

WBI Keys4Innov in association with the Global Facility for Disaster Reduction and Recovery

**Developers for Development:
Using Open Source Technologies in Disaster Response and Beyond
Monday, March 1
2:00 p.m. to 4:00 p.m.
H Auditorium**

The weblink for this event is <http://bit.ly/aCyWLB>
Additional material will be posted there.

To share your thoughts, questions and reactions, please go to Facebook Keys4Innov

Links for Monday's webcast: (They will **not** work until Monday March 1, afternoon)

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| mms://wbmswebcast1.worldbank.org/live | for English |
| mms://wbmswebcast4.worldbank.org/live | for French |
| mms://wbmswebcast4.worldbank.org/live1 | for Spanish |

The following contains live weblinks to facilitate easy access to more detailed information on organizations and presentations.

This is the second in a discussion series on Keys for Innovation sponsored by the World Bank Institute's new Innovation Practice. The session focuses on how innovative grassroots technology movements are changing the landscape of disaster response and governance. Live demonstrations are presented of the software that groups such as Crisis Commons, Random Hacks of Kindness, Ushahidi, Crisis Mapping, and the GEO CAN have been using in Haiti and Kenya. Experts and developers share examples of how they have been working with the World Bank to identify key challenges in the Haiti disaster management and show how they have developed dynamic solutions that are implemented in days and hours by volunteers. The discussion also looks at how these new tools and approaches can be applied to other urgent development challenges such as climate change and human development.

Aleem Walji (Co-Chair)

Practice Manager, Innovation Team

The World Bank

[Aleem Walji](#) is the Practice Manager of World Bank Institute's [Innovation Team](#) (WBIIN). WBIIN is the new home of the Development Marketplace, a ten-year old initiative that has distributed over \$61 million to ## early stage innovative solutions to reduce poverty. Aleem recently served as a Head of Global Development Initiatives at Google.org, with a focus on eastern Africa. Aleem has been involved with supporting the growth of small and medium-size enterprises in Tanzania and Ghana, increasing their access to finance. He has led efforts related to increasing transparency and accountability in governance in Uganda, Tanzania, and Kenya. Before that, Aleem was CEO of the Aga Khan Foundation in Syria. His particular interests lie in rural economic development, entrepreneurship, and public-private

partnerships. He is a graduate of Emory University and the Massachusetts Institute of Technology. He completed his bachelor's degree in Near Eastern Studies and Anthropology and his master's degree in International Development and Regional Planning.

Francis Ghesquiere (Co-Chair)

Lead Disaster Risk Management Specialist

The World Bank

Francis Ghesquiere is currently leading the World Bank response to the January 12 earthquake in Haiti and is representing [GFDRR](#). A Lead Disaster Risk Management Specialist, he is the Regional Coordinator for Disaster Risk Management program of the World Bank in Latin America and Caribbean Region. He is currently managing a portfolio of more than 30 projects dealing with disaster prevention, risk financing and emergency reconstruction. Francis was the lead manager in the establishment of the Caribbean Catastrophe Risk Insurance Facility (CCRIF), which provides CARICOM governments with financial coverage against hurricane and earthquake losses. He is currently leading a number of innovative projects, including the Central America Catastrophe Probabilistic Risk Assessment (CAPRA) and the development of risk models in the Caribbean. Before joining the Bank in 2000, Francis worked for eight years as a management consultant for Fortune 500 companies and governments in Europe, Asia and the Americas. Francis holds a Master Degree from Harvard University and an Engineering Degree from the University of Louvain, Belgium. He also studied Finance and Economics at New York University, ESADE Barcelona and HEC Paris.

Edith Wilson (Moderator)

Advisor, Innovation Practice

The World Bank

Edie Wilson is currently working on ways to deploy strategic communication, social media, knowledge and partnerships to accelerate the speed and deepen the impact of innovation in international development. Edie is an Advisor to the new Innovation Practices in the World Bank Institute, now the home of the Development Marketplace. Her mantra is "Communication is Innovation". She's worked in senior positions in civil society, private sector and government. For the past ten years at the World Bank, her work has included focused on multi-stakeholder engagement, global consultations on issues such as climate change and access to information, governance and anti-corruption, and building coalitions for economic reform. She holds a Masters in public administration from Harvard's Kennedy School of Government and a B.A. from Bryn Mawr College.

Michele de Nevers (Discussant)

Senior Manager, Environment Department

The World Bank

As Senior Manager in the World Bank's Environment Department, Michele de Nevers manages programs on climate change, biodiversity, land use, forestry, pollution control and abatement, and environmental analysis. She joined the World Bank's Industrial Development programs in the South Asia region in 1981 and other assignments have included: Environmental Programs Team Leader in Latin America; Sector Manager for environment in the Europe and Central Asia Region; and Manager and Director in the World Bank Institute on Environment and Capacity Development programs. Michele was the first coordinator for the Global Environment Facility and was instrumental in launching the World Bank's

greening and corporate social and environmental reporting initiatives. She holds a master's degree in Management and Finance from MIT and a bachelor's degree from the University of California, Berkeley.

Stuart Gill (Discussant)

Disaster Risk Management Specialist

The World Bank

Stuart Gill currently works for the Disaster Risk Management team in LCR. During his time at the World Bank, Stuart has worked primarily on the development of Spatial Data Infrastructure for Guatemala, and on innovation for the Central American Probabilistic Risk Assessment initiative (CAPRA). As a result, Stuart has been heavily engaged with the Crisis Commons community over the last year. Within the framework of CAPRA, in partnership with InfoDev, Stuart is also working to assist the Guatemalan government to use OpenStreetMap (OSM) within their risk reduction strategy. In addition, he is the Bank's lead for the Random Hacks of Kindness (RHoK) initiative - a partnership with Google, Microsoft, Yahoo!, NASA and the World Bank. Currently Stuart is heading the Bank's aerial data collect and GEO-CAN damage assessment in Haiti. Prior to joining the World Bank, Stuart researched and taught in the Astrophysics department of Columbia University, New York.

PANELISTS

Heather Blanchard

CrisisCommons

Heather is an advocate at heart and a communications expert by trade. During the day, she likes to think of herself as an evangelist within the public sector. Currently, Heather is working on helping government be more collaborative, participatory and transparent through the adoption of Web 2.0 technology (which she thinks is super cool). Her driving passion centers around helping people be better connected during times (and places) of crisis. Heather has spent several years as a preparedness maven who loves to talk about how families, businesses and schools (and yes, even herself) can be better prepared for a crisis. heatherleeblanchard@gmail.com

About CrisisCommons

CrisisCommons brings together domain experts, developers, and first responders to develop technology and practices for humanitarian crisis management and disaster relief. CrisisCommons is part of a global movement that unites volunteers, academia, non-profits, companies and government officials in sharing best practices and lessons learned to advocate for further use of technology and telecommunications to assist citizens and communities during crisis. Founded in March 2009 through an impromptu meetup of Twitter users at the Government 2.0 Camp, a small band of idealists and innovators gathered to discuss the idea of a creating a common community through a mash-up of citizen volunteers, crisis response organizations, international humanitarian relief agencies, non-profits and the private sector. <http://www.crisiscommons.org/>

About CrisisCamp

CrisisCamp is an open, collaborative event held in "[barcamp](#)" style, to provide local and international responders, Haitian community leaders and non-governmental organizations an opportunity to engage with operations on the ground in Haiti. Tools and resources created by CrisisCamp volunteers can enhance responders' decision-making capability, transparency and collaboration. It has brought together technology volunteers in six countries across numerous cities to provide local opportunities for

citizens to assist in activities such as crisis mapping, data and RSS feed aggregation. In addition, people with specialized skills such as translation, computer programming and literacy advocates are encouraged to participate.

Ronald T. Eguchi,

Global Earth Observation – Catastrophe Assessment Network (GEO CAM)

Ronald T. Eguchi is President and CEO of [ImageCat, Inc.](http://imagecatinc.com), (<http://imagecatinc.com>), a risk management company specializing in the development and use of advanced technologies for risk assessment and reduction. Mr. Eguchi has over 30 years of experience in risk analysis and risk management studies. He has directed major research and application studies in these areas for government agencies and private industry. He has authored over 250 publications, many of them dealing with the seismic risk of utility lifeline systems and the use of remote sensing technologies for disaster response. rte@imagecatinc.com

About GEO CAM

Geo Cam was initiated by the World Bank and was supported by the Global Facility for Disaster Reduction and Recovery (GFDRR). It mobilized scientists and technical experts around the world to help assess the impacts of the earthquake in Haiti. The initiative will estimate and classify building damage based on high resolution aerial imagery in areas severely affected by the earthquake, including Port-au-Prince.

The World Bank and GEO-CAN are working in a joint mission to collect, process, and analyze very high resolution optical, thermal infra-red, topographic images allowing detailed visualization of houses, public buildings, cars, vegetation, and even people. At present, up to 103 organizations, including universities, governmental and non-governmental entities and private sector companies, have joined the GEO-CAN community. Contributors come from 20 countries, including the United States, Austria, Barbados, Canada, China, Costa Rica, Finland, Japan, India, Iran, Italy, Mexico, Netherlands, Poland, Portugal, Turkey, United Kingdom, Germany, Spain, and Sudan.

Ory Okolloh

Ushahidi

Ms. Ory Okolloh is a co-founder and Executive Director of Ushahidi. She is also the co-founder of [Mzalendo](#), a website that tracks the performance of Kenyan Members of Parliament, She was previously a summer associate in [Covington & Burling](#), Washington DC and a Chayes Fellow at the World Bank's [Department of Institutional Integrity](#).

She is a frequent speaker at conferences including [TED Global](#) and [PopTech](#) on issues around citizen journalism, the role of technology in Africa, & the role of young people in reshaping the future of Africa. Ory graduated summa cum laude with a B.A. degree in Political Science from the [University of Pittsburgh](#), and graduated with a J.D. from [Harvard Law School](#). She also writes one of the most popular blogs in the Kenyan sphere: [Kenyan Pundit](#). She is currently based in Johannesburg, South Africa. ookolloh@post.harvard.edu,

About [Ushahidi](#)

Ushahidi, which is Swahili for “testimony,” is an innovative platform that crowd-sources crisis information and was initially developed to map reports of violence in Kenya after the post-election fallout at the beginning of 2008. Since then, the platform has been open-sourced and is available for

free for anyone to download. It allows anyone to share information via the web, email, or SMS and visualize it on a map or timeline. Ushahidi was recently used to track reports in the aftermath of the earthquake in Haiti. Other notable deployments of Ushahidi include election monitoring in India, Lebanon, Mexico and Afghanistan among others; tracking the stockouts of essential medicines in Eastern Africa; and tracking environmental degradation in Madagascar. <http://www.usahidi.com/about>

Schuyler Erle

Open Street Map

Schuyler Erle is a long-time Free Software developer and activist. He co-wrote /Mapping Hacks/ and /Google Maps Hacks/ for O'Reilly Media, and co-created OpenLayers and TileCache, two widely used Open Source GIS tools. He lives in New York City, where he works as a technology consultant. schuyler@entropyfree.com

About OSM: Open Street Map

Open Street Map has been a model of distributed collaboration, with basically no one calling the shots, while a thousand people painstakingly build a map database of Haiti drawn from aerial and satellite imagery that's so detailed that the Ushahidi volunteers have to ask for a simpler version. The humanitarian applications of Geographic Information Systems may truly come of age as a result of this disaster. "OpenStreetMap really *has* become the gold standard for base map data in the relief and recovery effort in Haiti. <http://www.openstreetmap.org/>

Patrick Svenburg

Random Hacks of Kindness

Patrick Svenburg works as Senior Manager, Developer & Platform Evangelism within Microsoft's Public Sector Division. His team is responsible for driving early adoption and awareness of next-generation technologies among customers and partners with a focus on the developer and technical architect communities. He is particularly passionate about technologies related to open government, cloud computing and social media. Patrick is a founding member of "Random Hacks of Kindness," a collaborative effort between industry leaders Microsoft, Yahoo!, and Google, the World Bank and NASA seeking to harness the power of the global volunteer technical community (VTC) to create interoperable solutions and approaches to mitigate the impact of disasters. He has over 15 years' experience within the international software industry and has previously held executive positions at Precise Biometrics, Oracle Corporation and the Swedish Trade Council. Mr. Svenburg holds a Master's degree from Lund University School of Economics & Management and a Bachelor's degree from the Stockholm University School of Business. He was born in Stockholm, Sweden and he resides in Arlington, VA with wife and 4 children. psv@microsoft.com

About [Random Hacks of Kindness \(RHoK\)](#) - Hacking for humanity

RHoK is an initiative that brings together disaster relief experts and software engineers to use technology to make the world a better place by building a community of innovation to mitigate the impacts of disasters. The seed of RHoK was planted during an industry panel where representatives from Microsoft, Google and Yahoo! joined forces to mobilize developer communities to create

interoperable solutions/code that will have real impact in the field. It took the involvement of The World Bank and soon after NASA to make the 5-way partnership a reality and RHoK held their initial hackathon in Silicon Valley in November 2009. <http://www.opennasa.com/2009/11/13/random-hacks-of-kindness/>