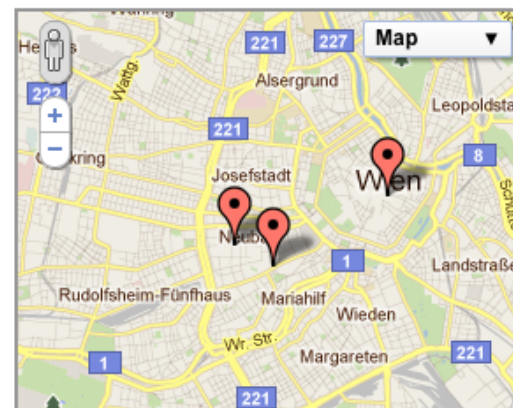
- 

0

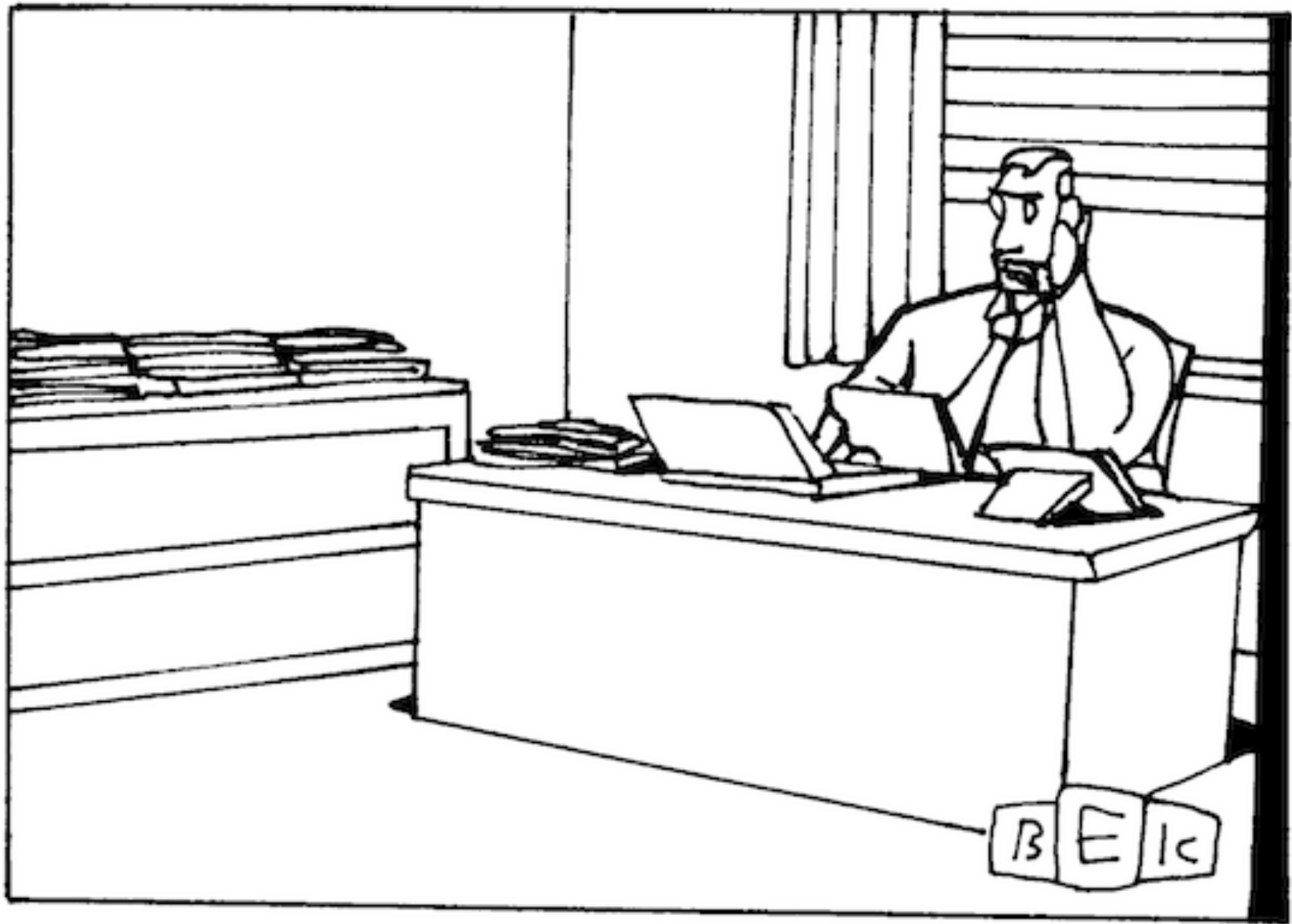
[Wien | 13A stuck in traffic](#) 13A  
in mariahilfestrasse 60, Wien  
by [Andrew Butler Nash](#) about 1 hour ago
- 

0

[Wien | Tram 49 comes in bunches](#) 49  
in Westbahnstrasse, Wien  
by [Andrew Butler Nash](#) about 1 hour ago

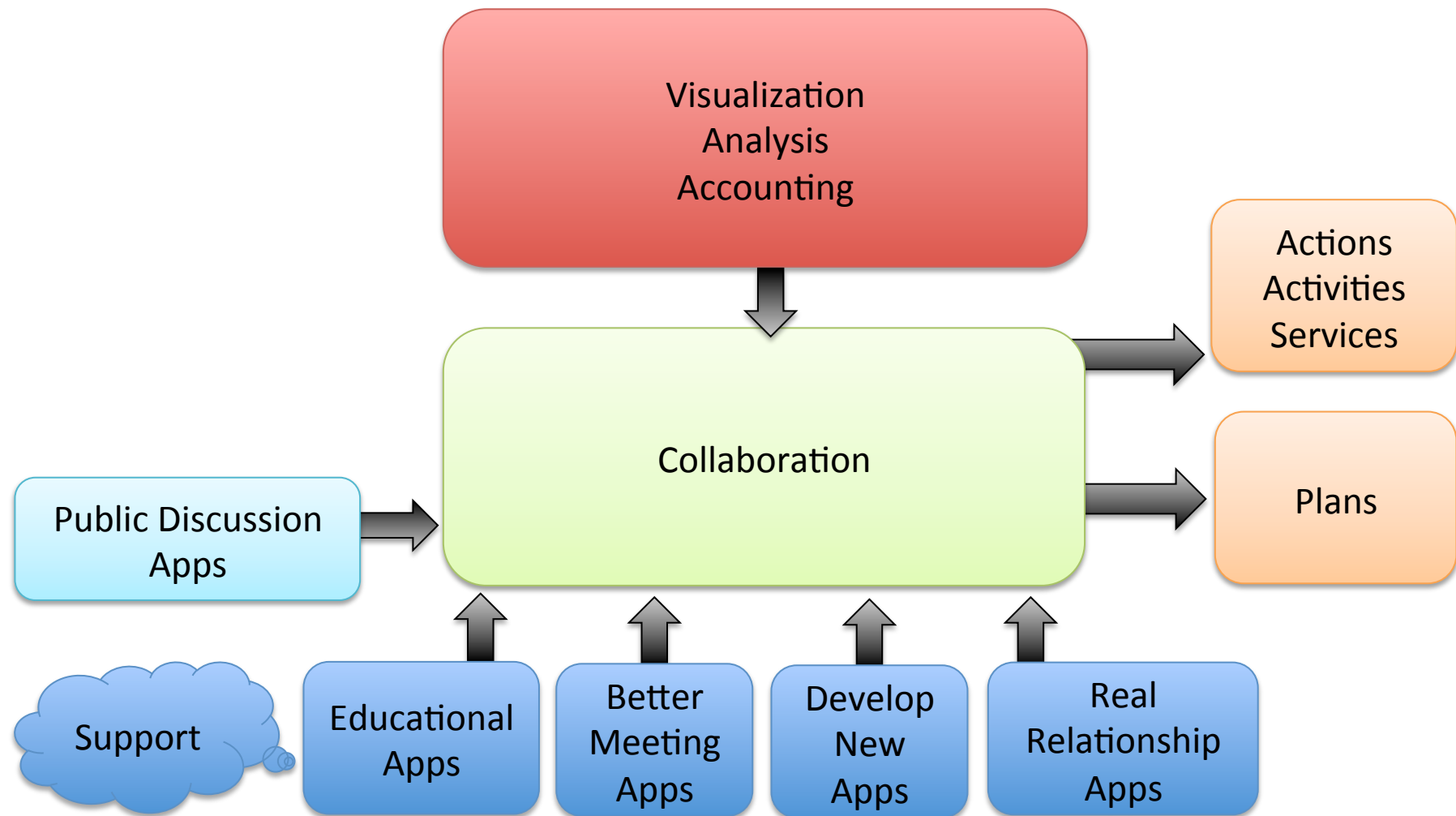


**GreenCityStreets ... Facebook-based collaboration app**



**“Why is everyone’s valuable input so stupid?”**

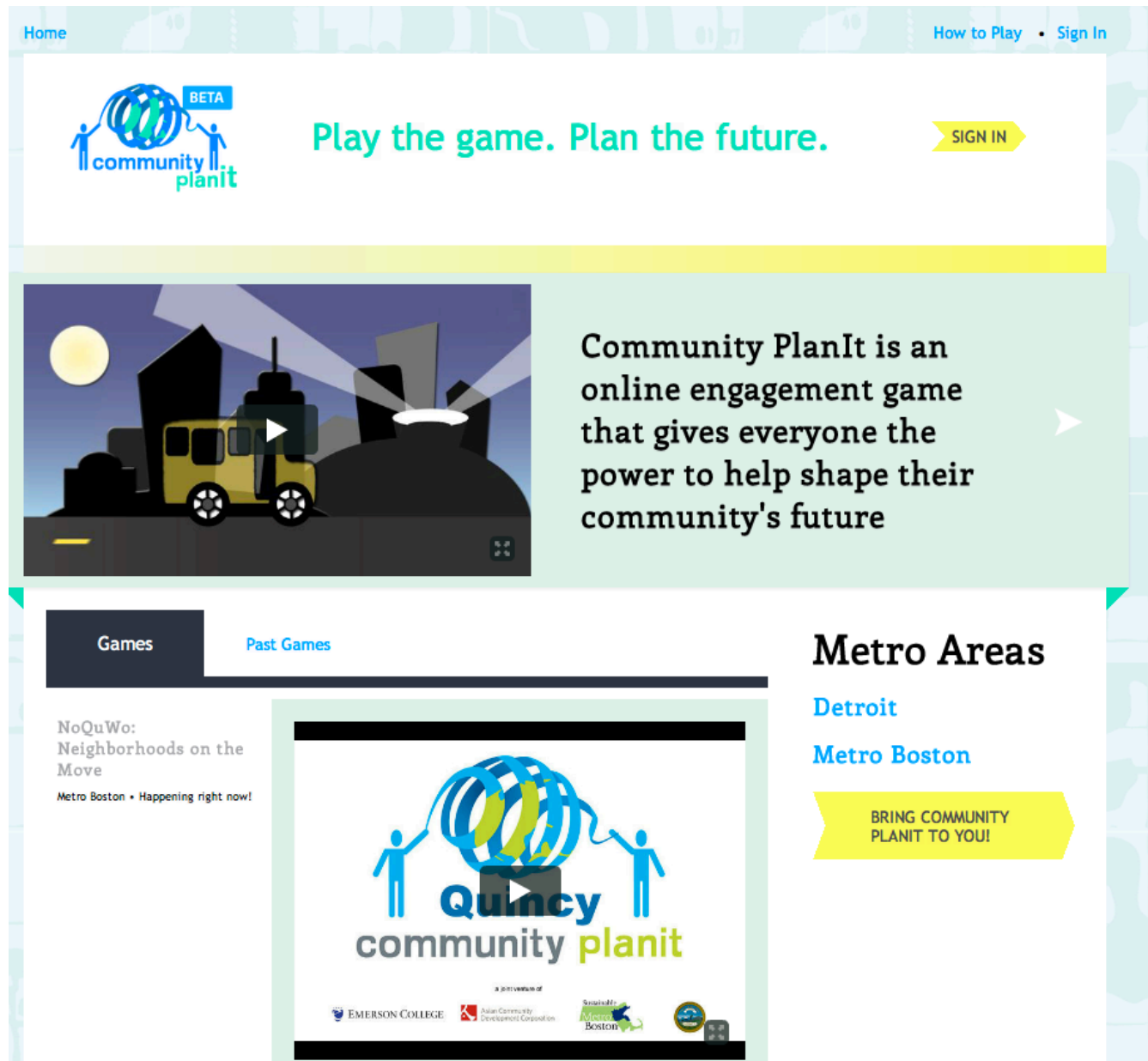
# Support Applications



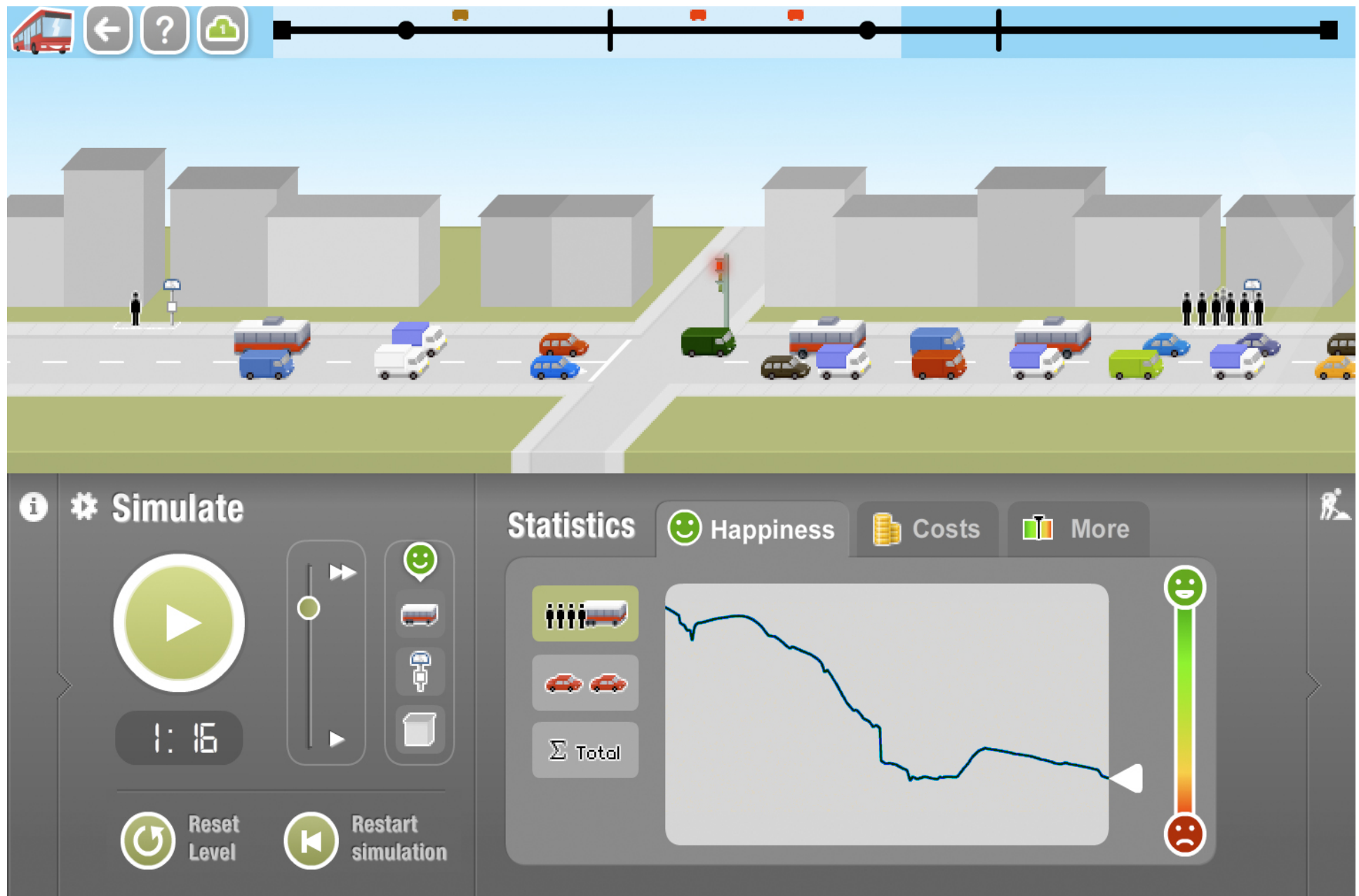
# **Educational Applications (Support)**

- 1. Educational games**
- 2. Budgeting games**
- 3. Visualization tools**
- 4. Wikis**
- 5. Design libraries**

***Help improve the collaboration process.***



**Community PlanIT ... game based engagement app**



**BusMeister ... a learning game about public transport.**



# Participatory Chinatown Boston

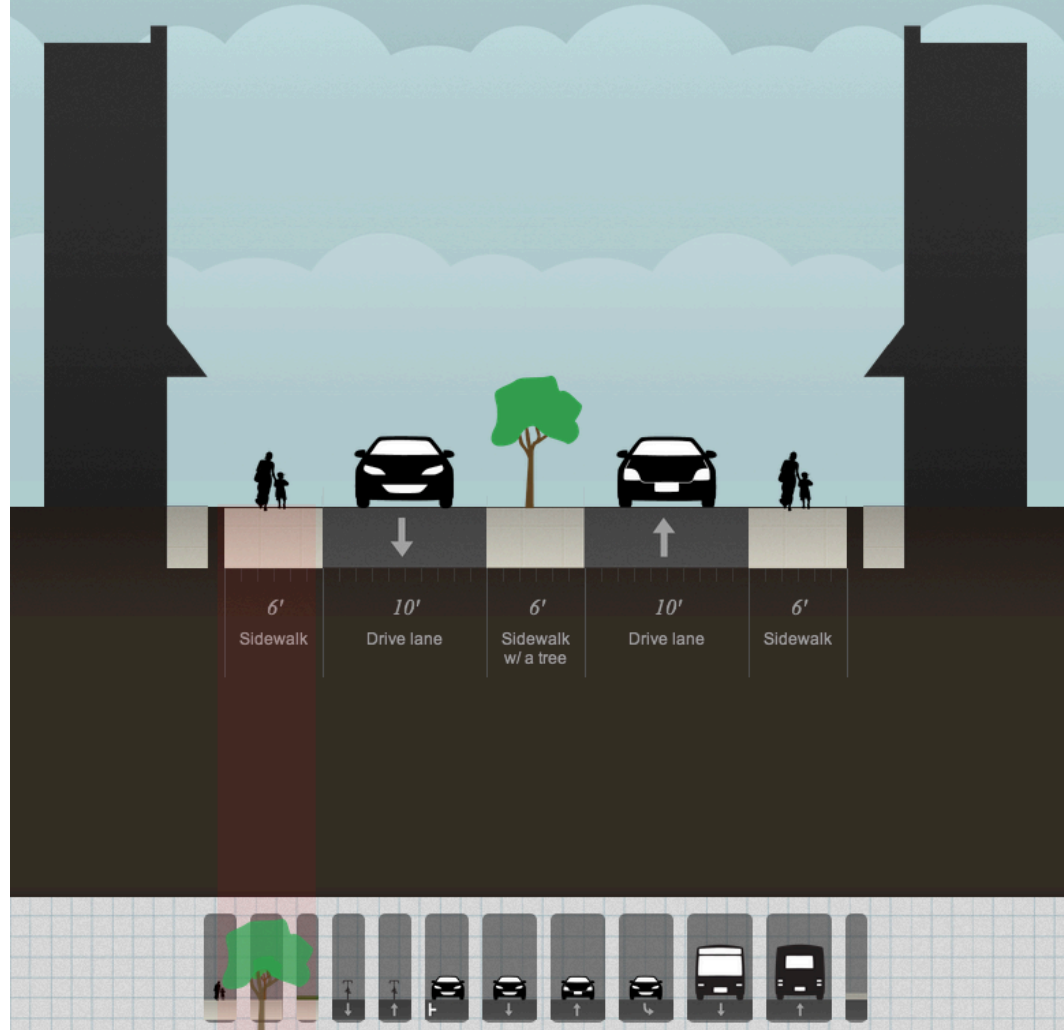




# STREETMIX<sup>alpha</sup>

AN ONGOING EXPERIMENT BY CODE FOR AMERICA LABS

Street width: 40'







# Improve Public Transport

- Wiki Home
- Recent Changes
- Pages and Files
- Members
- Settings

*This wiki describes public transport priority: simple measures for improving public transport. Here are links to the main topics:*

- Improve Public Transport!
- Table of Contents
- Case Study Cities
- PT Priority FAQ
- PT Priority Best Practices
- Organizations
- Photos & Videos
- Bus Meister Game

*Please help improve the wiki by [adding information](#).*

edit navigation

 home
 

 Edit
  0
  1

## Improve Public Transport!



A traffic signal allows this Zurich tram to go ahead of private vehicles.  
(Source: Andrew Nash, 2002; click on photo for flickr group photos).

### 1. Introduction

This wiki presents recommendations for making public transport more attractive to customers and efficient to operate. Recommendations focus on relatively simple and inexpensive improvements that can be implemented quickly rather than more expensive and complicated measures like building new rail-based systems (we leave these improvements to other web pages).

### 2. Recommendations

To improve public transport in your city:

- Speed-up the vehicle boarding process. How?**
  - Use proof-of-payment fare collection;
  - Use low floor vehicles;
  - Improve vehicle design;
- Optimize station placement. How?**
  - Reduce the number of stations/stops;

#### Table of Contents

- [1. Introduction](#)
- [2. Recommendations](#)
- [3. More Information](#)
- [4. Please Help](#)
- [About the Project](#)

**Improve Public Transport wiki ...  
... crowd-sourced information about public transport.**

# **Additional Support Applications**

- 1. Encourage involvement**
- 2. Design new applications**
- 3. Process and meeting support**

***Help improve the collaboration process.***



**Grr-Grr-Bike ...**

**... smartphone game: education + engagement**

## The big idea

We are gathering a giant team of transit riders to change the way people get around cities. We believe the city is our classroom and that together, we can create something better than any of us could imagine alone. Want to get involved?

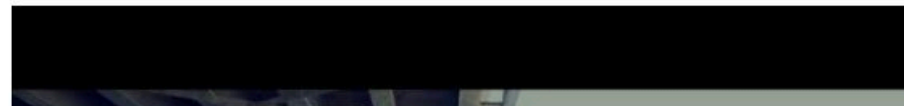
**learn  
more**

## Latest Stories on Urban Agent HQ



## What could this app do?

We are creating a new mobile app for navigating public transit. Rather than simply telling you which bus to take, our vision is to make your entire journey better. Here are just a few ideas for how it might work!



Name \*

First Name

Last Name

Email Address \*

**Submit**

**Designing Chicago ...  
... crowdsourcing public transport apps.**



**Plan-in-a-box ...  
... tools for creating interactive planning applications.**



This is a Simpl Challenge.



**Simpl Challenges are events with a goal to connect local councils and organisations with innovators and ideas.**

Each Simpl Challenge is based around a Question typically addressing a social issue. Local people, students, innovators and entrepreneurs submit ideas that aim to answer the Challenge question.

At the event the top ideas are tested, prototyped and kick-started quickly in a focused and exciting environment filled with people from design, tech, social, and relevant backgrounds - giving ideas the direction they need to develop into something real.

Challenges often award prizes to a winning idea - this can be money, resource-based support, or ideally, a mix of the two! We've found that resource-based support (things like business mentoring, user groups, access to certain facilities, etc...) can have a huge impact on the early development of a project over strictly a lump sum of funds.

These are ideas.



Kickstarter is changing how millions of people around the world connect with **music**.

With the help of his 961 backers, Jack published his first novel.

“Paradigm-shifting”

— CNN

“Pioneering”

— New York Times

“Kickstarter funds the future”

— Rolling Stone

## What is Kickstarter?

Kickstarter is a new way to fund creative projects.

We're a home for everything from films, games, and music to art, design, and technology. Kickstarter is full of projects, big and small, that are brought to life through the direct support of people like you. Since our launch in 2009, more than **4 million** people have pledged over **\$600 million**, funding more than **41,000** creative projects. Thousands of creative projects are raising funds on Kickstarter right now.

**GOOD  
QUESTION!**

# Outputs

## **1. Information – Status Updates**

## **2. Real Activities and Actions**

- Clean-up days
- P2P ridesharing – Sharing
- Crowd funding – Kickstarter (?)
- Casserole – shared meals and socializing

## **3. Plans**



**Finally ...**

***If you don't do it ... someone else will!***

## **6. Questions**

# Interactive City Tools

*- a structure for understanding*



**Andrew Nash**

**[andy@andynash.com](mailto:andy@andynash.com)**

**[www.andynash.com](http://www.andynash.com)**

**+43 676 933-0483**

**Vienna, Austria**

## References

- Nash, Andrew; A Proposed Structure for Understanding Interactive City Tools; Paper prepared for TU Delft Conference: Using ICT, Social Media and Mobile Technologies to Foster Self-Organisation in Urban and Neighbourhood Governance; May 2, 2013; paper and presentation: <http://andynash.com/publications/>
- Links and updated information on Interactive City Tools on the wiki: <http://interactive-city-planning-tools.wikispaces.com/home>
- “Interactive City Tool” name from Play the City project Majority Report <http://www.playthecity.nl/12460/en/seven-keys-to-make-an-interactive-city-tool>
- “Social era” from Nilofer Merchant; 11 Rules for Creating Value in the #SocialEra, Harvard Business Review Press (September 12, 2012).
- Trafficcom traffic counter: <http://trafficcom.org>
- Air Quality Egg: <http://airqualityegg.com>
- Cosm sensor data sharing platform <https://cosm.com/>

## References - 2

- CycleTracks GPS data collection system for bicycling: <http://www.sfcta.org/modeling-and-travel-forecasting/cycletracks-iphone-and-android>
- Moovit public transport GPS reporting app: [www.moovitapp.com](http://www.moovitapp.com)
- StreetBump <http://www.cityofboston.gov/DoIT/apps/streetbump.asp>
- SeeClickFix <http://seeclickfix.org>
- MindMixer [www.mindmixer.com](http://www.mindmixer.com)
- GreenCityStreets.com [www.greencitystreets.com](http://www.greencitystreets.com)
- Shareabouts <http://shareabouts.org>
- Participatory Chinatown <http://www.participatorychinatown.org/>
- Streetmix.net <http://streetmix.net>
- City Planning in a Box <http://openplans.org/2013/04/plan-in-a-box/>
- DesigningChicago <http://designingchicago.com/>
- Simpl Challenge <http://www.simpl.co/howitworks>
- CodeforAmerica (CfA) <http://codeforamerica.org/>