

# Open311 Webinar





### **Open311**















### OpenBlock









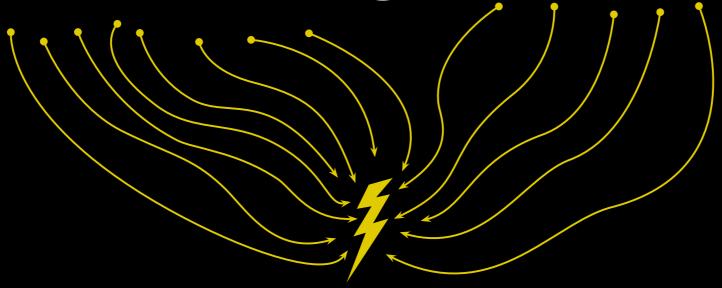
**PlanningPress** 

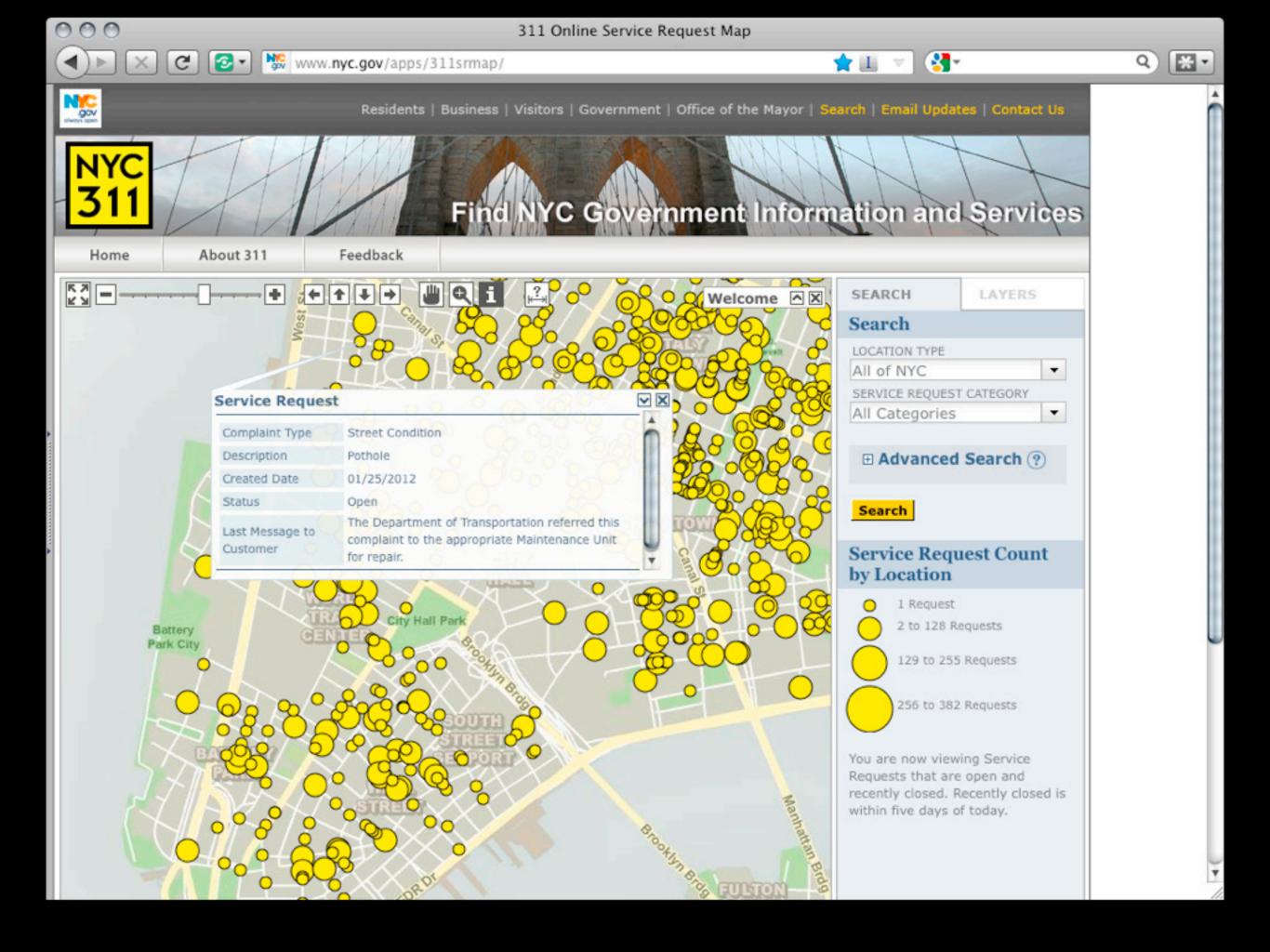
# Open311

An open communication standard for public services & local government



## 911 for Emergency Action 311 for Emergent Action





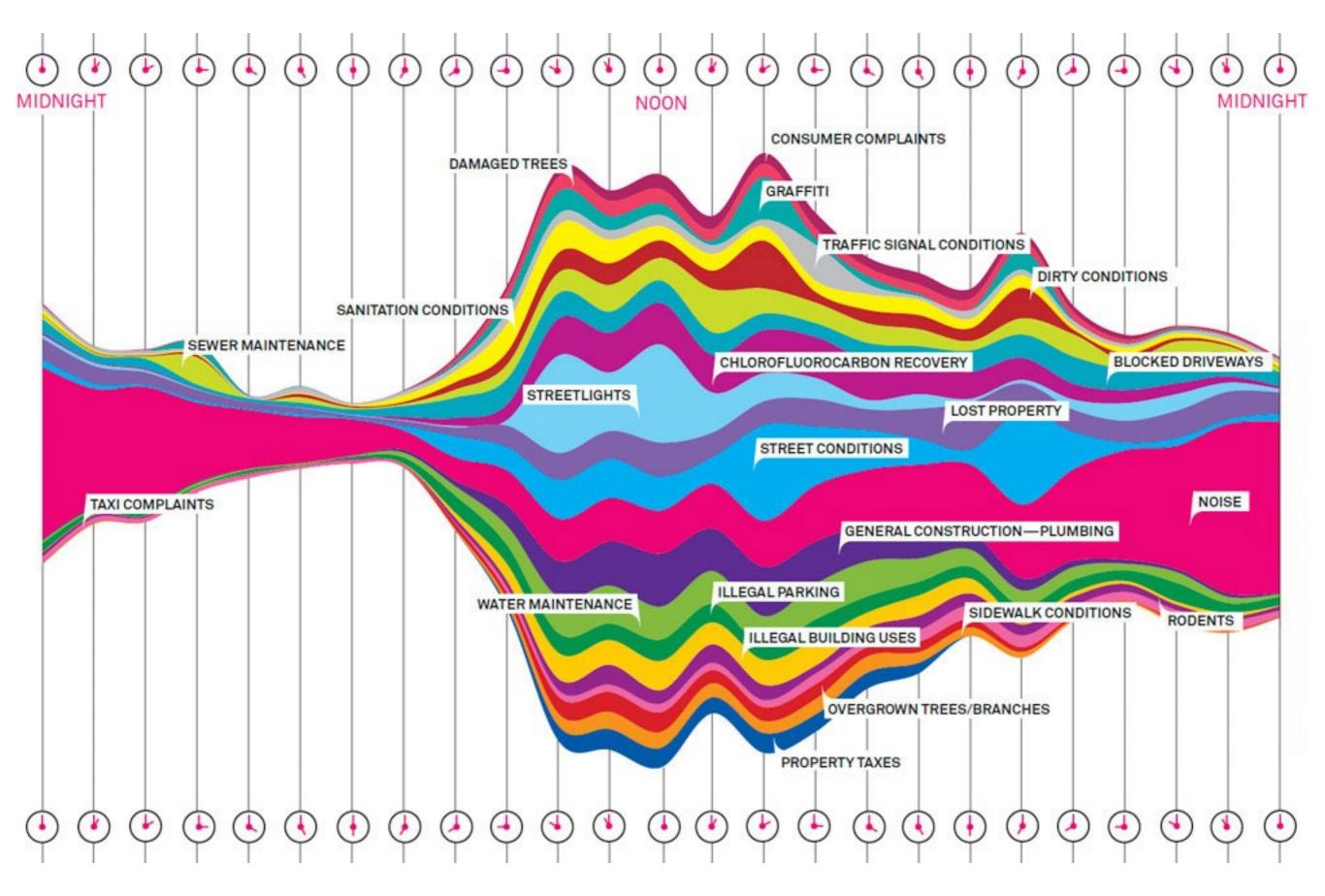
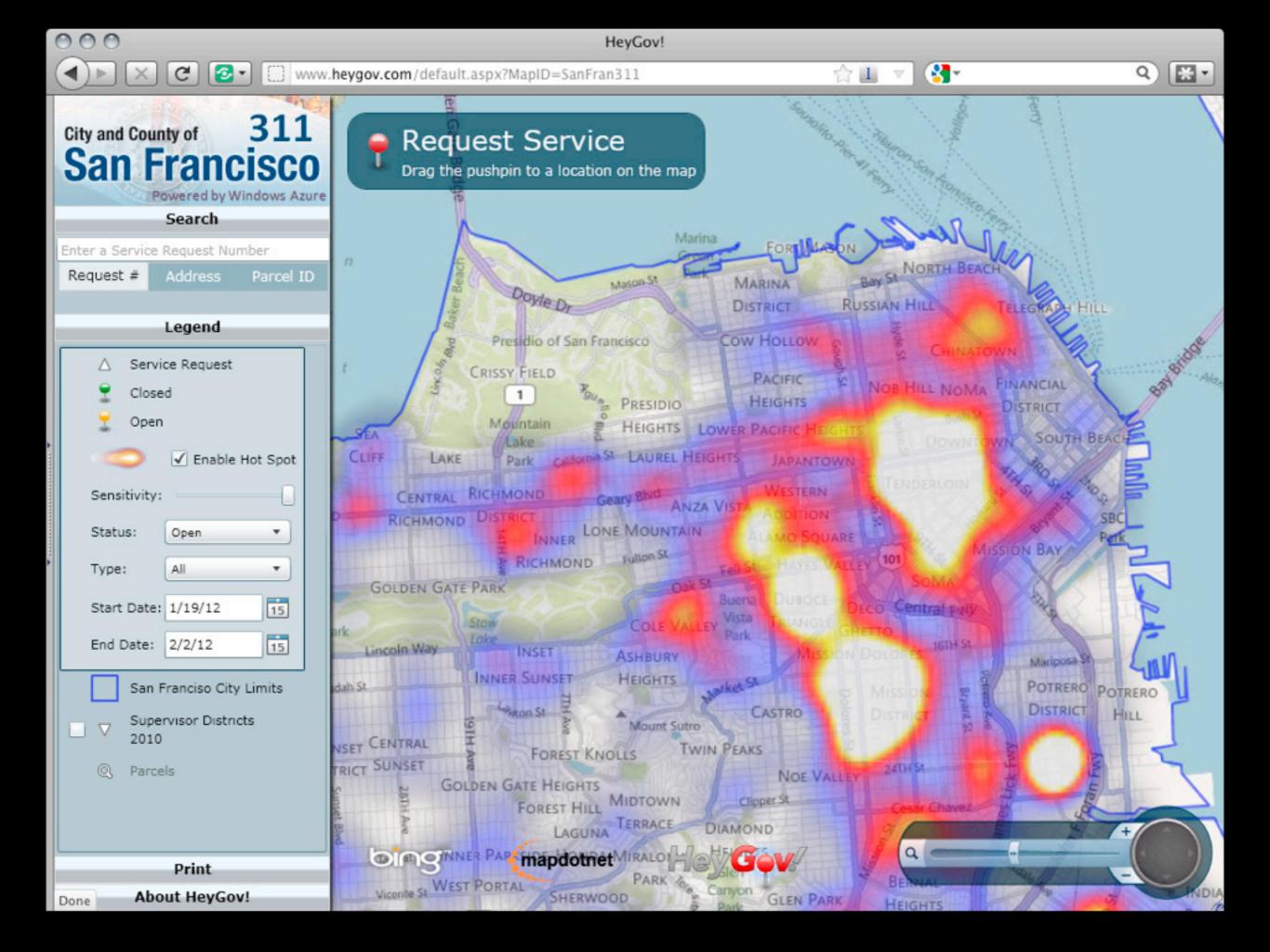


Illustration: Pitch Interactive

Appeared in "What a Hundred Million Calls to 311 Reveal About New York" by Steven Johnson in Wired Magazine



### Wedding Open Source to Government Service Delivery

http://eaves.ca/2009/02/25/wedding-open-source-to-government-service-delivery/



# The Civic Long Tail

### Public bug trackers for real world problems







Timeline

Roadmap

Wiki

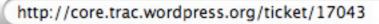
















Q



Login Preferences Help/Guide About Trac

Browse Source View Tickets Search

← Previous Ticket | Back to Query | Next Ticket →

#### Ticket #17043 (reviewing defect (bug))

Reported by:	ptahdunbar	Owned by:	
Priority:	normal	Milestone:	Awaiting Review
Component:	Administration	Version:	3.1
Severity:	trivial	Keywords:	has-patch commit
Cc:			
escription			

#### **▼** Attachments

- ticket.17043.diff ½ (320 bytes) added by ptahdunbar 3 months ago.
- Screen shot 2011-04-04 at 9.15.41 AM.png 🗠 (12.0 KB) added by ptahdunbar 3 months ago.



000















PREFERENCES REGISTER Q

GeoTrac

VIEW ALL **ISSUES**  **CREATE WATCH REPORTS** 

WHAT THIS IS **ABOUT** 

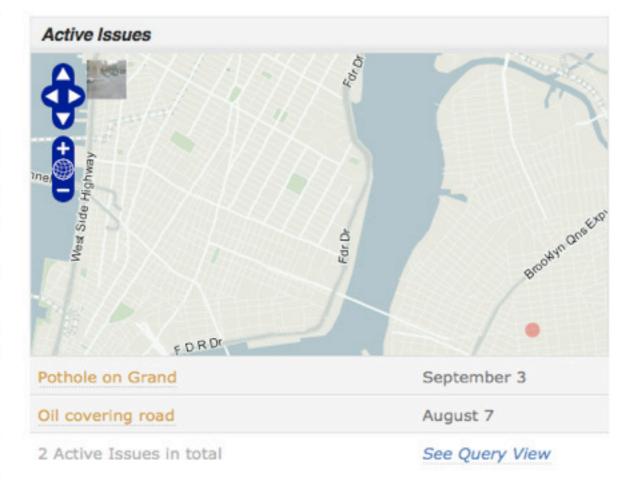
**SEARCH** 

Report an Issue

### Spatial Issue Management New Issues



muretto parzialmente crollato	March 30
This is the new office	October 14
Large pothole	September 29
Dead Rat	September 29
Large pot hole on North River Road	September 25
Test bar	September 22
32 New Issues in total	See Query View



# Some Recent History









Your reports

All reports

Local alerts Help

mys::ciety DONATE OUR SITES



#### Potholes and Water

Reported in the Potholes category by Andy GRiffiths at 17:42 today

Sent to Stirling Council 2 minutes later

There are several potholes at the junction of Milndavie road and Old Mugdock road on the east side of the junction.

There is also water ponding across the road from the field which in cold weather freezes and is a serious hazard;

Offensive? Unsuitable? Tell us

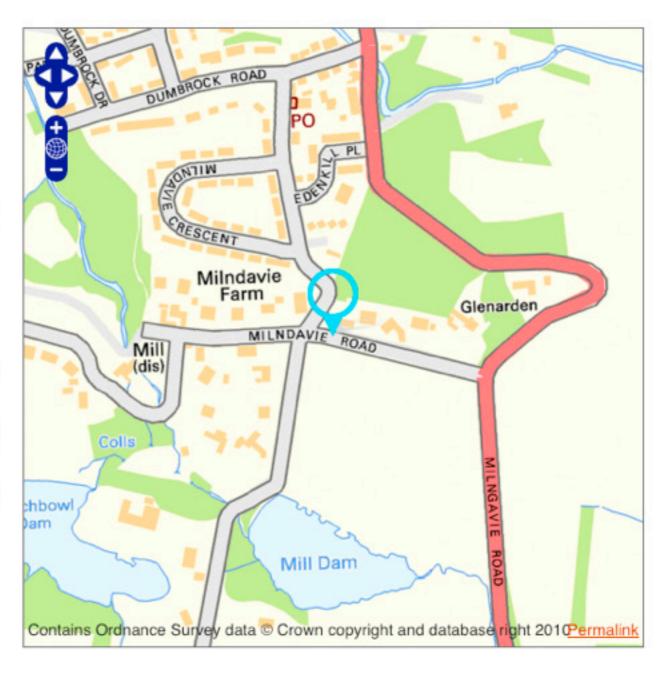
More problems nearby

Email me updates

#### Provide an update

Please note that updates are not sent to the council. If you leave your name it will be public. Your information will only be used in accordance with our privacy policy

Update:















Citizens | Sov | Sov | Media







#### **New Haven**

#### **Downtown**

follow New Haven

change city follow Downtown generate widget

Downtown

Report an Issue

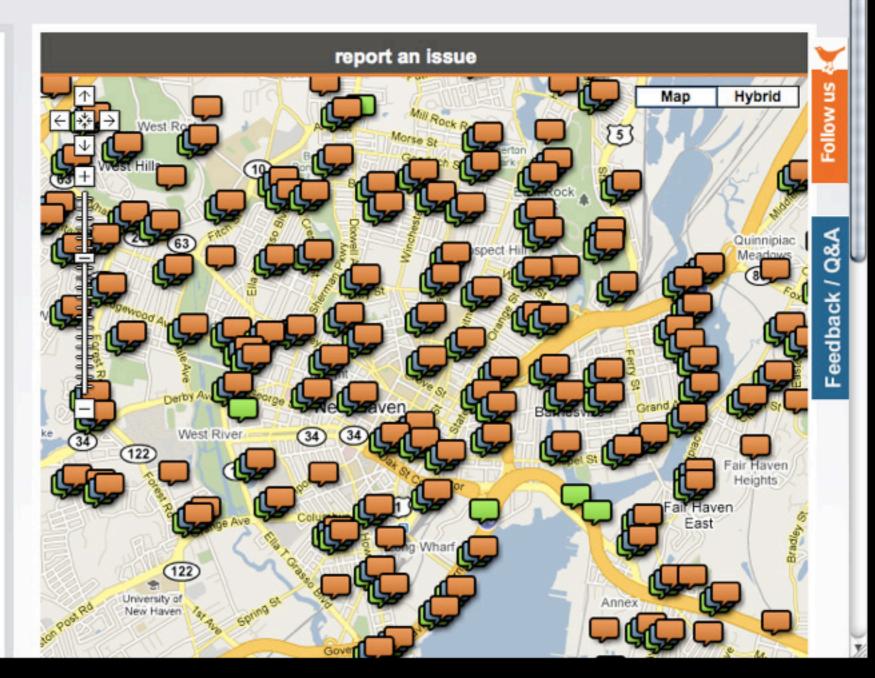
who's watching

activity map

find an issue

#### Activity | Issues

- Today Comment added to Huge Pothole
- Comment added to people's laundromat
- Issue created people's laundromat driver ...
- Comment added to Dangerous driving on Edwards
- Comment added to Illegal Rooster
- Comment added to Dangerous driving on Edwards
- Another person wants Unite Our Fire Departments fixed.
- Another person wants street signs fixed.
- Another person wants Bring back a full-service s... fixed.
- comment added to In road pedestrian signs
- Comment added to Bring back a full-service
- Comment added to Bring back a full-service
- Another person wants Huge Pothole fixed.
- Comment added to Huge Pothole
- Comment added to Pot holes
- Comment added to Pothole
- Comment added to Huge Pothole
- Comment added to Speeding Public Works



Un artículo de El País nos impulsó a hacer esto. En Madrid se realizan mas de 90 denuncias al día, sobre los socavones de la capital. Por desgracia estos datos no son públicos, y por eso queremos saber dónde y cuantos realmente hay... leer más sobre el proyecto



#### últimos baches reportados

+ reportar un bache

reportado 1 veces

Plaza del General...

S/N

reportado 1 veces

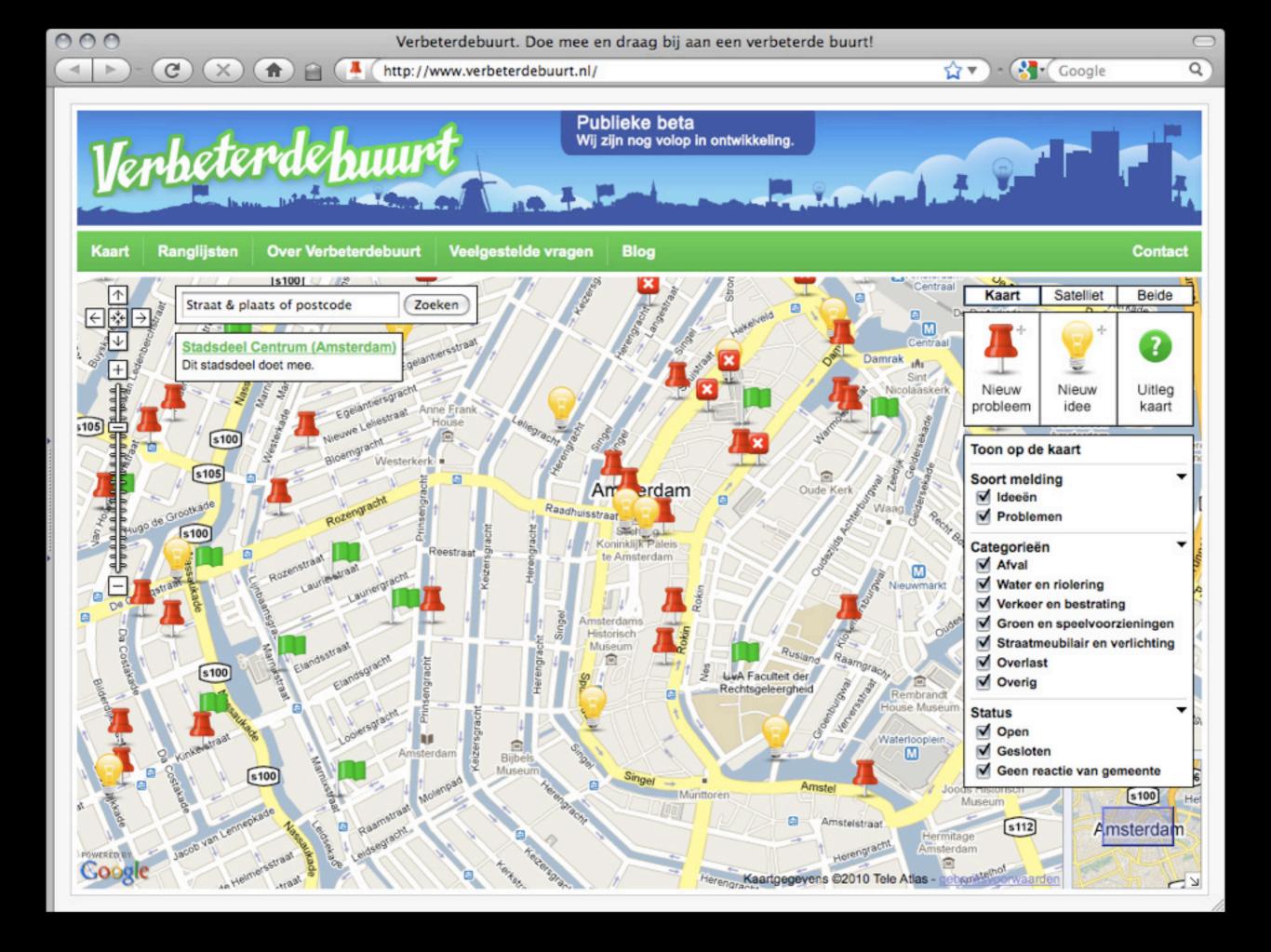
M-856

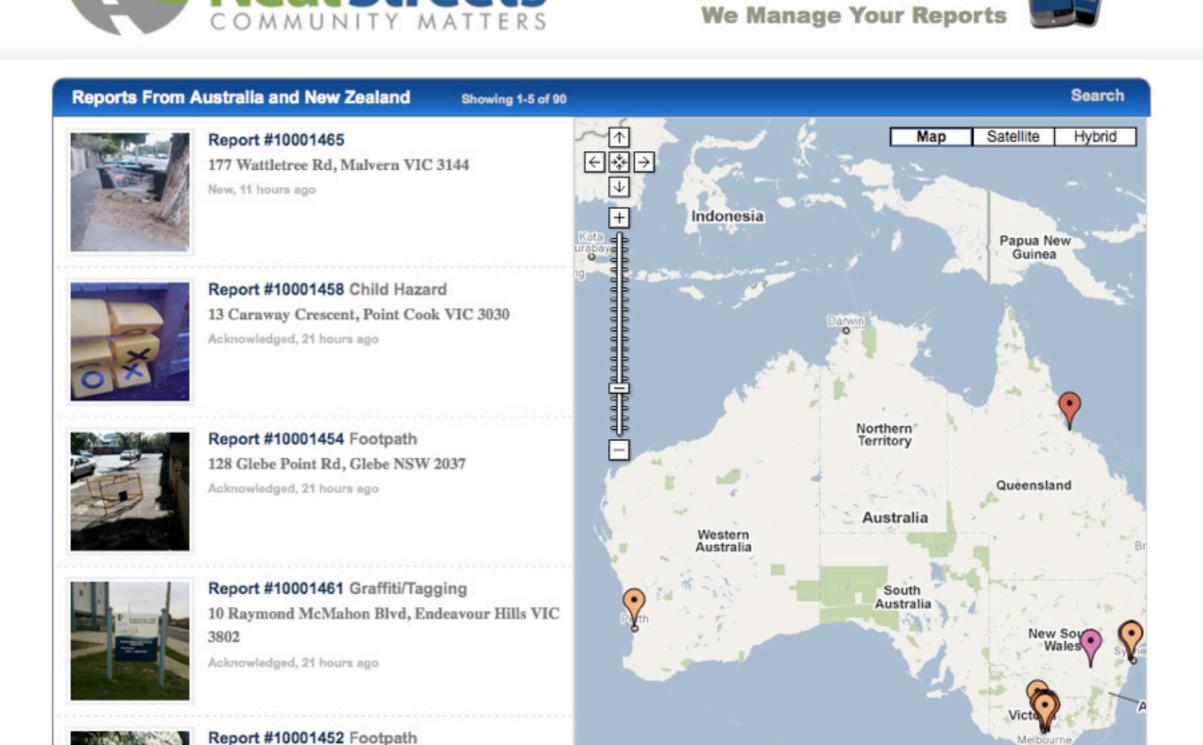
S/N

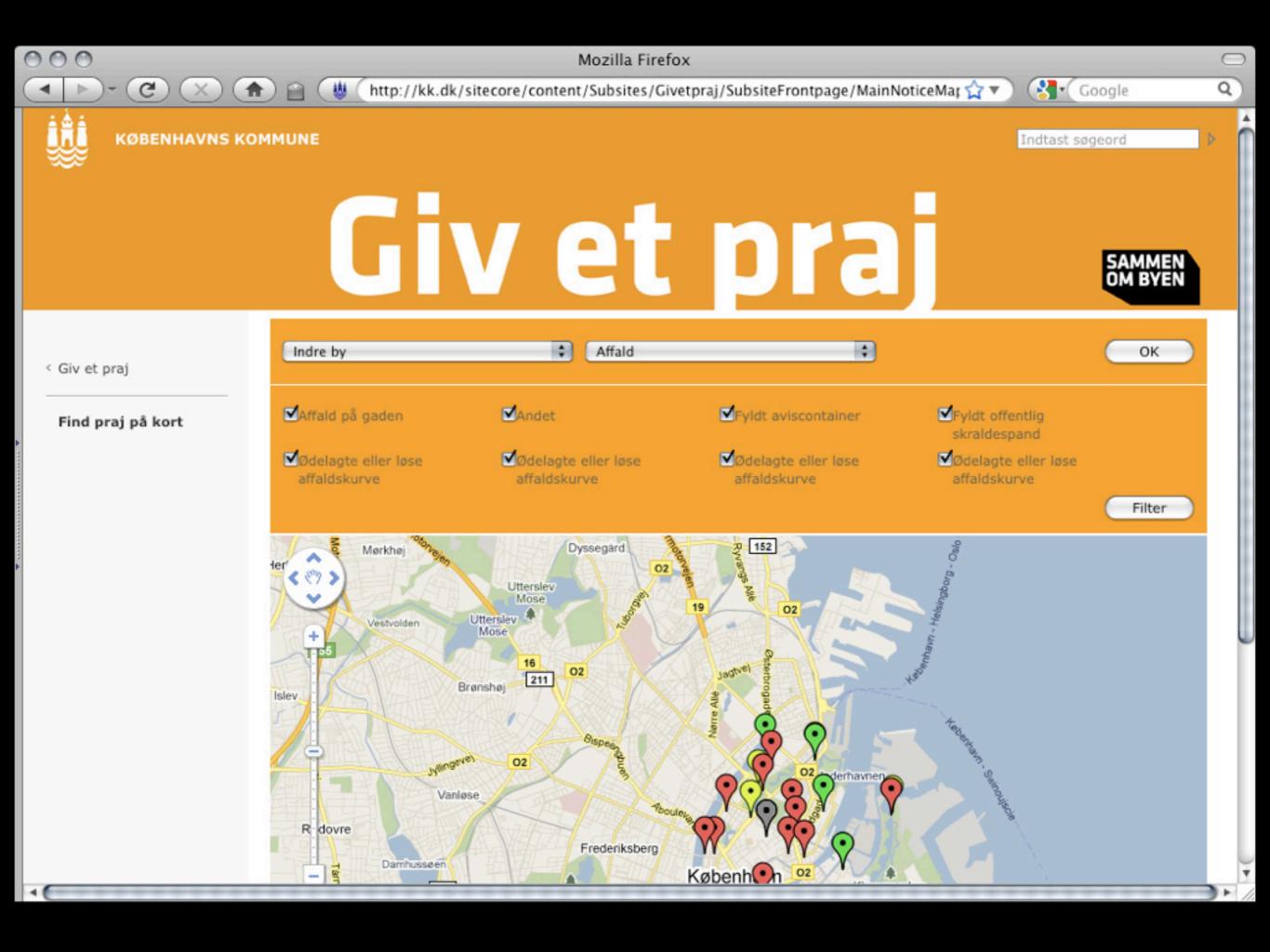
reportado 1 veces

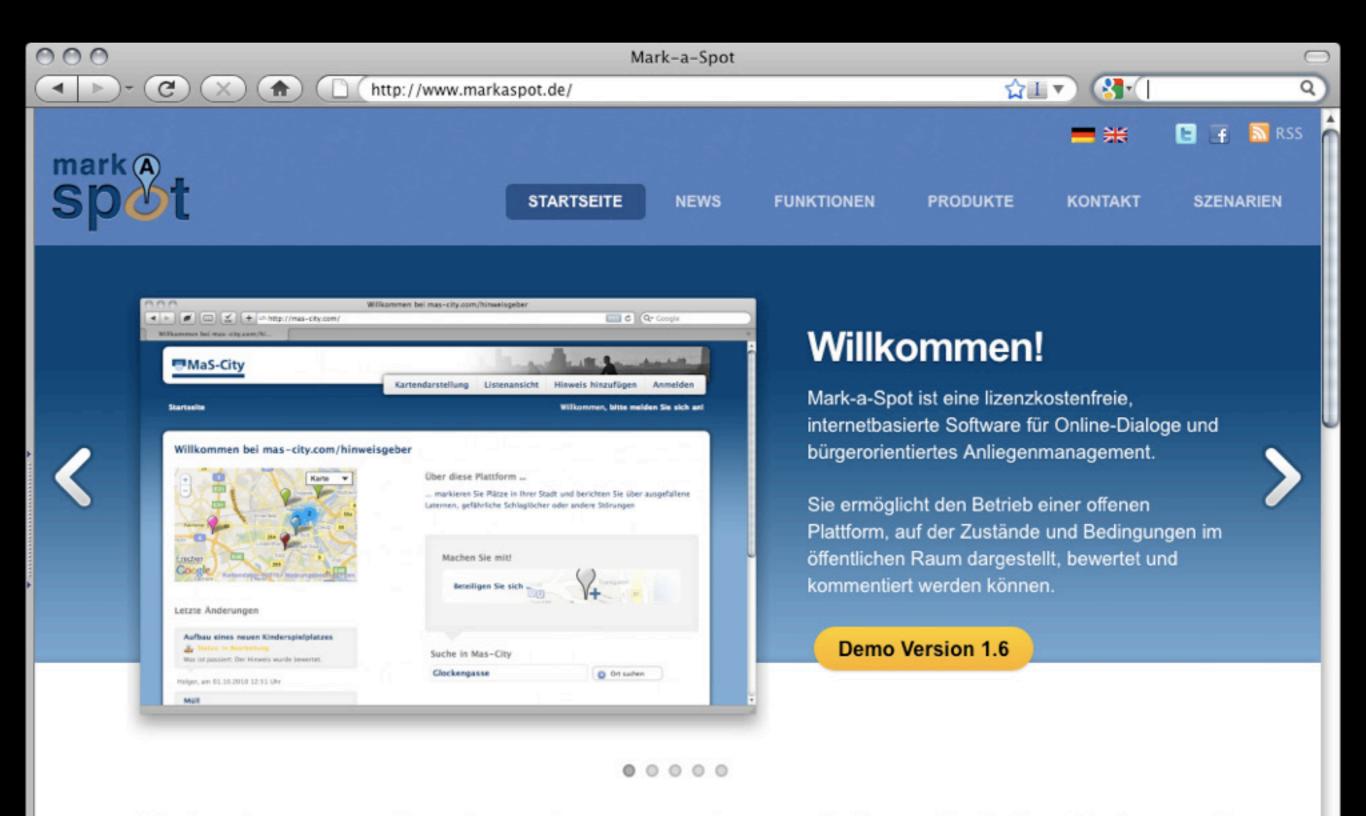
Carretera de Villaviciosa

S/N









Mark-a-Spot ist eine lizenzkostenfreie, internetbasierte Software für Online-Dialoge und bürgerorientiertes Anliegenmanagement.

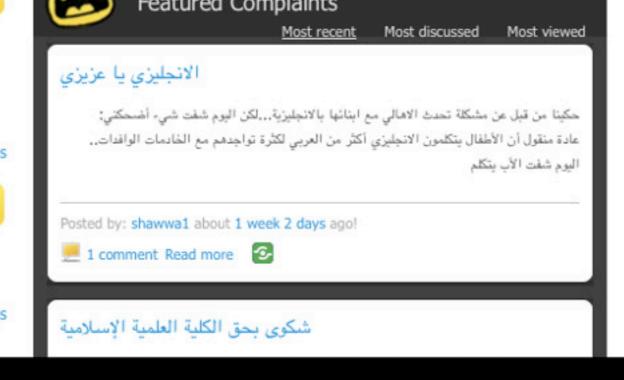


الحكومة الشعب المجتمع، الناس خارج الأردن رئيس الوزراء زيت الزيتون سائقين السيارات شرطة السير كل

more tags

#### TAG CLOUD

اسس ائيل جرب والعب حارة زبال حكومة Jordan حيانكم حياتي سواقة سيارة سير مخالفات ملا عمي more tags



- 12 hours ago
- مناهج المدارس Submitted by shawwa1 27 weeks 2 days ago
- زحمة شوارع دبي . Submitted by dpac\_312 1 year 8 weeks ago
- بدى اسافر واعمل فلوس •























**Enabling Effective Governance** 



#### TO REPORT AN ISSUE

call: 0512-302-6888

text: kiirti nnfi {message} to 56677

email: hitesh@omshom.com

#### FixOurCity Delhi

Report, View and Discuss Local Problems

HOME

REPORTS

**GET ALERTS** 

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**PARTNERS** 

**ABOUT US** 

SUBMIT A REPORT

Report Details: Not verified

#### Damaged Road in Dwarka

Credibility: 🛅 🗐 0



#### INCIDENT DESCRIPTION

There is a patch on the main road of Dwarka which is perpetually damaged because water tankers use that crossing. Apart from the weight and frequency of the tankers which fill up at the DDA pumping station, water gets spilled continuously from the tankers. As a result, the road at this crossing is permanently damaged. It has been repaired many times, including replacing tar with concrete. But each time the road breaks up within a few months of the repair. Given the shortage of water in Dwarka, the water tankers are an essential life line for residents in this sub-city. So it is imperative that roads be built to meet the local transportation demand. The problem is also quite acute on many of the service roads, where the load bearing capacity seems much lower than the main roads. Consequently the damage caused by water tankers are quite serious.

#### LOCATION

On Dwarka Main Road, at the intersection between Sector 5 and 7, just after the bridge at the end of Madhu Vihar.

#### DATE

Mar 18 2010

TIME

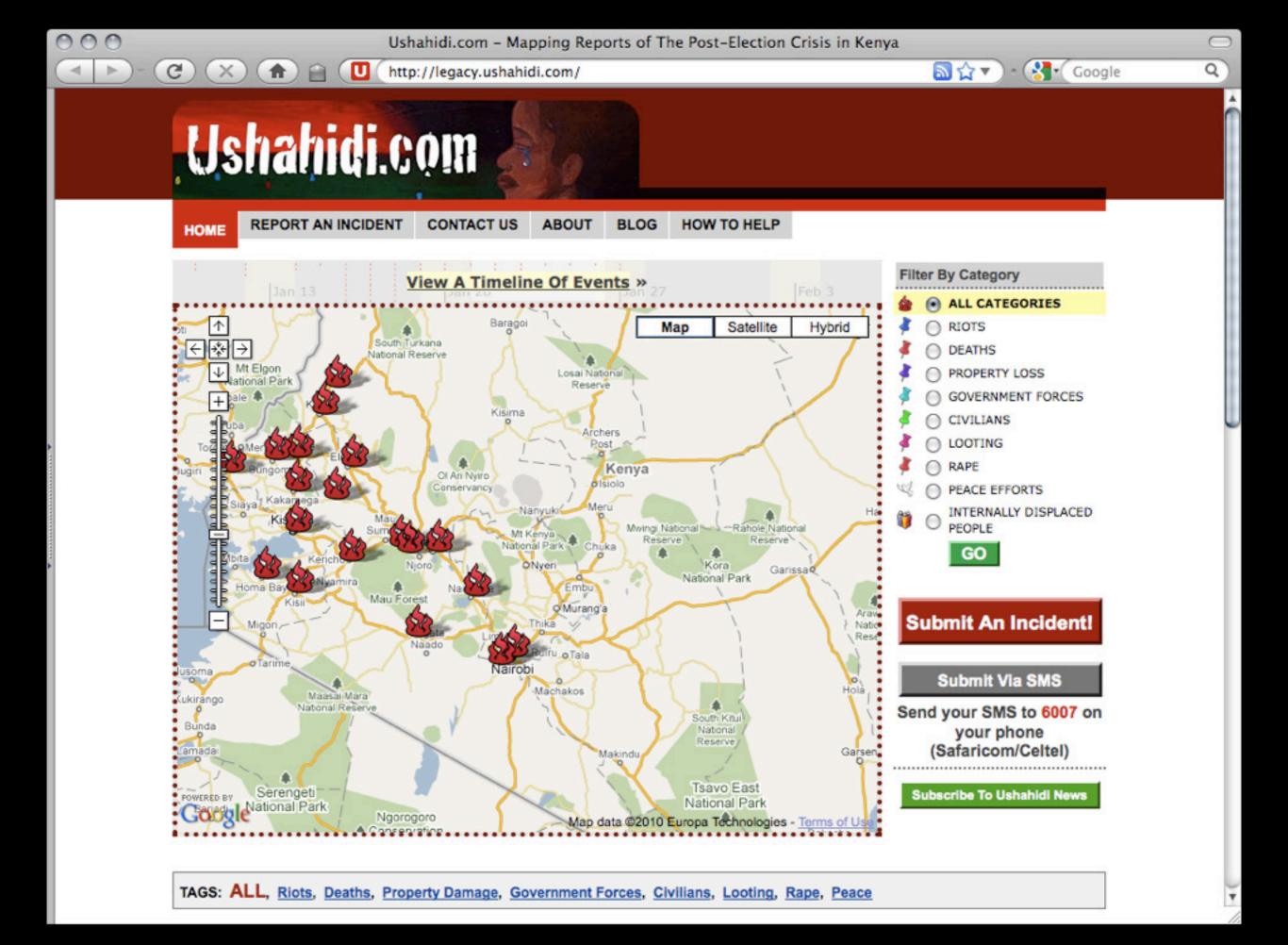
11:01

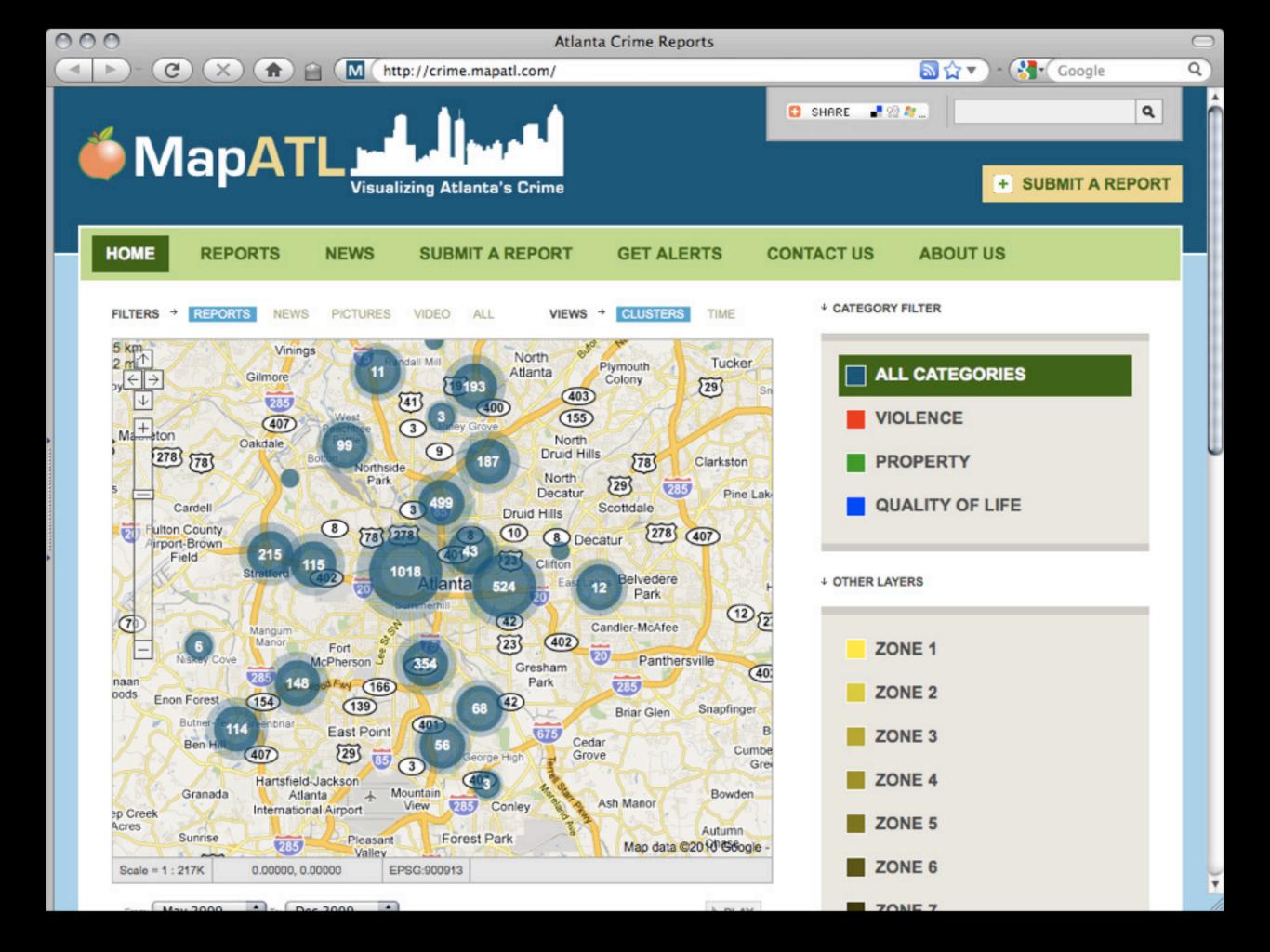
CATEGORY

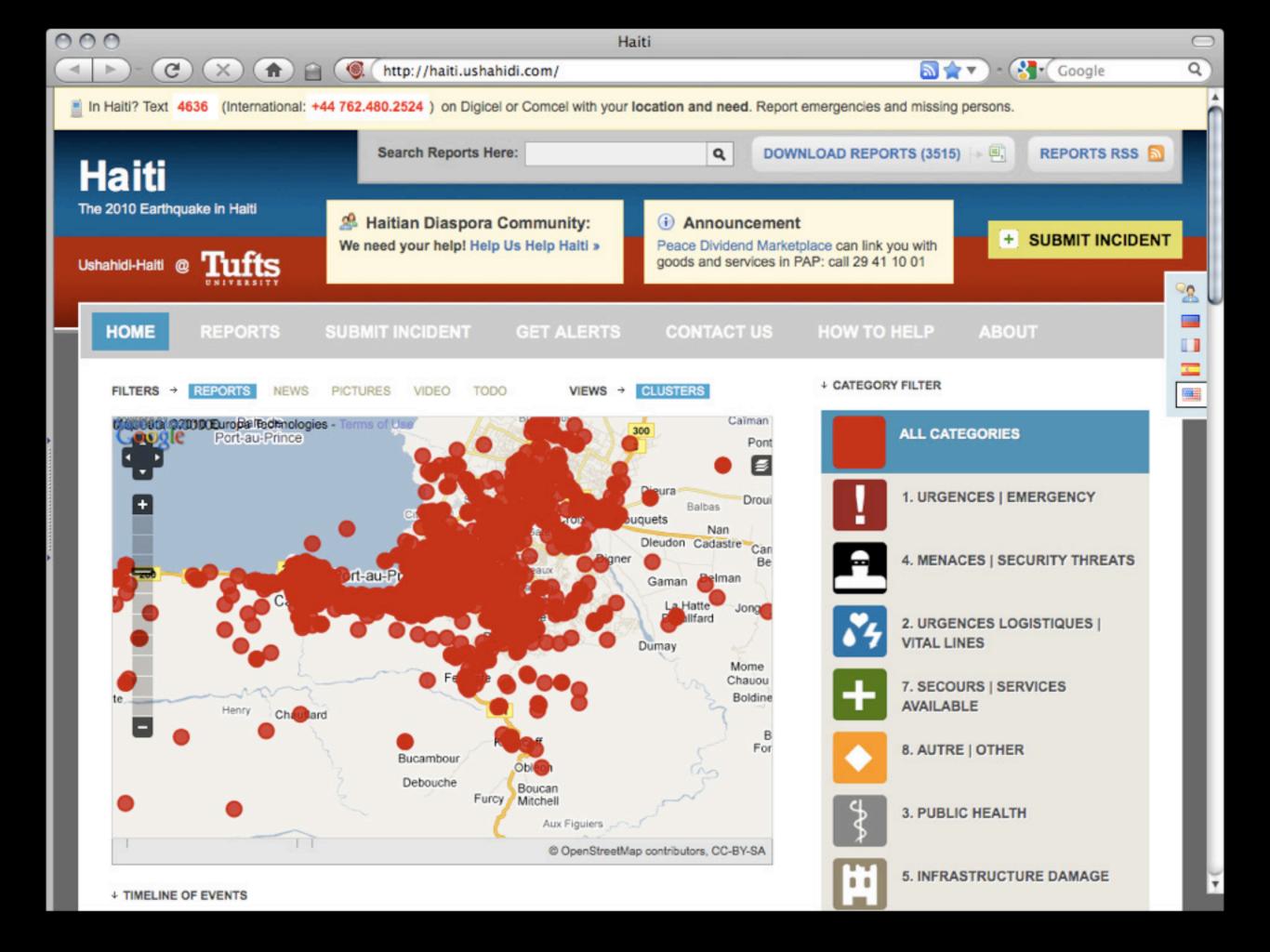
ROAD RELATED



NEARBY INCIDENT







# Reinventing the Wheel

Does every city need its own app?









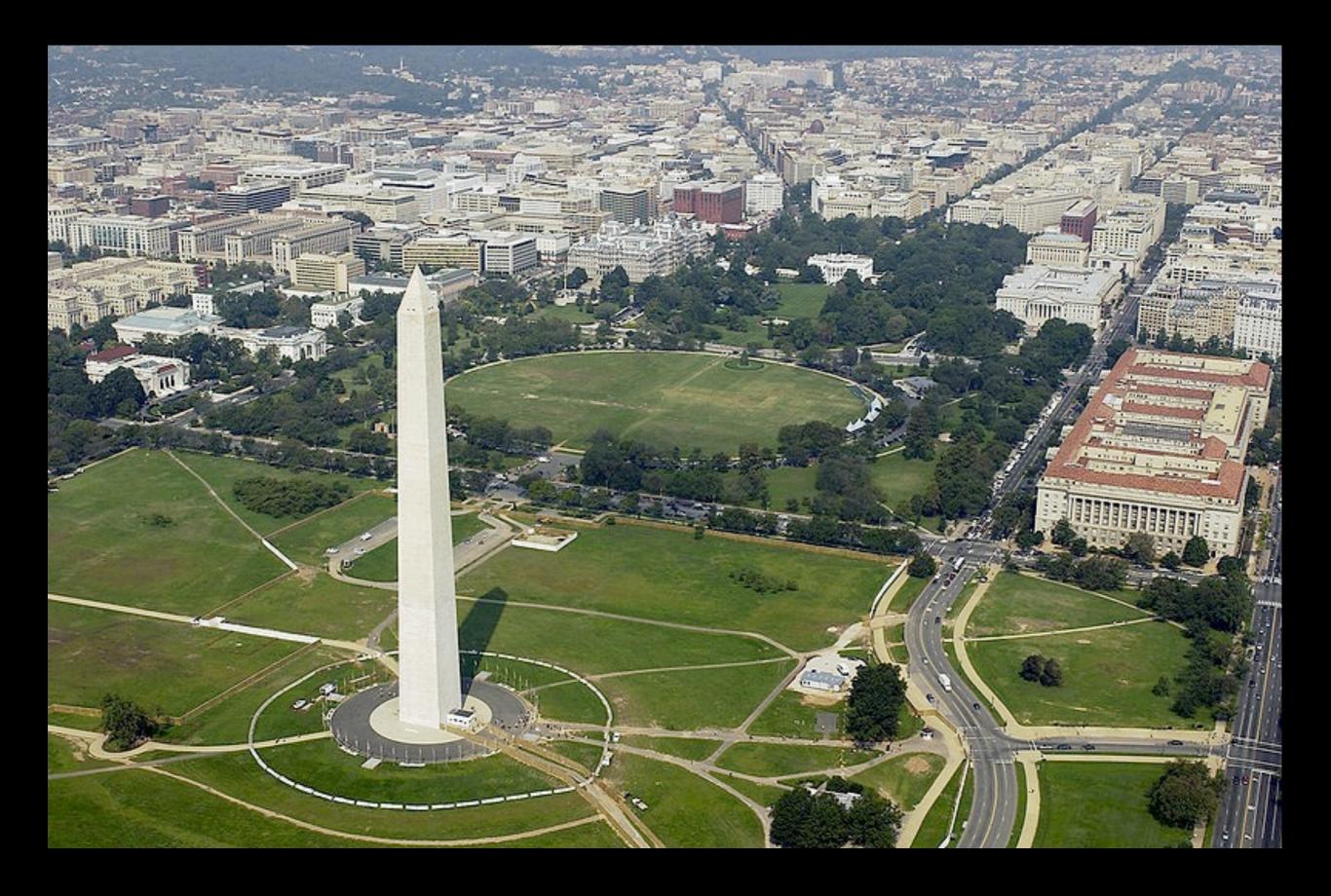
Boston

**NYC** 

**Portland** 

Pittsburgh





Wordle Cloud of Insights Submitted to Apps for Democracy Community Edition

Three short weeks ago, we announced Apps for Democracy "Community Edition" with the intention of using the month of May as an insights collection period that would inform our technology development period in June. We've been using online and offline methods to gather input from as many citizens as possible. Last Sunday was "Social Citizen Sunday"



Citizens" > http://twurl.nl/zmbotl #appso9 #tcamp2010



8:26am RT @theresac: Guide to setting up your own Apps for Democracy contest (wheels turning on how to make something like this work in COO) http://j.mp/db5Nit

6:04am Guide to setting up your own Apps for Democracy contest (wheels turning on

### Washington D.C. Open 311 API

Launches in Summer 2009

### Benefits of an Open Standard

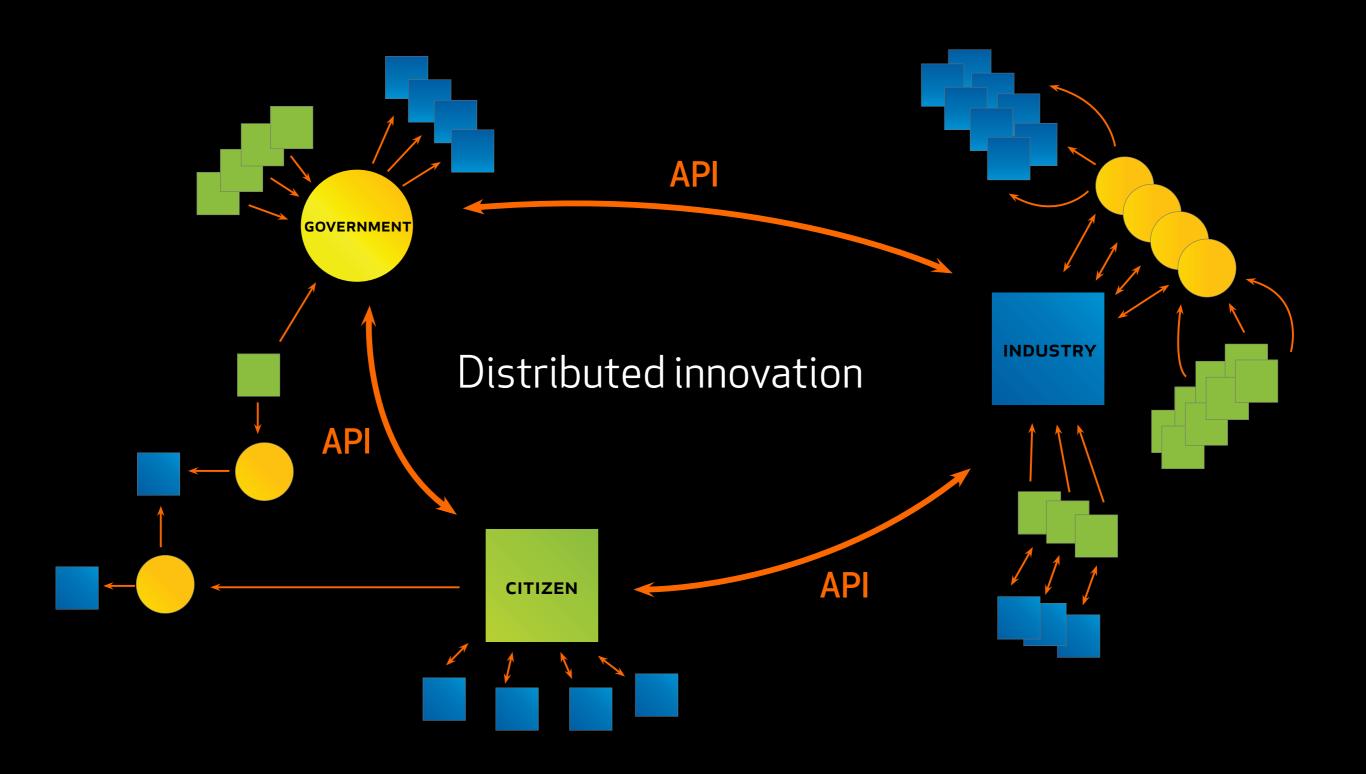
Interoperability

Shareability

Consistency

Ubiquity

Efficiency





http://open311.org/









Open311

**BLOG** 

DISCUSSION

**ABOUT** 

CONTACT

#### A COLLABORATIVE MODEL AND OPEN STANDARD FOR CIVIC ISSUE TRACKING



#### Learn More

Open311 provides open communication with public services and local government.



#### **Show Support**

Pledge support for the implementation of Open311 in your city or service.



#### Help Develop

Help us develop Open311 apps and refine the spec to ensure wider interoperability.

#### FROM THE BLOG



#### 311 Pioneering Baltimore Continues to Lead with Open311 BY PHILIP ASHLOCK

The new 311 Mobile App allows citizens to have real-time collaboration with their government.

Mayor Rawlings-Blake

BALTIMORE 3

The City of Baltimore has a long history of leading the way with 311. In 1996 they were the first city to

deploy the 311 short code and unified call center and in 1999 the city launched CitiStat pioneering the use of statistics based performance management. Now both of these innovations can be amplified by a much more open and collaborative relationship between Baltimoreans and their government through Open311.

This week Baltimore announced that they have deployed the Open311 API placing them among the select cities which have implemented the GeoReport v2 standard. The city also launched a mobile app to provide its citizens with a much richer and more engaging interaction with the 311 system and, by

#### OPEN311 GEOREPORT API

# Open311 GeoReport v2

View the GeoReport v2 API Specification

#### OPEN311 CITIES

The following are some of the cities which have implemented the GeoReport v2 standard:

San Francisco, California Washington D.C. Boston, Massachusetts Baltimore, Maryland









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Search

#### Open Government Initiative

TRANSPARENCY \* PARTICIPATION \* COLLABORATION

About Open Government

Open Gov Blog

Around the Government

**Innovations Gallery** 

Open 311

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Posted by Vivek Kundra on March 03, 2010 at 12:48 PM EDT

I'm on the road today, joining San Francisco Mayor Gavin Newsom and San Francisco CIO Chris Vein for an event to highlight San Francisco's Open 311 API (Application Programming Interface) initiative. This is a great approach that ties together efforts in San Francisco, Boston, the District of Columbia, Portland, and Los Angeles to open more services to citizens, and to use data to drive progress in people's lives. Too often, people grumble that their complaints about government - be it city, county, state, or federal - get swallowed by the bureaucracy. Open 311 is an answer to that problem, placing the role of service evaluator and service dispatcher in the power of citizens' hands. Through this approach, new web applications can mash publicly available, real-time data from the cities to allow people to track the status of repairs or improvements, while also allowing them to make new requests for services. For instance, I can use the same application to report a broken parking meter when I'm home in the District of Columbia or traveling to cities like Portland, Los Angeles, Boston, or San Francisco. This is the perfect example of how government is simplifying access to citizen services. Open 311 is an innovation that will improve people's lives and make better use of taxpayer dollars.

The event which will take place at the 311 Customer Service Center in San Francisco, California will be streamed live below starting at 2:30 p.m. EST/11:30 a.m. PST.

UPDATE: This event has concluded, but you can watch it in its entirety by clicking here.



WHITE HOUSE

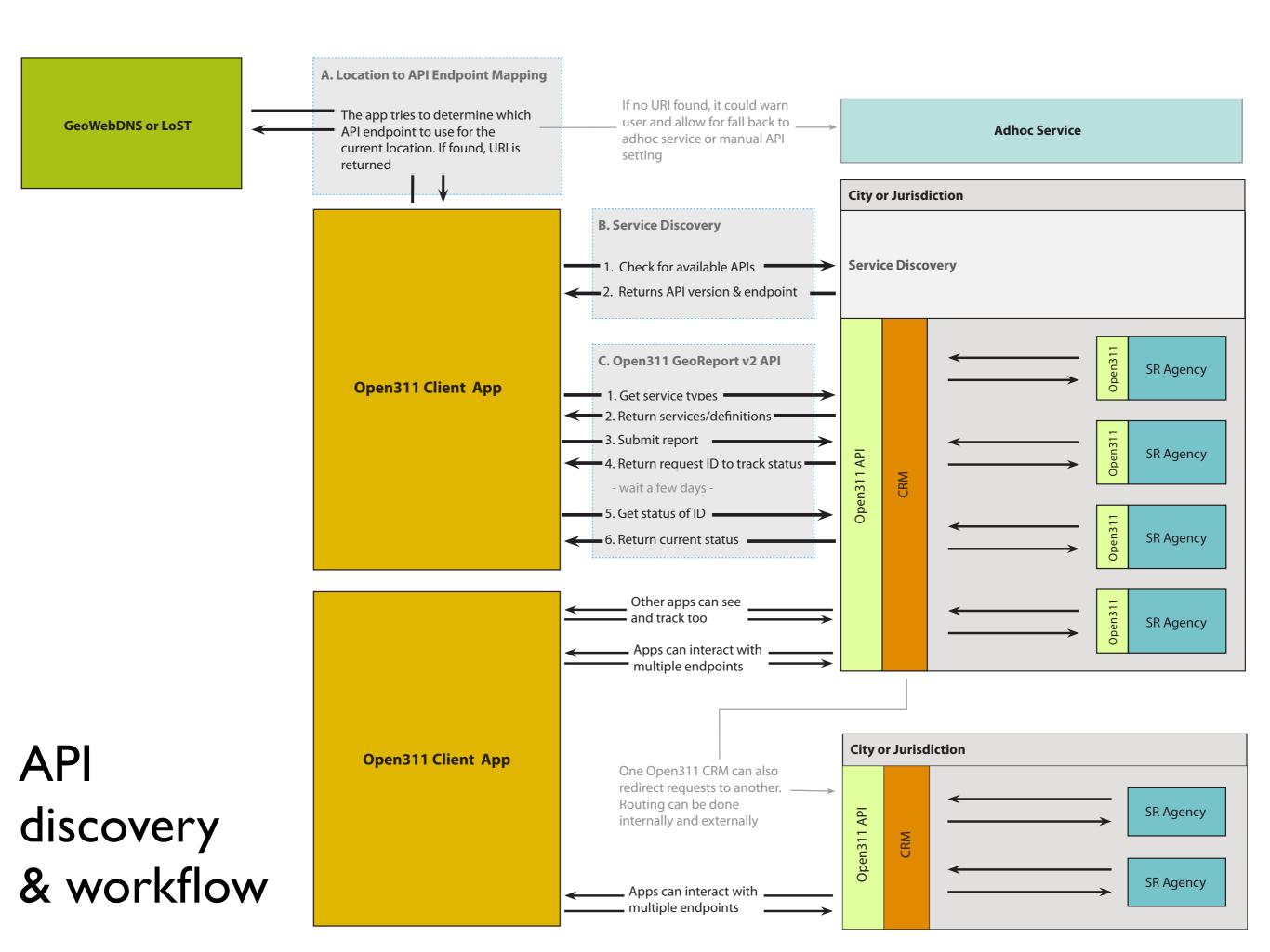
The White House Blog

Middle Class Task Force Blog

## Open311 GeoReport v2

Established March 2011





### Open311 GeoReport v2 Stats

- ~35 city endpoints
- ~10 independent implementations
- ~ 8 vendor supported products
- ~ 5 open source servers
- ~ 4 open source clients
- ~ 5 client libraries

### For details see:

http://wiki.open311.org/GeoReport\_v2/Servers http://wiki.open311.org/GeoReport\_v2/Support http://wiki.open311.org/GeoReport\_v2/Resources

















# Open 311 Open Source

wiki.open311.org/Open\_Source



### GeoReporter

### By City of Bloomington

Open iTunes to buy and download apps.



### Description

GeoReporter is an Open311 constituent reporting tool. GeoReporter should work for any organizations with an Open311 GeoReport v2 compliant endpoint server.

City of Bloomington Web Site ▶ GeoReporter Support ▶

...More

View More By This Developer

### View In iTunes

#### Free

Category: Business Released: Jan 23, 2012

Version: 1.0.2 Size: 1.2 MB

Language: English Seller: City of Bloomington,

Indiana

© 2011 City of Bloomington

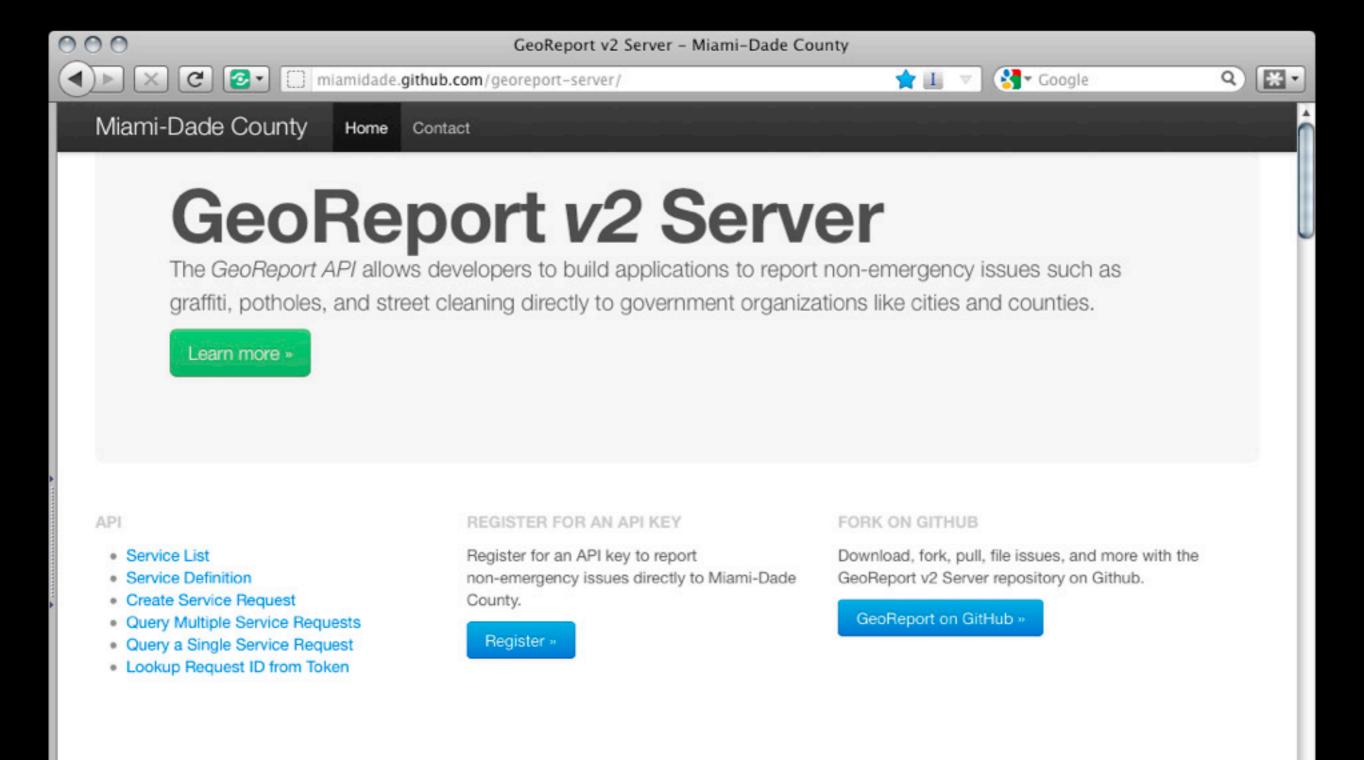
Rated 4+

### iPhone Screenshots





Bandan Camarilla with



### Service List Available service request types

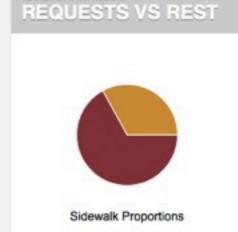
JSON, XML
HTTP Method
GET
API Key Required

#### Request

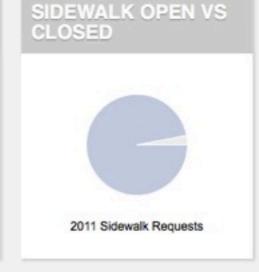
GET /services.json?jurisdiction\_id=miamidade.gov







SIDEWALK







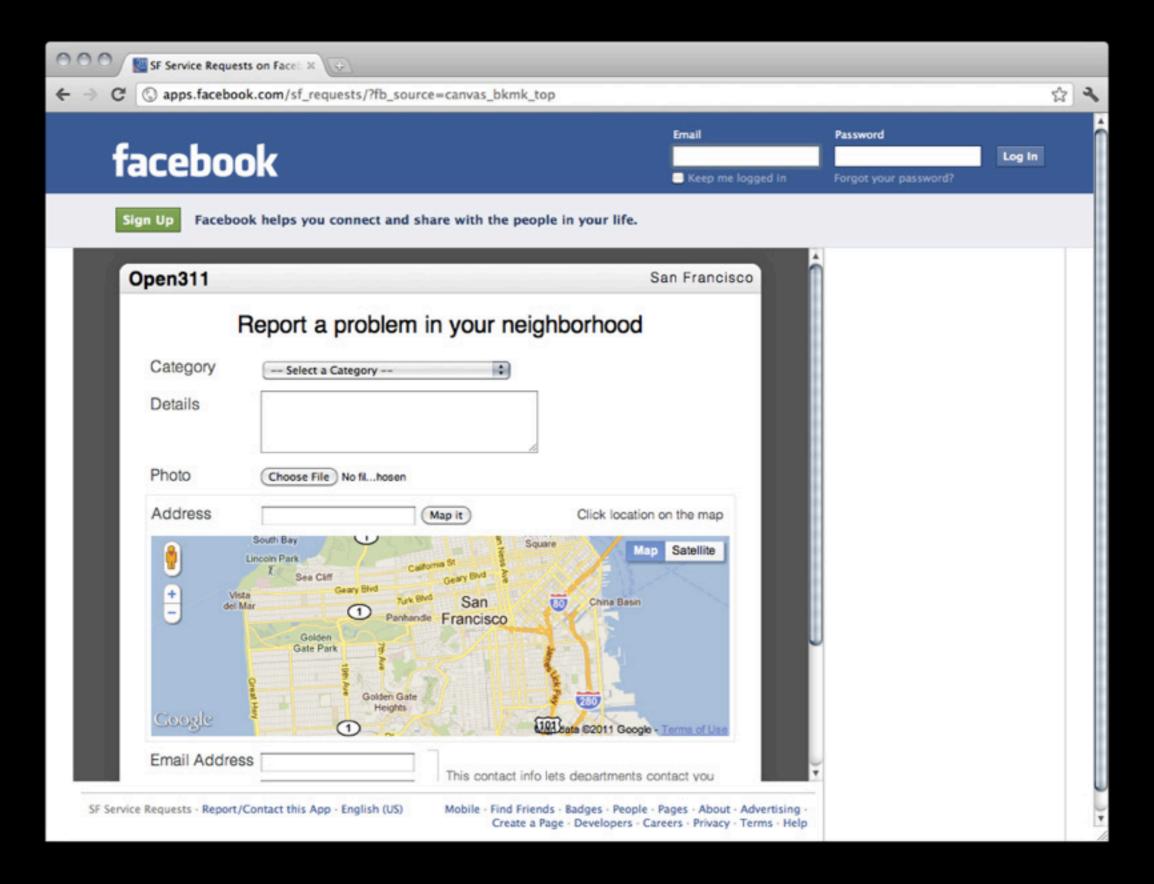




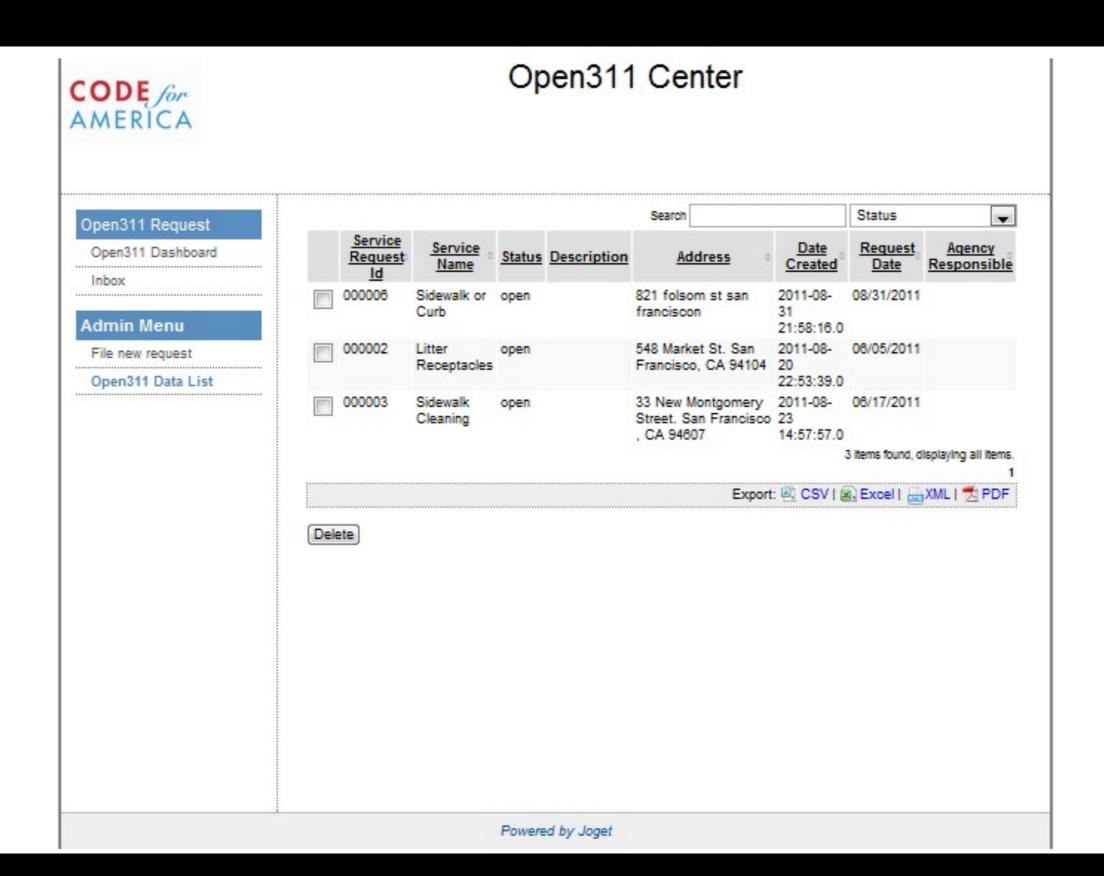




### Open311 Dashboard



### Open311 Facebook App



### Open311 on Joget



















### Mark-a-Spot GeoReport v2 API

This demo simulates a client like a mobile app, backend CRM or something similar. This RESTfull client requests and receives responses provided by a Mark-a-Spot Community-Instance at open311.mas-city.com for San Francisco.

Click on the Submit button to post or send in a test report through a webform there.

#### Send Request

Simulating a Service Request with Method POST using random Coordinates and saving a PNG into the Mark-a-Spot instance.

Service Code is 490 "Curb and Gutter Repair"

```
URL: http://open311.mas-city.com/open311/requests.xml
```

URL: http://open311.mas-city.com/open311/requests.json

Request Header: ('Authorization',

'TRUEREST username=sysadmin@markaspot.org&password=test123&apikey=MasAPIkey)

```
array('jurisdiction id' => 'SomeCity',
'lat' => '37.771627559765,
'long' => '-122.411627559765,
'service code' => '490',
'media url' => 'http://cakephp.org/img/cake-logo.png');
```

Mark-a-Spot

@markaspot

Demo Instance

Code repository

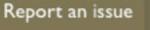






About





All reports

Contact





FixMyStreet offers a beta API modelled on the emerging Open311 GeoReport v2 standard.

### XML in email notifications to councils

When an Issue is confirmed by submitter, an email notification is sent to the designated council email address. The email includes XML similar to the following:

http://www.fixmystreet.com/open311









### **FixMyStreet**

Report a problem

Your reports

All reports

Local alerts

Help

mys::ciety...

### Open311 API for the mySociety FixMyStreet server

At the moment only searching for and looking at reports work.

This API implementation is work in progress and not yet stabilized. It will change without warnings in the future.

- Open311 initiative web page
- Open311 specification

At most 20 requests are returned in each query. The returned requests are ordered by requested\_datetime, so to get all requests, do several searches with rolling start\_date and end\_date.

The following Open3 I v2 attributes are returned for each request: service\_request\_id, description, lat, long, media\_url, status, requested\_datetime, updated\_datetime, service\_code and service\_name.

In addition, the following attributes that are not part of the Open311 v2 specification are returned: agency\_sent\_datetime, title (also returned as part of description), interface\_used, comment\_count, requestor\_name (only present if requestor allowed the name to be shown on this site).

The Open311 v2 attribute agency\_responsible is used to list the administrations that received the problem report, which is not quite the way the attribute is defined in the Open311 v2 specification.

With request searches, it is also possible to search for agency\_responsible to limit the requests to those sent to a single administration. The search term is the administration ID provided by MaPit.

#### Examples:

- discovery information
   http://www.fixmystreet.com/open311/v2/discovery.xml?jurisdiction\_id=fiksgatami.no
- list of services provided
   http://www.fixmystreet.com/open311/v2/services.xml?jurisdiction\_id=fiksgatami.no
- list of services provided for WGS84 coordinate latitude 60 longitude 11
   http://www.fixmystreet.com/open311/v2/services.xml?jurisdiction\_id=fiksgatami.no&lat=60&long=11
- Request number 1
   http://www.fixmystreet.com/open311/y2/requests/1\_xml?iurisdiction\_id=fiksgatami.no.



http://barnet.fixmystreet.com/open311





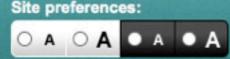






Please enter your search

Search





### Main Menu

- FixMyStreet
- Report a problem
- All reports
- Local alerts
- > Help
- Contact



#### **Online Services**

Barnet Council



#### Council Address

North London Business Park (NLBP). Oakleigh Road South, London. N11 1NP

View map of Barnet

Phone Number 020 8359 2000

Tavt Number (SMS)

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#### Examples:

- > discovery information http://barnet.fixmystreet.com/open311/v2/discovery.xml?jurisdiction\_id=fiksgatami.no
- > list of services provided

http://barnet.fivmuetreet.com/open311/v2/eenvicee.vml2iuriediction\_id=fikenatami.po

http://southampton.fixmystreet.com/open311





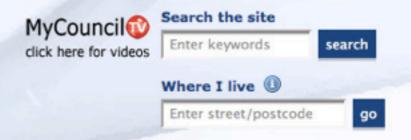




Skip to content | Access keys | Accessibility Information | Listen | Site help | Site map



### Southampton City Council



Do it online | Customer Services | Business | Environment | Learning | Leisure | Living | Council/Partners | News and events | Visitors

A-Z of Council Services: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Contact us | location and maps

#### Fix My Street

Report a problem

All reports

Local alerts

Help

Contact

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#### Examples:

- discovery information
- http://southampton.fixmystreet.com/open311/v2/discovery.xml?jurisdiction\_id=fiksgatami.no
- list of services provided
- http://southampton.fixmystreet.com/open311/v2/services.xml?jurisdiction\_id=fiksgatami.no
- list of services provided for WGS84 coordinate latitude 60 longitude 11 http://southampton.fixmystreet.com/open311/v2/services.xml?jurisdiction\_id=fiksgatami.no&lat=60&long=11
- Request number 1
  - http://southampton.fixmystreet.com/open311/v2/requests/1.xml?jurisdiction\_id=fiksgatami.no



### The Civic Network?

### A National 311 API?



### Telephone & SMS Accessibility from a web API?



















How it Works

Pricing

Docs

Get Help

Blog

### Speech Enabling Open311

August 9th, 2011 by Mark Headd

Since SpeechTEK is this week, I thought it was a good time to update a post I did several months ago on using speech recognition to capture a street address.

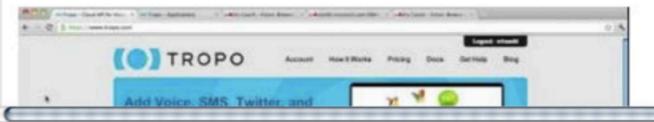
There are lots of reasons why you might want to collect a caller's address over the phone.

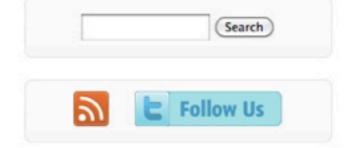
In open government circles, there has been a lot of interest lately in using automated IVR systems to help gather non-emergency service requests for municipalities. This makes a lot of sense - many municipalities enable non-emergency service reporting through the use of a designated abbreviated dialing number - 3-1-1 - so there is a long history of reporting these issues using the telephone.

Address collection is used quite often in IVR systems, but typically relies on expensive proprietary or "black box" components that might not be suitable for all use cases. This is particularly true for municipalities and local governments who are under financial pressure and who need to do more with less.

In this post, I'll show how to build a sophisticated address collection system that can be used for almost any city or town, large or small. All of the code for this example is on GitHub (and under active development) and many of the components I will use are free or open source.

Here is a screen cast demonstrating the system running on the Tropo platform.





#### Tags

adhearsion agitate announcement API asr asterisk cloud conference Conferences contest couchdb event Events git github Groovy Hackathon IM international Java JavaScript mashup mashups meetup node.js Opengov philadelphia phono PHP Python Ruby screencast sip Skype SMS speech recognition text to speech transcription I ropo tts Twitter Video voice webapi Web API

#### **Archives**

- » October 2011
- Sentember 2011

### Looking Ahead

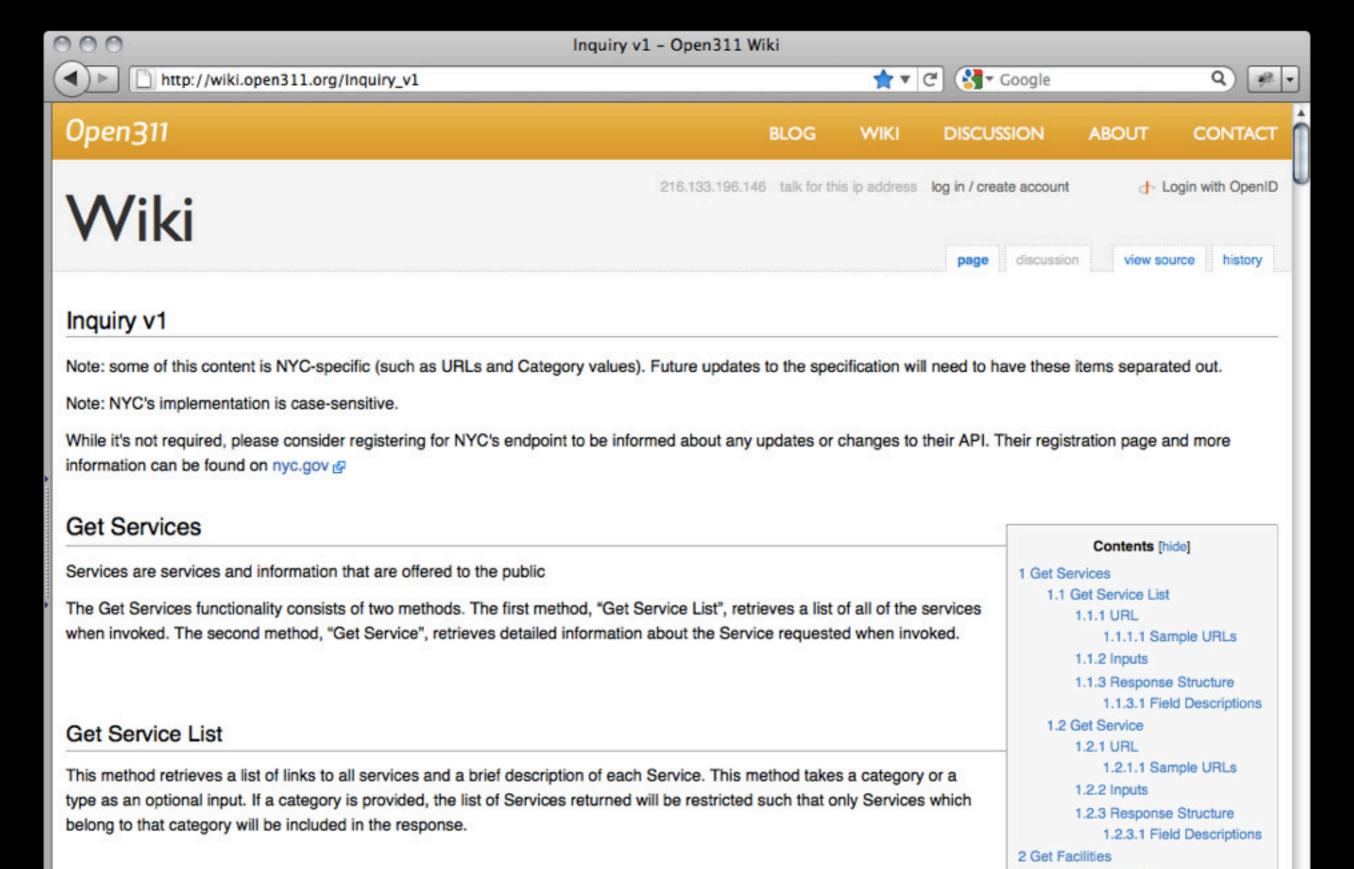
### Needs

- Improved docs (eg iodocs)
- Validator

### Future

- GeoReport 2.x & 3
- Other APIs

### Inquiry API



2.1 Get Facility List

2.1.1 URL

2.1.2 Inputs

2.1.1.1 Sample URLs

2.1.3 Response Structure

URL

http:// <a>content\_api\_root>/services/<category>.<content\_type>

Sample URLs



http://betanyc.org/appleseed/mockup/







Set Location: 902 Broadway, Manhattan

Set Language: English

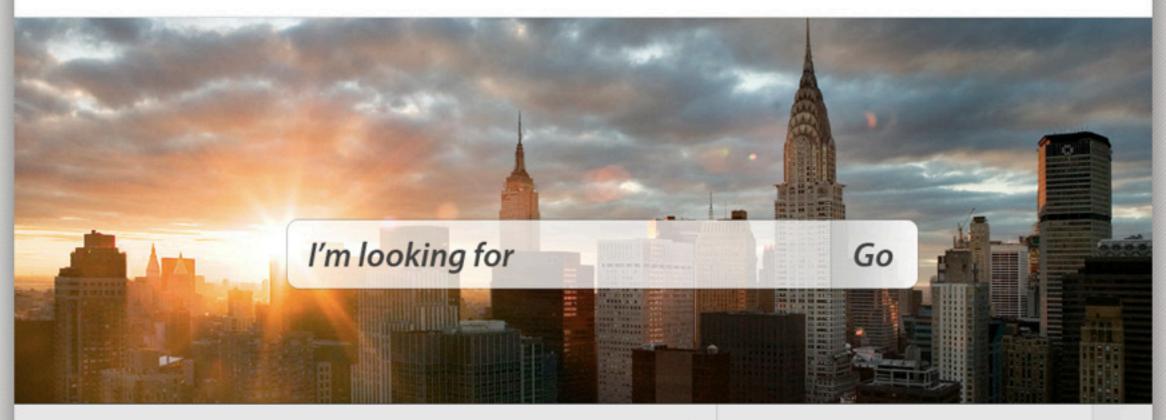


The Official Website for New York City

Visitors

311 Online

My NYC



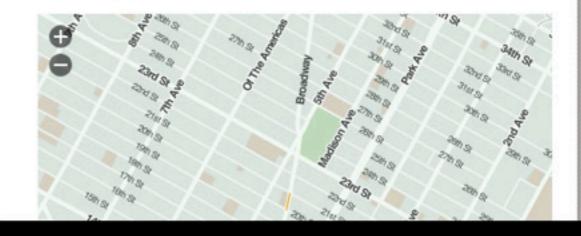
Notify NYC: Due to a water main break in the vicinity of Jerome and Tremont Ave.. ->

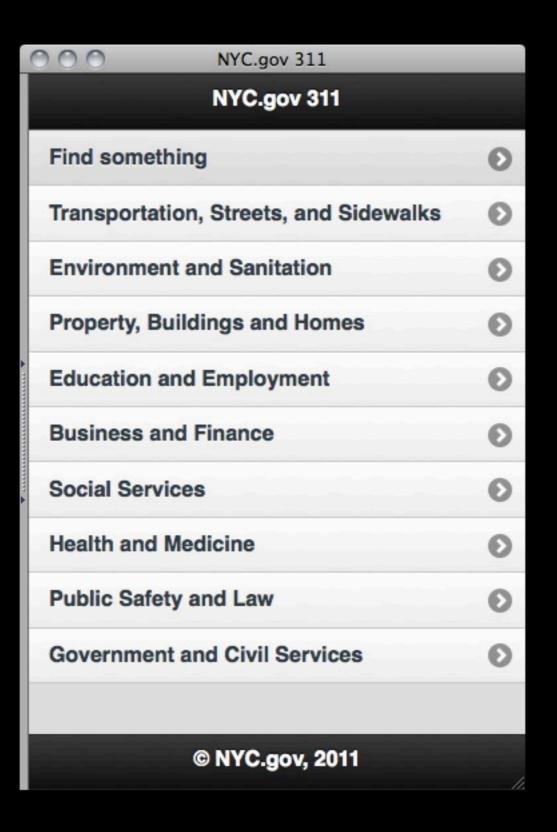
City Offices & Agencies: Office of the Mayor

### Common tools, topics, and searches

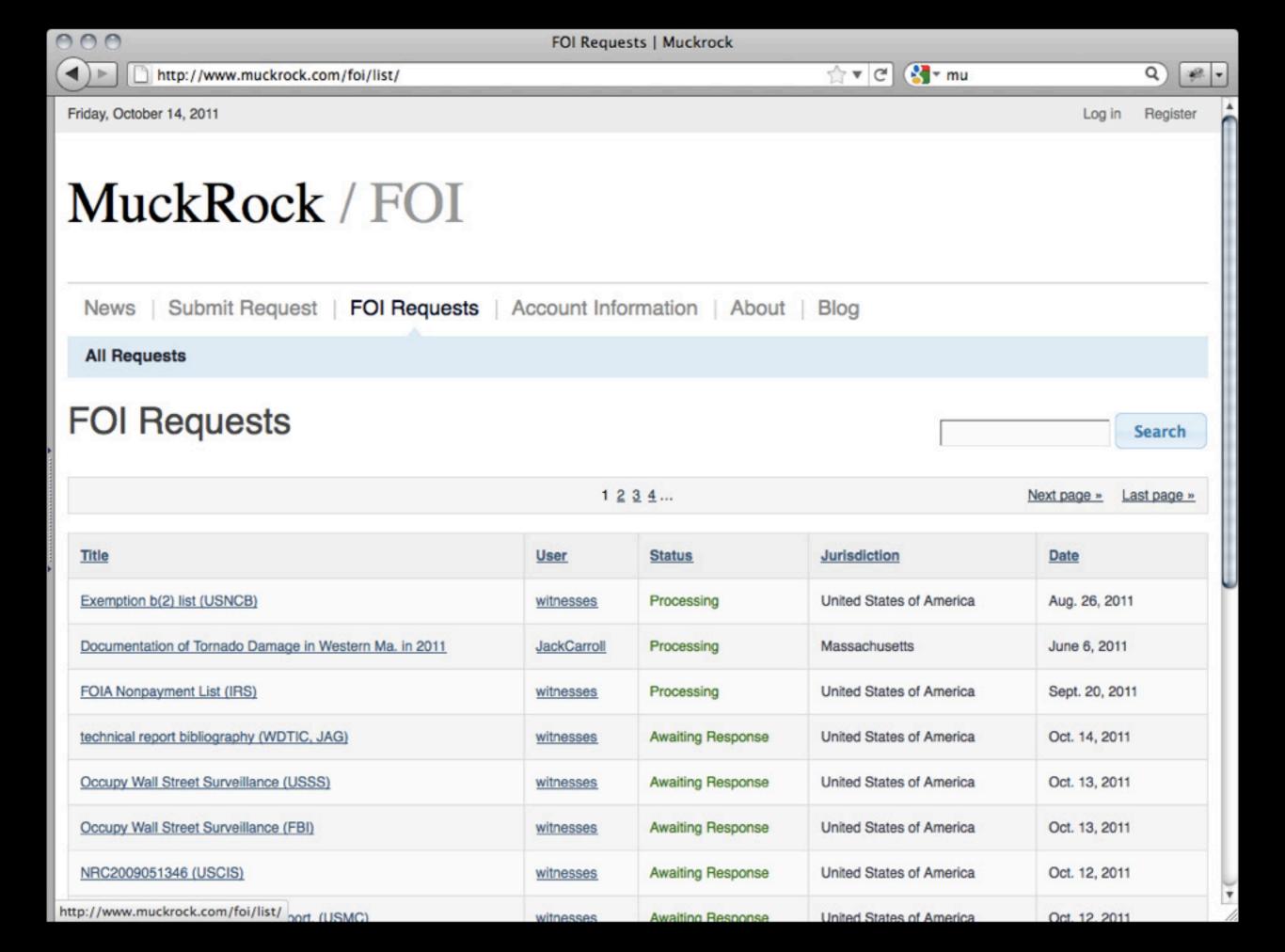
- Schools. Register your child for school and learn more about NYC schools.
- Buildings. Look-up your building or file a new building permit.
- Parking tickets. Pay for your ticket and get more information.

### My Neighborhood





# Asynchronous Inquiry with Status?



### What if anyone could answer?

aggregating their other profiles or by asking some quick and easy questions upon sign up and using cookies to recall things they've looked into previously to build a

personalized library.

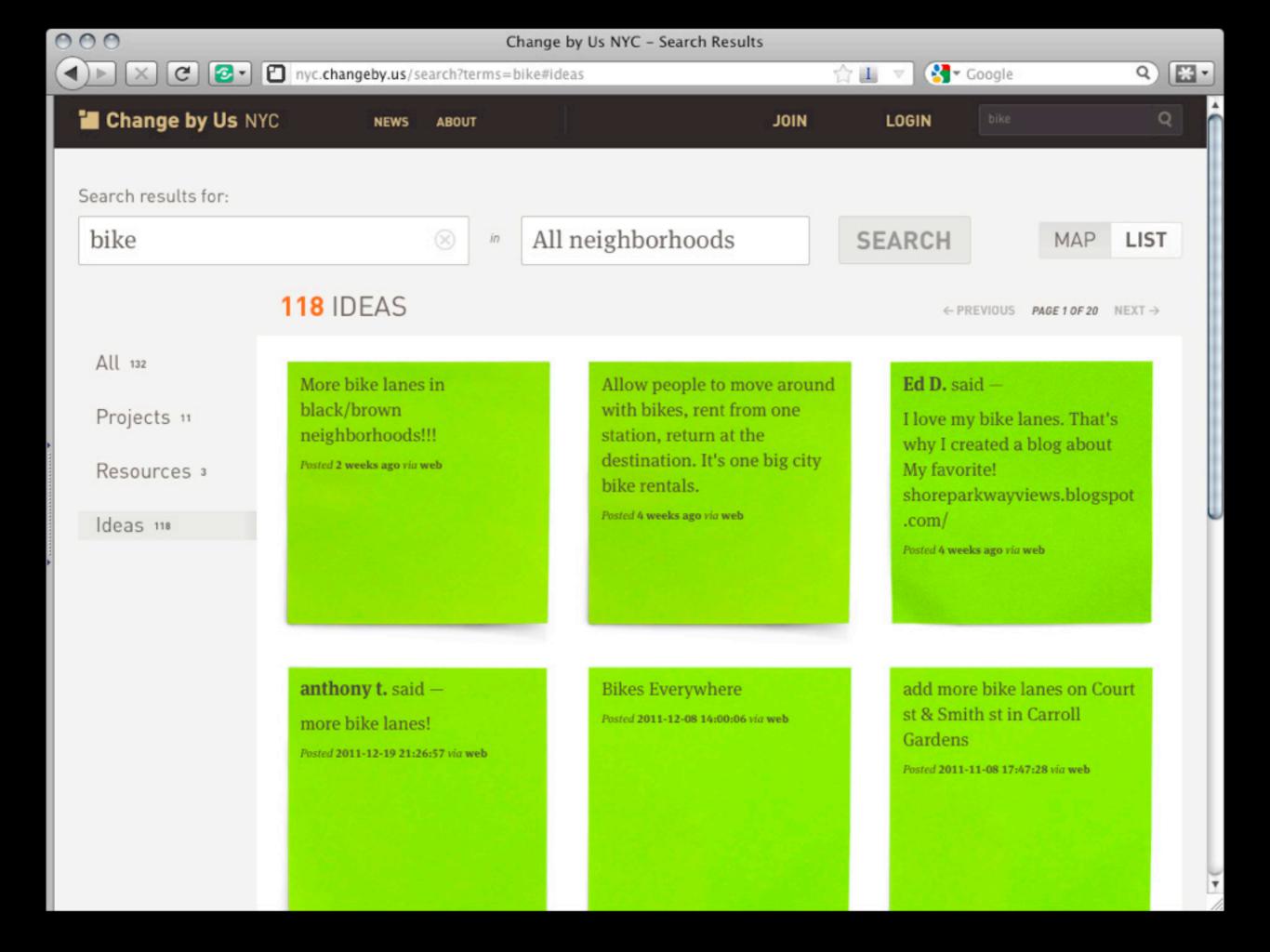
### Patterns of Interaction

Issue Report: Request / Report

Inquiry: Ask / Search

Ideation: Answer / Suggest

wiki.civiccommons.org/Collaboration\_Platforms

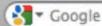




http://ideas.nycbigapps.com/









SIGN UP







LOG IN

New York City challenged the public to share ideas for apps for residents, businesses, and visitors.

Congratulations, winners! And thanks to everyone who voted and participated! We hope these ideas will help fuel the NYC BigApps 3.0 challenge launching later this year.

### **Winners Gallery**

**TOP 10 IDEAS** 



I want an NYC app that has a visual, color coded map of all street parking rules, regulations and street cleaning schedules.

Submitted 4 months ago by Will T.



I want an NYC app that aggregates all the volunteer initiatives available, its cause and allows me to register/participate

Submitted 4 months ago by Christopher B.



I want an NYC app that aggregates bike accident data to make/help petition for safer bike

### **Recent Followers**

















#### Share

714

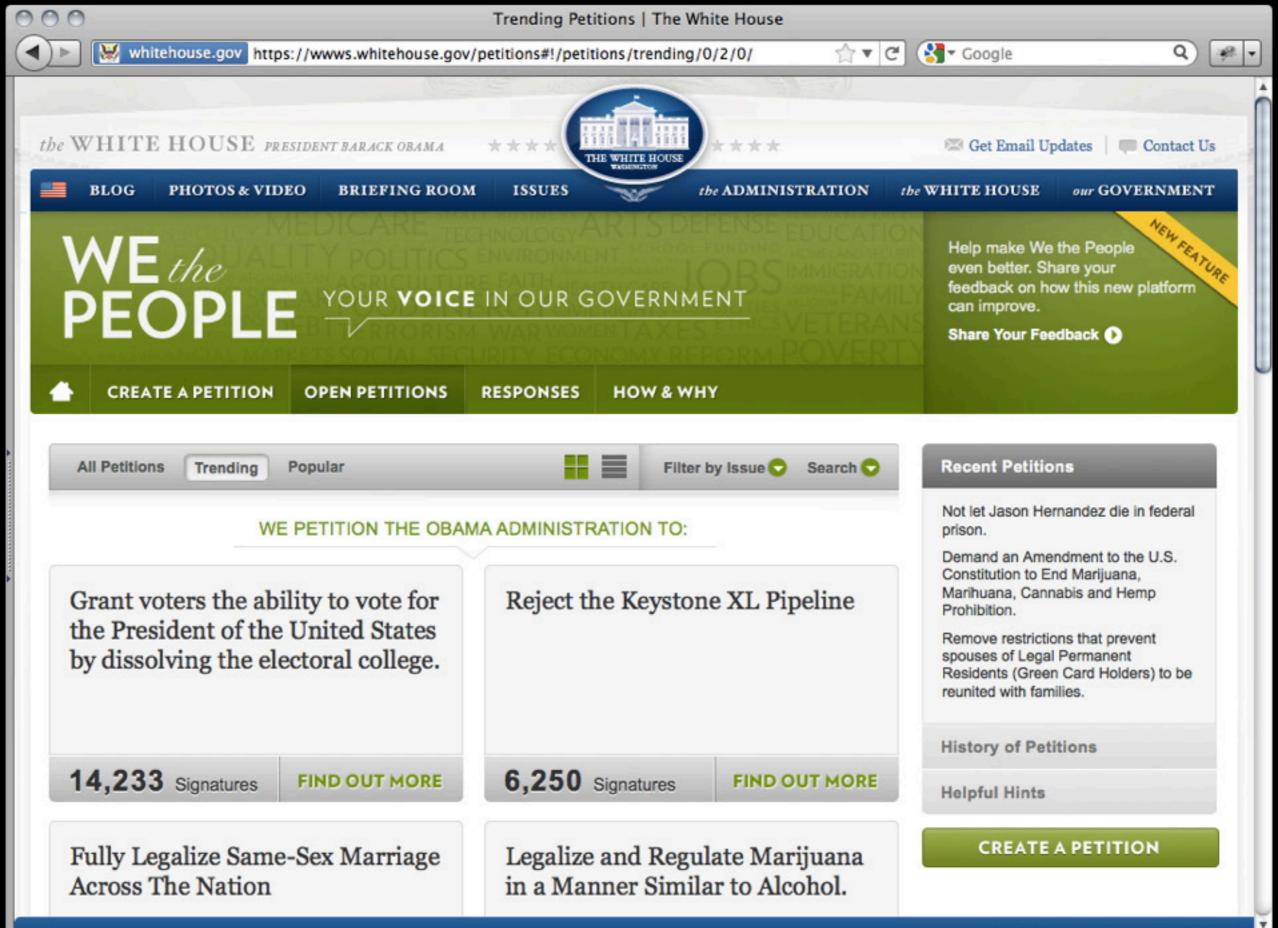








EMAIL





















Register LOG IN

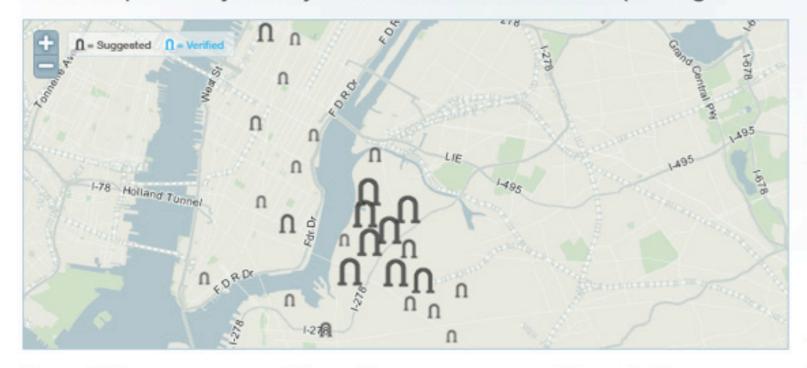








### Small steps to fix your city. Take action for better bike parking!



Twitter users can submit racks using this easy syntax



Smartphone users can make suggestions by snapping a photo and emailing.

Bike rack requests submitted to See Click Fix will be incorporated into FixCity when tagged with the term "bike rack".



Spot it.



Map it.



Check it.



Latest News

Comment & Vote on Rack Suggestions! Anyone can now comment on existing rack suggestions and registered users can show their support for a location by "hearting" it.

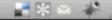


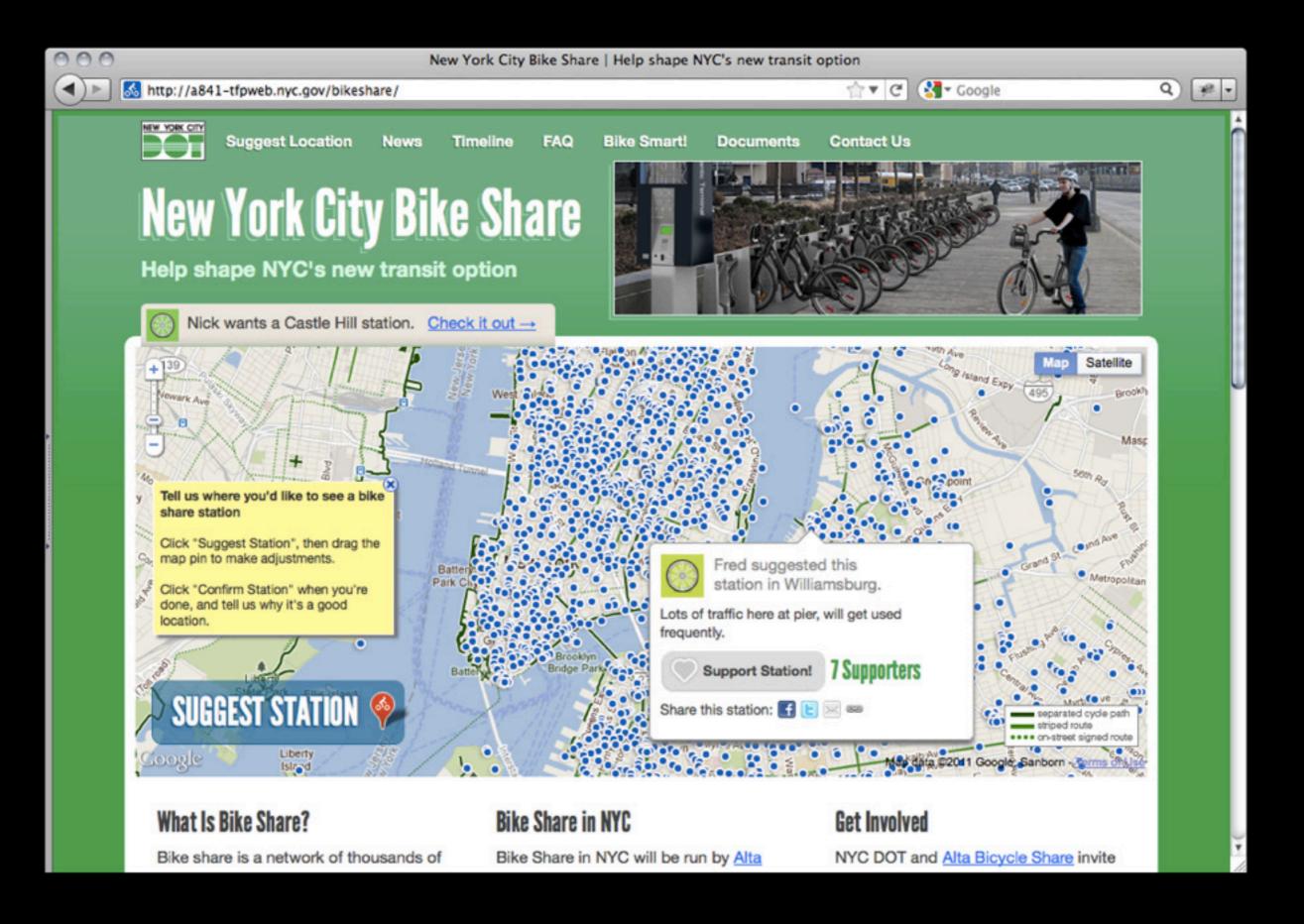
Suggest a rack via:

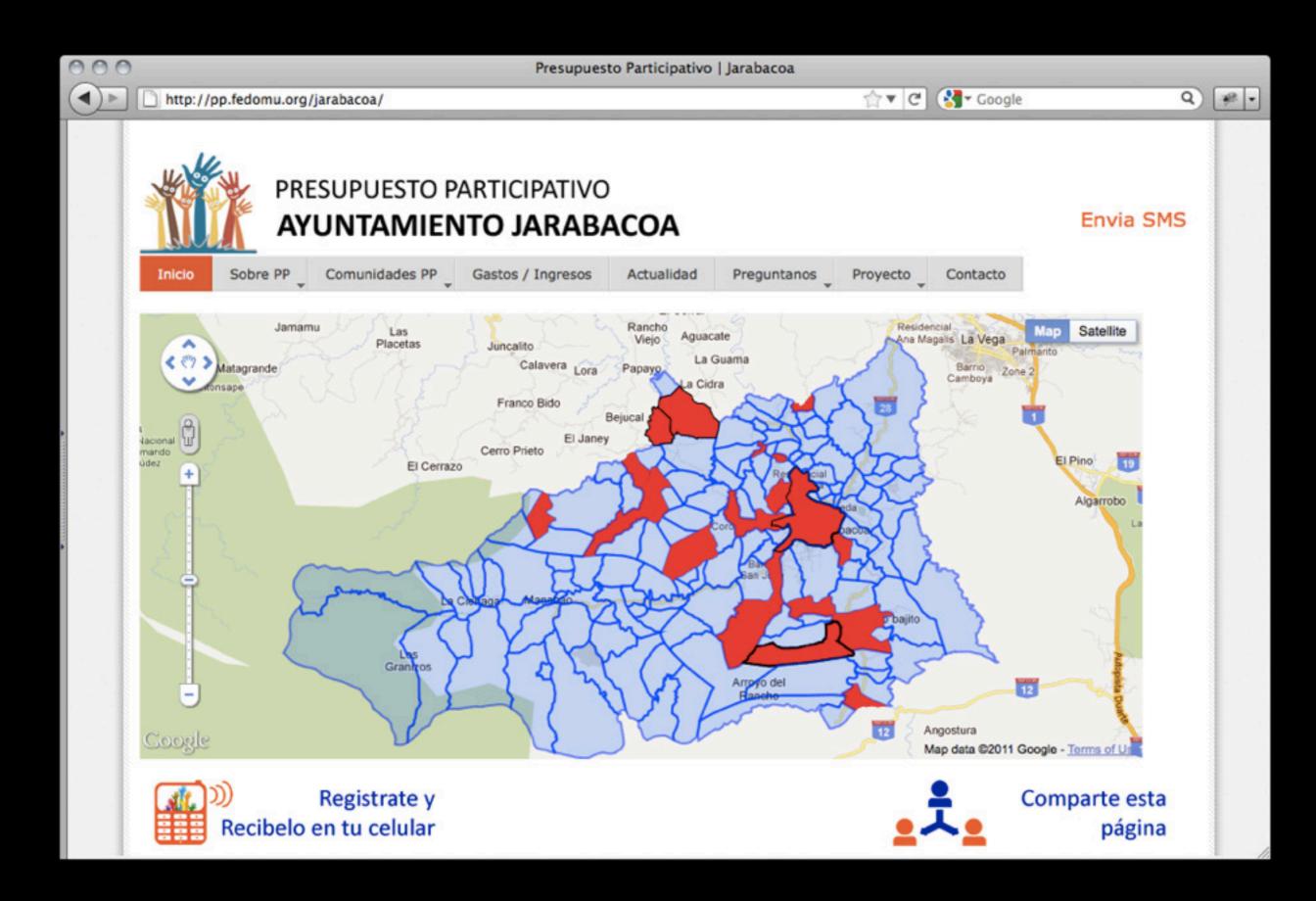














http://nycpb.org/





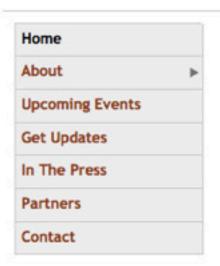






### Participatory Budgeting in New York City

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Like

113

#### Get Updates

Sign up for updates from:

- D8 Melissa Mark-Viverito (Manhattan/Bronx)
- D39 Brad Lander

### Participatory Budgeting for New York City

New York City is about to experience a new kind of democracy. Over the next several months, we will undertake an exciting initiative to put budgeting decisions directly in the hands of the people those decisions will impact most - the residents of our districts.

Participatory budgeting is grassroots democracy at its best. Residents of four diverse City Council districts from Manhattan, Brooklyn, Queens, and the Bronx, will come together to decide what to do with the districts' capital funding budget, the part of the budget that is used to repair streets, improve parks, buy school technology, or build bike lanes. Community members will exchange and debate ideas, work together to turn ideas into project proposals, and then decide what ideas get funded at the ballot box. The process will make budgeting more transparent and accessible. It will open up participation to people who have never been involved before. And it will make budgeting more effective, because who knows better what is needed in our communities than the people who live there?



Four New York City Council Members are launching Participatory Budgeting

### Recent Updates

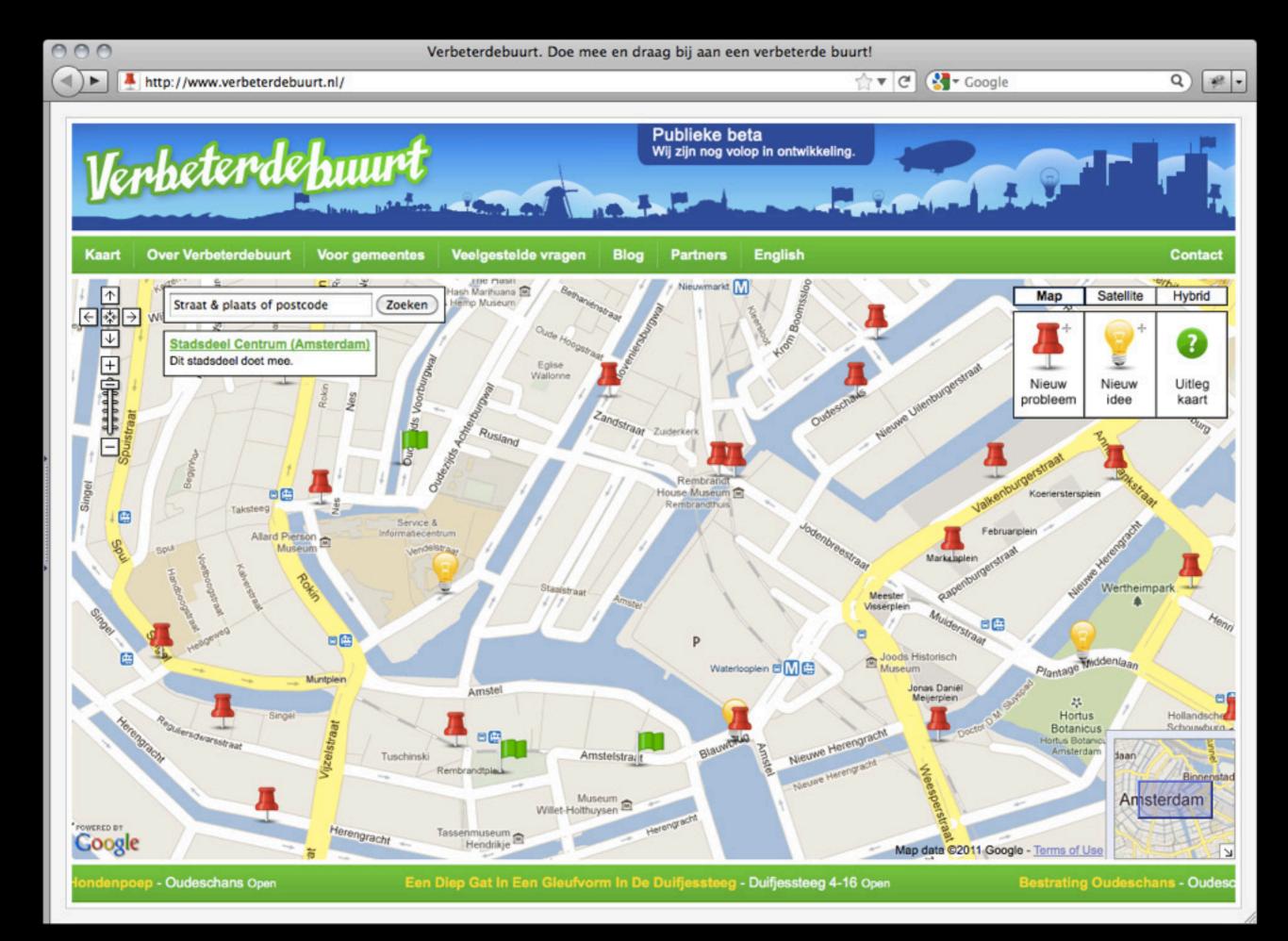
 Launching the Participatory Budgeting Process

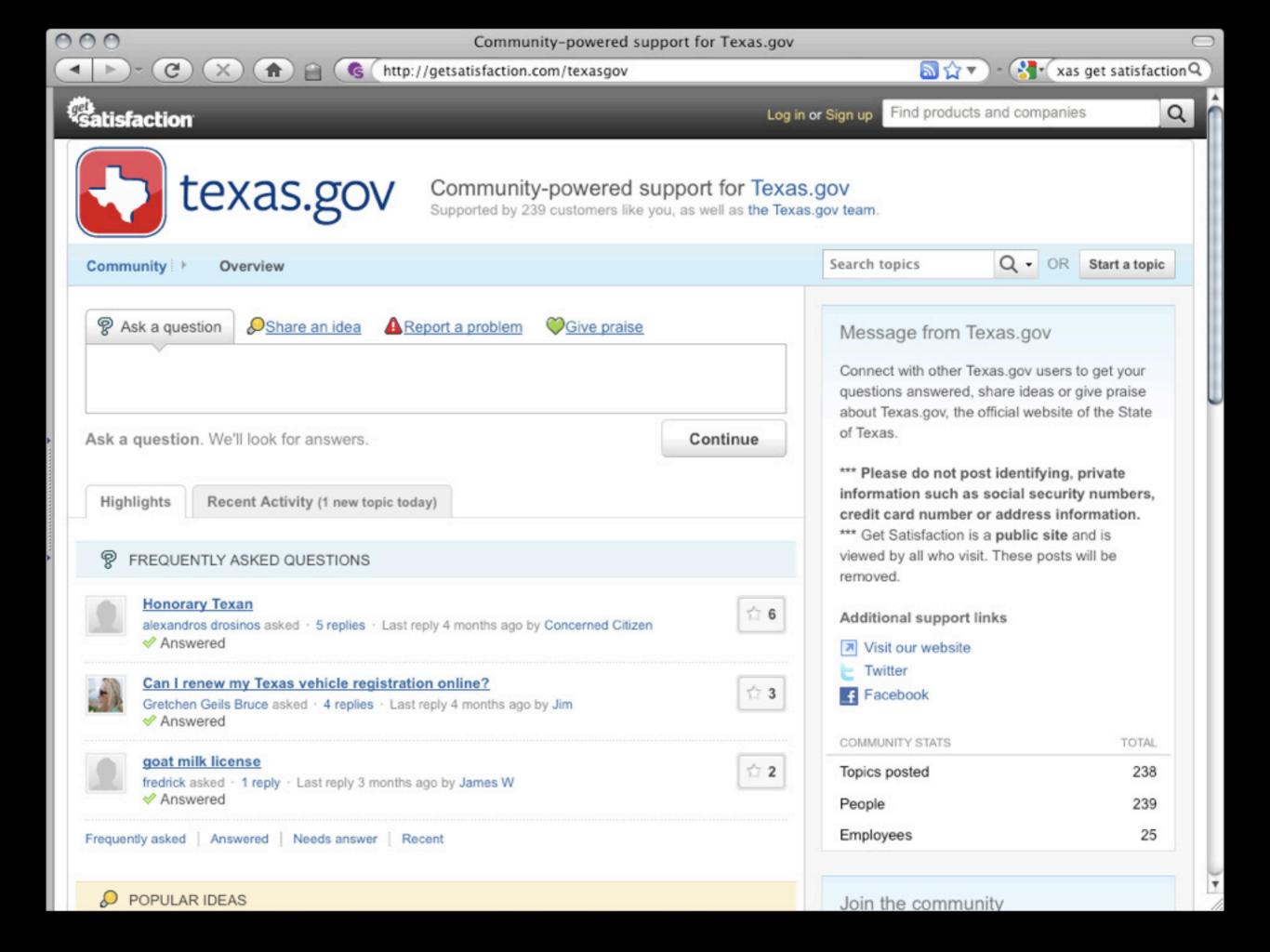
more

#### Upcoming Events



### Unify these interactions?





### Thanks!

# Open311.org



Philip Ashlock phil@openplans.org



civiccommons.org