

# Open 311 and City Mapping

Problem statement: How to use Open 311 and Ushahidi together:

## Random Hacks of Kindness

Philip Ashlock issued this problem definition for RHOK - a global hackathon. This is the activity plus code:

Problem listed on Rhok: <http://www.rhok.org/problems/ushahidi-open311-georeport-api-integration>

<https://github.com/rgrp/pybossa-geodemo>

<https://twitter.com/#!/rufuspollock/statuses/143095584650305536>

<https://github.com/rgrp/pybossa-geodemo>

<http://okfn.org/members/rgrp>

<http://okfnpad.org/rhok-dec-2011>

<http://i.imgur.com/Zw4Mr.jpg>

## Code for America and Open Plans Activity

Courtesy of Philip Ashlock

Open311 API integration is possible with Ushahidi as a server, but not as a plugin so in addition to completing full support for the spec, the main work that needs to be done there is to properly integrate it with the codebase, as a plugin or otherwise. Here are examples of some of the API methods:

- <http://ushahidi.georeport.org/georeport/v2/services.xml>
- <http://ushahidi.georeport.org/georeport/v2/services/3.xml>
- <http://ushahidi.georeport.org/georeport/v2/requests.xml>

For viewing reports from the Ushahidi DB through the GeoReport API

[http://svn.ashlock.us/public/georeport\\_ushahidi/v2/codeigniter/app/views/reports\\_xml.php](http://svn.ashlock.us/public/georeport_ushahidi/v2/codeigniter/app/views/reports_xml.php)

For posting reports through the GeoReport API to the Ushahidi DB

[http://svn.ashlock.us/public/georeport\\_ushahidi/v2/codeigniter/app/controllers/reports.php](http://svn.ashlock.us/public/georeport_ushahidi/v2/codeigniter/app/controllers/reports.php)

As you'd expect, you can view and checkout the rest of that via svn at [http://svn.ashlock.us/public/georeport\\_ushahidi/v2/](http://svn.ashlock.us/public/georeport_ushahidi/v2/)

These are live at <http://ushahidi.georeport.org/georeport/v2/>

eg:

<http://ushahidi.georeport.org/georeport/v2/requests.xml>

## Prototype by Nicholas Doiron:

<http://ushahidi.phpfogapp.com/>

- When you add a report, it POSTs to Open311 with this format: [http://wiki.open311.org/GeoReport\\_v2\\_docs#POST\\_Service\\_Request](http://wiki.open311.org/GeoReport_v2_docs#POST_Service_Request) - I might need to add fields such as <status>open</status> for it to work well with Open311.
- Data from the Ushahidi API, such as <http://ushahidi.phpfogapp.com/api?task=incidents&resp=xml>, are in this format: [http://wiki.open311.org/GeoReport\\_v2\\_docs#GET\\_Service\\_Requests](http://wiki.open311.org/GeoReport_v2_docs#GET_Service_Requests) I'm not sure how to set up the official Open311 RESTful API. JSON is also available <http://ushahidi.phpfogapp.com/api?task=incidents>
- "Open311 enabled" appears on the front page
- Other changes to the front page design come from a separate plugin

Updated March 11, 2012:

- Nicholas added new properties to OpenPlans Ushahidi / 311 mash-up: it now includes each report's title, verified/unverified status, closed/active status, and a media URL, if it has one: <http://ushahidi.phpfogapp.com/v2/requests.xml> he also added support to output JSON: <http://ushahidi.phpfogapp.com/v2/requests.json>  
The combined code is on <https://github.com/mapmeld/Open311-Plugin-for-Ushahidi>

Tim Kochanski - Google summer of code

<http://socghop.appspot.com/gsoc/project/google/gsoc2011/tskochanski/11001>

<https://github.com/tskochanski/Open311-Plugin-for-Ushahidi>