

John Crowley
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EDUCATION

Harvard University: John F. Kennedy School of Government

Master of Public Administration (Mid-Career/MPA), 2008

Concentrated on adaptive leadership. Studied systems dynamics and collective intelligence at MIT
Robert C. Seamans, Jr. Fellow in Science, Technology, and Public Policy 2007-08 (full-tuition merit scholarship)

Boston University: The University Professors Program

Master of Arts (MA), History of Ideas (intersection of history of science, mathematics, and music), 1996
Winner, Mellon Prize, 2006

Boston University: School for the Arts

Bachelor of Music (MusB), Cello Performance and History & Literature of Music,
summa cum laude with distinction, 1993
Trustee Scholar (full-tuition four-year merit scholarship)

EXPERIENCE

Consultant, The World Bank Group: Innovation Lab at the Global Facility for Disaster Reduction and Recovery (3.2013–present)

Washington, DC

- **Researched and wrote the Open Data for Resilience Initiative Field Guide**, the World Bank's contribution to the White House Climate Data Initiative. Researched and drafted a how-to guide for open data initiatives to improve disaster risk management, focused on collating existing data, collecting new OpenStreetMap data, and catalyzing an ecosystem of analysts and entrepreneurs around open data. Recruited American Red Cross, OCHA, USAID, UNICEF, and UNISDR as core partners to the guide. Launched at the White House by Vice President of the World Bank for Climate Change in March 2014. Worked with Red Cross Climate Centre on development and delivery of a serious game based on the book.
- **Catalyzed Eboladata.org Open Data Initiative**. Collaborated with UNMEER, American Red Cross, and U.S. State Department to aggregate, cleanse, and open key geographic data sets for the Ebola response. All data is available via web services and open-format downloads via an open-source GeoNode platform.
- **Deployed Yolandadata.org for Typhoon Haiyan**. Developed a partnership between the American Red Cross, US Army Corps of Engineers, US State Department, and LMN Solutions to aggregate and share 72 open data layers about baseline maps and damage assessments after Typhoon Haiyan/Yolanda. Received a Vice President Unit Honors award for this work with the team.

Research Fellow/Affiliate, Harvard Humanitarian Initiative (10.2010–present)

Cambridge, MA

- **Served as Public Policy Scholar at Woodrow Wilson International Center for Scholars.** To help US federal agencies build an interface to crowdsourcing organizations during disasters, researched and wrote the *Connecting Grassroots and Government for Disaster Response* report. Analyzed legal and policy constraints around catalyzing, collating, and applying open data collected from collective intelligences for official government decision making.
- **Drafted Disaster Relief 2.0 Report (2010-11).** On funding from the UN Foundation and in partnership with UN OCHA, led a research team that analyzed how crowdsourcing affected the Haiti earthquake response operation. Recommended protocols to connect the UN-led humanitarian system with crowdsourcing and other grassroots efforts. *Disaster Relief 2.0* catalyzed policy thinking around crowdsourcing in several UN and US government agencies.
- **Researched changes to NATO's humanitarian assistance/disaster response doctrine (2011-present).** On contract from NATO's Joint Assessment and Lessons Learned Center and the Harvard Medical School, researching five major operations (with field work in Haiti, Kosovo, Afghanistan, DRC, and the Philippines). Co-authored advice to new NATO doctrine for complementing humanitarian operations, centered on health sector augmentation, logistics, disaster risk reduction, and information sharing.

Curator, Camp Roberts Humanitarian Field Experiments (Information Sharing Analyst)

National Defense University Center for Technology and National Security Policy (10.2010–10-2013)

Washington, DC

- **Co-founded the RELIEF Camp Roberts Field Experiments (2009-present).** Working in an open innovation partnership between the Naval Postgraduate School and the National Defense University, adapted existing quarterly experimentation program to meet the needs of humanitarian information management practices and tackle challenges in civilian-military coordination. Convened key leaders in open-source technology and private industry around shared problems in imagery processing, mapping, crowdsourcing, unmanned autonomous systems (drones), and radio communications. Projects developed at Camp Roberts have been deployed in Afghanistan, Haiti, Burma/Myanmar, and Somalia.
- **Catalyzed first imagery workflow from US Government to crowdsourcing organizations (2010-14).** Facilitating a partnership between the Department of State and the Humanitarian OpenStreetMap team, designed the first legal framework to allow unclassified data to flow from the US federal government to OpenStreetMap and other volunteer/technical communities. Implemented the framework to allow densification of mapping data in the famine-affected regions of the Horn of Africa. Assisted transition of prototype to the current Imagery to the Crowd policy at hiu.state.gov and the MapGive.state.gov platform.
- **Created crowdsourced post-disaster damage assessment method for Hurricanes Sandy and Isaac.** Facilitated the partnership between FEMA, Civil Air Patrol, and the Humanitarian OpenStreetMap Team to build the Sandy MapMill process to crowdsourcing aerial images captured by Civil Patrol and categorize levels of damage via collective intelligence. Supervised the workflow by which 5000 volunteers processed 35,000 images in 5 days.

Independent Consultant and Technologist (7.2001–present)

Cambridge, MA

- **Advisor, Humanitarian Exchange Language.** Serving on an 8-member working group to design the HXL standard for the UN Office for the Coordination of Humanitarian Affairs and the international humanitarian system, including the data library, markup language, and tagging standards.
- **Served on the World Humanitarian Summit Expert Panel (2014-15).** Invited to serve as 60-member experts panel around the world's first summit to rethink humanitarian aid, including working groups in Innovation and Understanding Risk. Co-wrote paper on humanitarian's use of risk data and models to drive operational decisions.
- **Catalyzed information sharing during Haiti disaster response operations (2010).** Working with the National Defense University, supported crowdsourcing communities in their response efforts for Haiti. Led a team of open-source developers to U.S. Southern Command to integrate Ushahidi, GeoCommons, and OpenStreetMap for tracking health facilities in Haiti.
- **Advised new Nepali government on social mobilization (2008).** On contract from the Institute for State Effectiveness, worked with Ashraf Ghani (now President of Afghanistan) and Clare Lockhart to analyze a proposed social-mobilization project to reconnect the Government of Nepal with citizens in rural villages. Interviewed individuals at multiple levels of government, from permanent secretaries to village development council members. Built and documented a systems model for the calculation of block grant allocations to rural communities. Drafted a manual for creating bottom-up development programs via national community programs.
- **Researched collective intelligence for disease surveillance (2008).** Working with the Google.org-funded NGO, InSTEDD, researched the collective sensemaking processes of an emerging framework for pandemic biosurveillance and disaster response.
- **Collaborated on open innovation disaster response laboratory for Strong Angel III (2006).** On grant from the Office of the Secretary of Defense, teamed with 10 international experts to build a copen innovation program around critical problems in disaster response. Served on the 11-person executive committee that hosted an 800-person, 139-organization disaster response demonstration in San Diego, CA. Presented findings to the Pentagon's private IT advisory board (The Highlands Forum) and drafted a report on stability operations that was an input to the Iraq Study Group.
- **Managed America's Best Leaders Project Research (2005-07).** Managed the nomination of candidates and research process to choose honorees for the U.S. News & World Report *America's Best Leaders* project on behalf of David Gergen and the Center for Public Leadership at Harvard. Recruited and convened the high-level selection committee.
- **Developed web sites for humanitarian and research institutions (2001-2007).** Using Drupal, objected-oriented PHP, MySQL, and Perl, developed community web sites and intranets for clients, including the Center for Public Leadership at Harvard University and Harvard Kennedy School of Government Office of Alumni Affairs.

TerraShare.com, Inc. (11.1999–3.2001)

Director, Knowledge Portals and Information Architect (Alexandria, VA)

- **Managed Web operations for online community.** Led the Web and content development operations of a 3000+ page vertical portal and online community (ranked #176 for traffic in Jan 2001 by PC Data). Supervised two full-time employees, three student interns and 100 freelance authors. Note: company and web site closed with burst of Internet bubble.

The Corporate Executive Board (8..1998–10.1999)

Executive Inquiry Research Associate, Working Council for Chief Information Officers (Washington, DC)

- **Performed Intranet Best Practices Research.** Drafted 50-page brief on information architecture and intranet content management. Interviewed CEOs, CIOs, and intranet/knowledge management experts.
- **Created e-Business Case Studies.** Researched the e-business strategies of large incumbent corporations. Identified best practices in channel management, funding, and revenue and organizational models.

PUBLICATIONS

Disaster Risk Management and Humanitarian Assistance and Disaster Response

- *Open Data for Resilience Initiative Field Guide.* John Crowley. Washington, DC: The World Bank Group (March 2014). <http://www.worldbank.org/en/news/feature/2014/03/19/field-guide-explores-open-data-innovations-for-disaster-risk-and-resilience>.
- *Connecting Grassroots and Government for Disaster Response:* John Crowley. Washington, DC: Woodrow Wilson International Center for Scholars (Oct 2013).
- *Disaster Relief 2.0: The Future of Information Sharing in Humanitarian Operations.* John Crowley and Jennifer Chan. Washington, DC and Berkshire, UK: UN Foundation and Vodafone Foundation (March 2011).
- *Research and Analysis Project for Unclassified Information Sharing in Afghanistan: A Model for U.S. Military and Coalition Commanders, the U.S. Intelligence Community, and U.S. Homeland Security.* John Crowley, Jenn Gold, Rebecca Linder, Dave Warner, and Taylor Wilkenson. Washington, DC: National Defense University Center for Technology and National Security Policy (February 2011).
- *Stability, Security, Transition, and Reconstruction Operations: Observations and Recommendations from the Field.* John Crowley, Paul Currion, Eric Frost, John Graham, Pete Griffiths, Doug Hanchard, Sanjana Hattotuwa, Brooks King, Robert Kirkpatrick, Clare Lockhart, Gay Mathews, Suzanna Mikawa, Eric Rasmussen, Nigel Snode, Brian Steckler, and David Warner. Strong Angel (November 2006, input to Iraq Study Group).

Law and Governance

- “Napster’s Second Life: The Regulatory Challenges of Virtual Worlds.” Viktor Mayer-Schönberger and John Crowley. *Northwestern University Law Review* 100 (2006): 1775-1826.

Knowledge Management

- *Knowledge Management Intranets. Basic Principles of Information Architecture.* John Crowley, Matt McWha, Chris Miller, Vikram Capoor, and Jaime M. Capellá. Working Council for Chief Information Officers, Corporate Executive Board (February 2000).
- *Organizing for E-Business: Models for Corporate Incumbents.* Chris Miller, Vikram Capoor, Jaime M. Capellá, Kaori Ogino, Bob Feit, John Crowley, and Andrew Horne. Working Council for Chief Information Officers, Corporate Executive Board (July 1999).

OpEd Pieces

- *Releasing 911 Sandy Hook Tapes Retraumatizes Newtown.* New York: TIME (5 Dec 2013). <http://ideas.time.com/2013/12/05/releasing-911-sandy-hook-tapes-retraumatizes-newtown/?iid=op-main-lead>

- *Stop Catastrophizing Relief Efforts in the Philippines*. New York: TIME (14 Nov 2013). <http://ideas.time.com/2013/11/14/stop-catastrophizing-relief-efforts-in-the-philippines/>
- *Neo-Humanitarians: Technology and the Future of Humanitarian Aid*. *Huffington Post* (28 March 2011) http://www.huffingtonpost.com/john-crowley/neohumanitarians-technolo_b_841202.html

LANGUAGES

English (native). French (basic). German (basic). Spanish (basic).

TECHNICAL SKILLS

OpenStreetMap, GeoNode, Ushahidi, Jekyll/Ruby, Drupal Web Developer (including object-oriented coding in PHP/MySQL on Linux/MacOSX/Windows), Git/Github. Productivity: Microsoft Office (including XSLT manipulation of underlying XML formats); Adobe Creative Suite (Photoshop, Illustrator, InDesign, Flash/ActionScript, and Acrobat). System Dynamics: Vensim. Social Network Analysis: NodeXL, UCINET and NetDraw.