CI and Networked Governance
Where are we? Where are we going?

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Governance and CI
Collaborative Research Projects and Catalytic Activities

Projects

- Institutional Analysis
- Open Source
- Digital Tools
- Connecting to Congress
- Computational Social Science
- Cyber-security
- Local government responses to demand for broadband
- Mobile emergency response in rural settings
- Aboriginal Canada Portal

Collaborating Institutions

- European Commission, Office of Trademark, Alicante, Spain
- U.S. Congressional Management Foundation
- IBM
- University of Tokyo
- MIT
- Digital Nations Foundation, Santiago, Chile
- Univ. of California Riverside
- Ohio State University
- Carnegie Mellon
- Fulbright Commission
- Claremont Graduate School
- Government of Canada
CI and Digital Governance

• Digitally mediated institutions
  – Services, information and interactivity with citizens
  – Internal and cross-boundary organization
  – Transparency

• Citizen engagement
  – Information access and production
  – Digital tools for organizing and analysis

• Social media, visualization, visual information
  – E.g., Google Earth and code violations in Mecklenburg County
Citizen Engagement

- Localocracy - UMass undergrads
- Ushahidi - testimony - Africa
- The OpenHouse Project - [www.theopenhouseproject.com](http://www.theopenhouseproject.com)
- [www.Govtrack.us](http://www.Govtrack.us) a civic project to track Congress
- [www.StimulusWatch.org](http://www.StimulusWatch.org) Mercatus Center, George Mason Univ.
- [www.OMBWatch.org](http://www.OMBWatch.org)
Ushahidi - “testimony”

Information Collection, Visualization, & Interactive Mapping
Ushahidi builds tools for democratizing information, increasing transparency and lowering the barriers for individuals to share their stories.

Join up!
The Ushahidi Platform is a free and open source project with developers hailing from Kenya, Ghana, South Africa, Malawi, Netherlands and the USA working on it. There are some significant technological challenges and we are always looking for help.

What it does?
The Ushahidi Platform allows anyone to gather distributed data via SMS, email or web and visualize it on a map or timeline. Our goal is to create the simplest way of aggregating information from the public for use in crisis response.
Ushahidi Users - Crowdsourcing and Mapping

**Sudan Vote Monitor** is a Sudanese civil society initiative that used SMS to monitor the elections in the Sudan.

**Chile Crisis Map** is tracking the post-earthquake crisis response and recovery efforts in Chile.

**Open Foreste Italiane** is a project that is designed for information and knowledge sharing among the public and several institutional and volunteering organizations involved in risk prevention and management activities surrounding forest fires.

**Snowmageddon: The Cleanup** - Where the Washington region comes together to dig out of Snowmageddon 2010.

**Haiti Crisis Map** is tracking the post-earthquake crisis response and recovery efforts in Haiti.

**Wildlife Trackers** is a citizen science project to track wildlife in Kenya.

**Connection GeoMap**, managed by Survivors Connect seeks to create a space to share critical information about trafficking and anti-trafficking activity globally, promote transparency in our efforts, engage communities and learn best practices, current challenges and needs in our global effort.

**Atlanta Crime Maps** tracks crime in the Atlanta metro area.

**Stop Stockouts** is an initiative to track near real-time stockouts of medical supplies at pharmacies (in a medical store or health facility) in Kenya, Uganda, Malawi and Zambia.

**The Computer Professionals’ Union in the Philippines** created the initiative called TXTpower, an effort to keep an eye on the mobile phone companies by ordinary citizens.

**The Cuidemos el Voto** mashup is an independent platform to help monitor the federal elections of 5 July 2009 in Mexico.

We set up a site to track the Swine Flu reports coming in from official and unofficial sources at [Swineflu.Ushahidi.com](http://www.swineflu.ushahidi.com). We have also created a way for citizen reports to be submitted (they remain unverified).

**Vote Report India** is a collaborative citizen-driven election monitoring platform for the 2009 Indian general elections.

Al Jazeera uses Ushahidi in their "[War on Gaza](http://www.warongaza.com/website)" website covering the activity happening in Gaza in January 2009.
Haiti - emergencies

Sudan - voting rights abuses
CI and the Obama Campaign

- 52.5% of the popular vote
- 364 electoral votes
- Email – 13 million on list received 7,000 variations of more than one billion emails
- 5 million “friends” on > 15 social networking sites
- 2,818,410 supporters on Facebook (6.95 million)
- 870,093 “friends” on MySpace (1.89 million)
- 126,225 followers on Twitter
- $600 million in contributions
- 3 million online donors contributed 6.5 million times
- 3 million personal phone calls placed during last four days of campaign

MyBarackObama.com

- Facebook co-founder Chris Hughes developed MyBO.com
- 1.5 million accounts
- 8.5 million monthly visitors at peak
- 400,000 blog posts
- 35,000 volunteer groups
  - promoted > 150k events
- 70,000 fundraising hubs raised $30 million
- Processed three million private donations
- Now the “Organizing for America” website

Sources: Vargas, 2008; Harris 2008.
Reach out to niche communities

- MiGente (Latinos)
- FaithBase (Christians)
- Eons (Baby Boomers)
- AsianAve (Asian Americans)
- Glee (LGBT)
- BlackPlanet (African Americans)

Expansive social networking

- LinkedIn - 500 connections (Harris)
- 50,000 images on Flickr photostream (Harris)
- Second Life presence (Harris)
- Strategic text messaging (Vargas 2007)
- Counter-viral email messages
- Spent $8 million in online advertising; $3 million on Google (Harris)
- $293 million in television advertising (January ‘07 to October ‘08) v $132 million by McCain

Sources: Harris, 2008; Vargas, 2007
Free advertising on YouTube

• ~ 2,000 official YouTube videos
• Official videos watched > 14.5 million hours
• Videos watched > 80 million times
• 6.7 million watched Obama speech on race 442,000 user-generated videos on YouTube
• Videos more effective than television (Trippi)
• Friends refer videos; citizen fact checking
• 14.5 million hrs on television costs $47 million

Web tools to organize volunteers

- Clear political and strategic goals and micro-level planning
- Strategic use of web 2.0 with personalized, detailed directions to volunteers
- Multiple points of entry, multiple opportunities for participation
- Self-organizing networks - with clear direction
- Ask visitors to MyBO to set fund raising goals, chart progress, provide feedback
- 2.9 million sign up for text messaging of VP choice (Harris 2008)
- iPhone app scans address books for contacts in battleground states - ask friends to contact

# Networked Governance: An Enterprise Approach

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Which Agencies Make Grant Awards?

- Dept of Agriculture, USDA
- Dept of Commerce, DOC
- Dept of Defense, DOD
- Dept of Education, ED
- Department of Energy, DOE
- Health & Human Services, HHS
- Housing & Urban Development, HUD
- Dept of Interior, DOI
- Dept of Justice, DOJ
- Dept of Labor, DOL
- Dept of State
- Dept of Transportation, DOT
- Treasury Department
- Veterans Affairs, VA

- Agency for Internatl Dev, USAID
- Corp for Natl Commmty Serv, CNCS
- Environmental Protection Agency, EPA
- Dept of Homeland Security, DHS
- Inst of Museum & Library Service, IMLS
- Natl Aeronautical & Space Admin, NASA
- Natl Archive/Record Admin, NARA
- Natl Endowment - Arts, NEA
- Natl Endowment - Humanities, NEH
- Natl Science Foundation, NSF
- Small Business Admin, SBA
- Social Security Admin, SSA
Steep Rise in Federal Grants

In Billions

CFDA lists more than 800 Federal grant programs

Source: US HHS slide
Driving Costs Down

GrantSolutions.gov

![Graph showing driving costs down]

- Discretionary
- Mandatory

Grant Actions

FY 06  FY 07  +10,000  +10,000

(+HRSA)

$0  $50  $100  $150  $200  $250
Institutional Developments

- Extensive eGov developments from 1993 forward
- Major institutional and legal developments
- Federal Chief Information Officer (CIO)
- Agency CIOs and CIO Council
- OMB Portfolio Management Office – oversight of cross-agency projects; knowledge sharing
- Managing Agencies for cross-agency projects – lead agency approach

Obama Administration

- Open government directive on transparency, participation and collaboration in government
- Broadband internet access nationwide
- Appointed first Federal Chief Technology Officer
- Drive growth by deploying a 21st Century Information Infrastructure (cyberinfrastructure)
- Invest in science and science education
- “Unprecedented openness”

Open Government Initiative

- **Transparency** - accountability, efficiency and economic opportunity through open data and operations

- **Participation** - opportunities for greater and more diverse expertise in decision making

- **Collaboration** -- foster cooperation across departments, levels and with the public (stovepipes, silos)
Welcome to Data.gov

The purpose of Data.gov is to increase public access to high-value, machine-readable datasets generated by the Executive Branch of the Federal Government. Although the initial launch of Data.gov provides a limited portion of the rich variety of Federal datasets presently available, we invite you to actively participate in shaping the future of Data.gov by suggesting additional datasets and site enhancements to provide seamless access and use of your Federal data. Visit today with us, but come back often. With your help, Data.gov will continue to grow and change in the weeks, months, and years ahead.

How to use Data.gov

Data.gov includes searchable data catalogs providing access to data in three ways: through the "raw" data catalog, the tool catalog and the geodata catalog. Please note that by accessing datasets or tools offered on Data.gov, you agree to the Data Policy, which you should read before accessing any dataset or tool. If there are additional datasets that you would like to see included on this site, please click here. For more information on how to use Data.gov, view our tutorial.
More Innovations
CI and People Power: Government of the people, by the people, for the people
Thank you!

www.ncdg.org