Government Big Data Symposium

Open Gov 2.0 and Safety.Data.Gov

Jo Strang
Associate Administrator for Railroad Safety/Chief Safety Officer
Federal Railroad Administration

March 5, 2013

- Safety.Data.Gov continues to grow
  - Ten Cabinet Departments and Six Independent Agencies
  - 872 datasets, Five Challenges, 14 Data Categories, 35 apps available
- Safety.Data.Gov will be considered in the draft order formally establishing the Safety Council
- Continuing outreach to developers (PublicStuff, Horton Works, MIT Hack-a-thon, US Ignite, HDScore)
- Extraordinarily successful Safety Datapalooza at White House on September 14
  - More than 40,000 internet references (Google “Safety Datapalooza”)
Some of the Apps Highlighted at the White House Safety Datapalooza

- American Red Cross Hurricane app
- Trulia Crime and Commuter apps
- SafeRoadMaps.org and State Data Dashboards
- Child Safety Seat Inspection Station Locator
- Recall apps (Recalls.Gov, SAP Recalls Plus, Safety Book, We Make It Safe)
- SaferBus
- Eat-Shop-Sleep – Code violation data
- Wireless Information System for Emergency Responders (WISER)
- Miners Matter
- Honolulu Tsunami Evacuation Zones
- Radiation Emergency Medical Management tool
- Pulse Point – Connecting CPR-trained Samaritans with nearby victims in need (video)

- Outreach to agencies (DOJ, FBI, FCC, NENA, FEMA, NASA, FMCSA (SAFER), NHTSA (Connected Vehicles))
- Outreach to developers (PublicStuff, HDscore, Horton Works, MIT Hack-a-thon)
- TRB
What Agencies Are Involved?

Safety.Data.Gov has enjoyed widespread participation.
Safety.Data.Gov Strategic Planning

- Relate Data to Policy Goals
- Prototype Form with NHTSA

<table>
<thead>
<tr>
<th>Policy Goal</th>
<th>List the high priority goal on performance.gov or in your agency strategic plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brief Description of Goal</td>
<td>List the high priority goal on performance.gov or in your agency strategic plan</td>
</tr>
<tr>
<td>Provide a thumbnail sketch of the goal. Where possible, include metrics.</td>
<td>List Goal Owners</td>
</tr>
<tr>
<td></td>
<td>List people/organizations/roles that want the problem solved.</td>
</tr>
<tr>
<td></td>
<td>List people/organizations/roles who might want to be involved in solving the problem.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Strategies and Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Representative Strategy</td>
</tr>
<tr>
<td>Identify common tactics used to address this issue.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Review of News/Articles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perform a Google search on this issue and review periodicals that are discussing this particular problem. List articles here that are discussing data-driven solutions to the problem.</td>
</tr>
<tr>
<td>Specifically, address any resource or political risks that may inhibit successful execution.</td>
</tr>
</tbody>
</table>
National Institute of Justice Participation

- NIJ is the research arm of the U.S. Department of Justice.

- NIJ coordinates Safety.Gov activities for DOJ in order to:
  - Increase DOJ/Public Involvement and Data Accessibility
  - Comply with government transparency directives
  - Increase input from the field and industry
    - Through challenges and app development
  - Assist with data sharing and coordination

- NIJ has posted 74 micro-data sets to the Safety.Data.Gov site. These include:
  - Corrections Statistics (Inmate and Institutional)
  - Court Statistics (Institutional and Prosecutorial)
  - Crime Statistics
  - Forensic Lab Statistics (Institutional)
  - Law Enforcement Statistics (Institutional)
NIJ Coordinates Challenge.Gov activities for DOJ. During 2012, NIJ accomplished the following Challenge-related activities:

- Launched the first DOJ Challenge
  - Body Armor Life Span Assessment Tools and Techniques
- Developed and documented DOJ-wide Challenge Standard Operating Procedures (SOPs)
- Identified legal DOJ Challenge funding authorities
- Assisted other DOJ components in the development of Challenges using publicly accessible DOJ data
- Assisted other Federal agencies in the adoption of Challenge programs
OpenFEMA Mission

ABOUT
OpenFEMA aims to ensure the agency is providing timely, usable, and accurate information to constituents; specifically, this means providing data in a raw format to enable citizens, the private sector and non-government organizations to leverage the data in innovative and value-added ways. Most importantly, by proactively releasing information on an ongoing basis, it will be easier to operationalize live data in times of a disaster.

MISSION
The mission of the OpenFEMA initiative is to expand and promote a culture of Open Government among the agency and the Whole Community; to increase transparency, participation, and collaboration in support of the Nation’s ability to prepare for, protect against, respond to, recover from and mitigate all hazards.
OpenFEMA Program Goals

The OpenFEMA initiative has identified the following high priority program goals:

• Release data for public consumption on data.gov, both by posting/refreshing static data sets and working to establish real-time data feeds.

• Engage with external partners to leverage FEMA’s data to help achieve meaningful results and improve operational outcomes in support of first responders, those supporting disaster survivors, and the disaster survivors themselves.
OpenFEMA Accomplishments

Program Initiation
Datasets for Data.Gov
• Coordinated the release of new datasets, NFIRS 2010 and 2011 data (under review) on Data.Gov.
• Current data pipeline includes over 100 potential feeds/datasets.

National Day for Civic Hacking
• Coordinating with External Affairs to allow FEMA to be listed as a Government Agency Contributor for the National Day of Civic Hacking (June 2013).

National Fire Incident Calendar
• Working with University of Wisconsin to create a Fire Calendar visualization using 2010 and 2011 NFIRS fire incident and cause data to increase fire safety and prevention.

/open page
• Creating an /open page on FEMA.Gov to provide a forum to engage external stakeholders, highlight data published on Safety.Data.Gov, provide a mechanism to request data, and to highlight external champions and successes.
OpenFEMA Project Activities

• Engaging FEMA Internal Stakeholders to identify data sets to release as well as help secure external champions.

• Engaging External Stakeholders to gain partners interested in leveraging FEMA’s data to support first responders and disaster survivors.

• Imminent launch of /open page on FEMA.Gov to provide a forum to engage external stakeholders, promote/highlight data published on Safety.Data.Gov, provide a mechanism to request data, and promote/highlight external uses/successes of released data.

• Working to develop real-time feeds for FEMA data as the logical next step to posting static data sets.

• Investigating implications of implementing Digital Strategy (e.g., /developer and /data pages, APIs/live data feeds).

• Engaging in Open Government Community to include working with DHS Office of Management as the DHS leader in Open Government, participant in White House safety.data.gov working group and data sharing events, partnerships with other Federal OpenGov programs (e.g., NASA, GSA, HHS), and non-profit groups.