BUILDING RESILIENCE
through INNOVATION

CRS
CATHOLIC RELIEF SERVICES

2014
ICT4D
CONFERENCE

NAIROBI KENYA MARCH 25-28 2014

TUESDAY, 25 MARCH

Time	Session	Location
7:00am – 8:30am	**Registration**	REGISTRATION TABLE

8:30am – 9:30am	**Welcome and Introductions**
	CRS Leadership Team
	    Michele Broemmelsiek, *Vice President, Overseas Operations*
	    Carol Bothwell, *Vice President and CIO*
	    David Orth-Moore, *Regional Director, East Africa*
	Government of Kenya
	    Dr. Fred Matiang'i, *Cabinet Secretary for Information, Communication and Technology*
		JAMBO HALL

9:30am – 10:00am	**Keynote Address** **Remolding M4D: A Vision towards Inclusive Digital Development** Christopher M. Burns, *USAID*	JAMBO HALL
10:00am – 10:30am	**Keynote Address** **Building Resilience through ICT4D** Shaun Ferris, *Catholic Relief Services*	JAMBO HALL
10:30am – 11:00am	**Break and Exhibits**	JAMBO FOYER
11:00am – 11:30am	**Breakout Presentation 1**	BREAKOUT ROOMS
11:30am – 12:00pm	**Breakout Presentation 2**	BREAKOUT ROOMS
12:00pm – 12:30pm	**Breakout Presentation 3**	BREAKOUT ROOMS
12:30pm – 1:30pm	**Lunch**	NYAMA CHOMA RANCH
1:30pm – 2:00pm	**Breakout Presentation 4**	BREAKOUT ROOMS
2:00pm – 2:30pm	**Breakout Presentation 5**	BREAKOUT ROOMS
2:30pm – 3:00pm	**Breakout Presentation 6**	BREAKOUT ROOMS
3:00pm – 3:30pm	**Break and Exhibits**	JAMBO FOYER
3:30pm – 4:00pm	**Breakout Presentation 7**	BREAKOUT ROOMS
4:00pm – 4:30pm	**Breakout Presentation 8**	BREAKOUT ROOMS
4:30pm – 6:30pm	**Exhibits & Reception** *Reception sponsored by the SalesForce Foundation*	JAMBO FOYER / MAMTA POOLSIDE

TUESDAY, 25 MARCH

TRACK 1: Agricultural Livelihoods	LOCATION	TRACK 2: Multi-Sector	LOCATION	TRACK 3: Emergency Response, Health and Education	LOCATION
Mapping and Tracking Field Agent Activity: Farmbook Or Dashevsky *Catholic Relief Services*	GIRAFFE 200	**Poimapper: Convenient and Affordable Real-time Data Collection, Monitoring and Evaluation Solution** Caroline Ngugi *Pajat Solutions Ltd.*	GIRAFFE 250	**Information for Action in the Support of Early Child Development** Alastair van Heerden *Human Sciences Research Council*	LION
Using e-Learning to Develop 5 Essential Farmer Skills Suzanne Andrews *Catholic Relief Services*	GIRAFFE 201	**Working Toward a Big Data Future** Chris Reichart *iFormBuilder*	GIRAFFE 251	**Open Source Tools for Health Interventions and Monitoring and Evaluation** Thomas Marentette *University of Notre Dame*	LIONESS
e-Extension Project - Mainstreaming Adoption of ICT Solutions in Extension Services Delivery in Kenya Richard Githaiga *Government of Kenya, Ministry of Agriculture, Livestock, and Fisheries*	GIRAFFE 202	**Collect and Synchronize Field Data using GIS** Clifford Okembo *Esri Eastern Africa*	GIRAFFE 252	**Saving Lives by Using Mobile Applications for Better Health Decisions** Phidelis Suwedi *D-Tree International*	CUB
Using ICT4D to Increase Efficiencies and Cut Costs in Seed Fairs Bijou Kuzimbu *Catholic Relief Services*	GIRAFFE 203	**Mawingu Broadband Access for Rural Kenya** Alison Padget *NetHope*	GIRAFFE 253	**Assessment of Child Development: A Mobile Training Tool for Community Health Volunteers in Kenya** Simon Mbae *AMREF and University of London*	JAMBO A
Dialing up the Future: How Mobile-based Services are Changing the Way We Manage Agriculture Paolo Mele *Esoko Kenya*	GIRAFFE 204	**Yo! Payments - Secure, Interoperable Platform for Digitizing Payments** Gerald Begumisa *Yo Uganda Limited*	GIRAFFE 254	**Mobile Technology for Health e-Vouchers and Mobile based Health Insurance for Health Financing** Sam Agutu *Changamka Microhealth Ltd.*	JAMBO B
Connected Farmer Alliance *TechnoServe*	GIRAFFE 205	**Biometrics and Asset Management Working Together** Henrik Wollesen *Danoffice IT*	GIRAFFE 255	**Using a Web-based Electronic Supply Chain Management System to Ensure a Reliable and Uninterrupted Supply of HIV/AIDS Medicines in Kenya** Antony Mbugua *Plan Kenya*	JAMBO C
Building Smallholder Resilience by Improving 'Value-Add' in Supply Chains: The Community Knowledge Worker Kwasi Donkor *Grameen Foundation*	GIRAFFE 206	**Global MEAL/ICT Platform and How it Works** Michael Matarasso *Catholic Relief Services*	GIRAFFE 256	**Using Tin Can API To Understand and Support Emergency Responder Capacity and Performance** Gretchen Regehr *Catholic Relief Services*	JAMBO D
Water and Agricultural Management using Satellite data and Smart-ICT in an Emerging Spate Irrigation System in Gash Catchment, Sudan Giriraj Amarnath *International Water Management Institute (IWMI)*	GIRAFFE 207	**Magpi: Fast, Easy Mobile Data for Health, Agriculture, Education, Conservation, Commerce and More! Now with Integrated SMS and Audio Messaging!** Yusuf Ibrahim *DataDyne*	GIRAFFE 257	**Bridge International Academies: Disrupting the Way the World Learns** Marie Leznicki *Bridge International Academies*	JAMBO E
Adoption of Farmbook Technology by Extension Agents in Africa: Challenges and Opportunities for the Future Joyous S. Tata and Paul E. McNamara *University of Illinois Department of Agricultural and Consumer Economics*	GIRAFFE 208	**The Power of Mobile Money and the Mundane: Training Expenses, Per Diems, Travel and Payroll** Evelyn Namara *Beyonic*	GIRAFFE 258		
CommTrack: Mobile Logistics to Improve Last Mile Supply Chains Fiorenzo Conte *Dimagi, Inc.*	GIRAFFE 209	**CRS Partnership Scorecard: the Solution, the Problem Being Solved, and the Benefits Derived from its Use** Linda Gamova *Catholic Relief Services*	GIRAFFE 259		
Mobile Weather Alert Project: Building Resilience through Innovation Gilbert Byarugaba Agaba *Grameen Foundation*	GIRAFFE 210	**Geography as a Platform for Collaboration** Michael Ruth *Esri*	GIRAFFE 260		
Mobile Agriculture Services that Build Resilience Maggie McDonough *Souktel Inc.*	GIRAFFE 211	**Use of UAV's in the NGO World** Jesper Pedersen *Dan Office IT*	GIRAFFE 261		

WEDNESDAY, 26 MARCH

Time	Event	LOCATION
8:00am – 8:30am	**Exhibits**	JAMBO FOYER
8:30am – 9:15am	**Award Ceremony** **Esri Story Map Challenge Award** **Farmbook Business Planner Challenge Award**	JAMBO HALL
9:15am – 10:00am	**Keynote Address** **ICT Entrepreneurship in Africa** Dr. Bitange Ndemo, *University of Nairobi*	JAMBO HALL
10:00am – 10:30am	**Keynote Address** **Mobile Technology and the Banking Industry** Geoffrey Gursel, *Citibank*	JAMBO HALL
10:30am – 11:00am	**Break and Exhibits**	JAMBO FOYER
11:00am – 11:30am	**Breakout Presentation 1**	BREAKOUT ROOMS
11:30am – 12:00pm	**Breakout Presentation 2**	BREAKOUT ROOMS
12:00pm – 12:30pm	**Breakout Presentation 3**	BREAKOUT ROOMS
12:30pm – 1:30pm	**Lunch**	NYAMA CHOMA RANCH
1:30pm – 2:00pm	**Breakout Presentation 4**	BREAKOUT ROOMS
2:00pm – 2:30pm	**Breakout Presentation 5**	BREAKOUT ROOMS
2:30pm – 3:00pm	**Breakout Presentation 6**	BREAKOUT ROOMS
3:00pm – 3:30pm	**Break and Exhibits**	JAMBO FOYER
3:30pm – 4:00pm	**Breakout Presentation 7**	BREAKOUT ROOMS
4:00pm – 4:30pm	**Breakout Presentation 8**	BREAKOUT ROOMS
4:30pm – 6:30pm	**Exhibits**	JAMBO FOYER
6:30pm – 9:30pm	**Dinner and Safari Cats & Acrobats Show**	NYAMA CHOMA RANCH

WEDNESDAY, 26 MARCH

TRACK 1: Agricultural Livelihoods	LOCATION	TRACK 2: Multi-Sector	LOCATION	TRACK 3: Emergency Response, Health and Education	LOCATION
Mobile Job Matching to Promote Development and Resilience Maggie McDonough *Souktel Inc.*	GIRAFFE 200	**The "3-2-1" Information Service – A Search Engine for Those Without Access to the Internet** David McAfee *Human Network International*	GIRAFFE 250	**Community Health Workers and mHealth: Health Systems Strengthening Approaches from Uganda** Samuel Ronald Busiku *Malaria Consortium*	LION
Key Factors of Significant Change Through ICTs in Climate Adaptive Agriculture in Bangladesh Mokhlesur Rahman Sagar *Practical Action Bangladesh*	GIRAFFE 201	**Building Knowledge Management Tools for Resilience Programming in Ethiopia** Evaline Diang'a Eric Muchugu *Kimetrica LLC*	GIRAFFE 251	**Using the M-Pesa Pay Bill Service in Emergency Response** Jack Kaburu *Catholic Relief Services*	LIONESS
E-business, Health Outcomes and Women Traders in Horticultural Value Chains Olivia Muza *Independent Consultant*	GIRAFFE 202	**Digital Data for Partners Building Resilient Communities: Lessons, Challenges and Results from a Sustainable Livelihoods ICT4D Pilot in Malawi** Maria Collison *Trócaire*	GIRAFFE 252	**"The Phone Won't Work!"—Practical Ways to Support Low Literate Mobile Users** Jaya Menon & Jeffrey Jose *Catholic Relief Services*	CUB
Using Mobile Phone Technology to Provide Ag Extension Services through the Community Knowledge Workers Approach Goeffrey Mabirizi Nsereko *Lutheran World Relief*	GIRAFFE 203	**UNICEF and ICT4D: Improving Lives in Eastern and Southern Africa** Georgia Hill UNICEF Eastern & Southern Africa *Regional Office*	GIRAFFE 253	**Development of mHealth in Sierra Leone to Monitor and Evaluate the Equitable Distribution of Health Services** Mary Hodges *Helen Keller International*	JAMBO A
Prep-Eez's eAgriculture for West Africa Frederick Kobbyna Acquaah *Prep-Eez Tech Ltd.*	GIRAFFE 204	**Know Where Your Stuff is---CRS' Supply Chain Management System is Here for You!** Nicole S. Balliette *Catholic Relief Services*	GIRAFFE 254	**Open Space Literacy - An Innovative Solution to Integrated Learning in Kenya** Purity Mbugua *Plan Kenya*	JAMBO B
Leveraging Social Networks for Agricultural Extension in Africa Vinay Kumar *Digital Green*	GIRAFFE 205	**Electricity for ICT4D - Estimating the Cost of Reliable Electricity from Grid Extension and Distributed Energy Resources** Patrick Murphy *University of Notre Dame*	GIRAFFE 255	**cStock: Partnering for Scale to Treat Children and Save Lives in Malawi** Yasmin Chandani *John Snow Inc., SC4CCM Project*	JAMBO C
Designing mAgriculture Services to Meet Demand from Farmers Victoria Clause *GSMA Mobile for Development*	GIRAFFE 206	**KnowledgePoint, an Online, Collaborative and Cross-Organizational Advisory Service for Communities Affected by Humanitarian Crises** Timothy Kent *KnowledgePoint*	GIRAFFE 256	**Combating Human Trafficking in Albania through Mobile Technology** Alison Padget *NetHope*	JAMBO D
Smart Value Chains: Using Smartphone and GIS Technology to Increase Control and Transparency of Agricultural Value Chains Benedikt Brenke *Deutsche Gesellschaft für Internationale*	GIRAFFE 207	**ICT4Evaluation: Use of iFormBuilder and Zoho Reports to Evaluate Impact of the Child Behind Project** Yared Gebremichael Gregory Makabila *Catholic Relief Services*	GIRAFFE 257	**Beyond Data Silos in Emergency Response** Frank Schott *NetHope*	JAMBO E
Rural GSM Solution Jane Haynes *Africa Connect*	GIRAFFE 208	**Doing Mobile Right: Balancing Human Interaction and Technology** Zoe Cohen *Echo Mobile*	GIRAFFE 258		
The Role of ICT in Improving Livelihoods: Digital Jobs that Transform Lives Radha Basu and Monalisa Banerjee *iMerit*	GIRAFFE 209	**Re-engineering Programs using Geographic Information Systems-Story telling a Case of Homa Bay** Eunice Kirii *Plan International, Inc.*	GIRAFFE 259		
The International Rescue Committee – Microfranchise Programs for Youth Barri Shorey *International Rescue Committee*	GIRAFFE 210	**Enhancing ECCD via Mobile Video Technology** Remmy Ojara George Akena *Plan Uganda*	GIRAFFE 260		
Haiti: Increase our Partners' Capacities to be Resilient in ICT (M2M program) Sony Belizaire *Catholic Relief Services*	GIRAFFE 211	**More than an iPad Mini** Vatvisa Keosalivong *Catholic Relief Services*	GIRAFFE 261		

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THURSDAY, 27 MARCH

		LOCATION
8:00am – 8:30am	**Exhibits**	JAMBO FOYER
8:30am – 9:00am	**Keynote Address** **ICT in the 21st century NGO** Trip Allport *Accenture Development Partnerships*	JAMBO HALL
9:00am – 9:30am	**Keynote Address** **Frugal Innovation and Impact Investing** Radha Basu *iMerit and Santa Clara University*	JAMBO HALL
9:30am – 10:00am	**Keynote Address** **The Power of Inclusive Electronic Payments** Christopher Burns AND Claudia McKay *USAID-CGAP*	JAMBO HALL
10:00am – 10:30am	**Break and Exhibits**	JAMBO FOYER
10:30am – 11:30am	**Master Class Session 1 or Executive Session**	BREAKOUT ROOMS
11:30am – 12:30pm	**Master Class Session 2 or Executive Session**	BREAKOUT ROOMS
12:30pm – 1:30pm	**Lunch**	NYAMA CHOMA RANCH
1:30pm – 2:30pm	**Master Class Session 3 or Executive Session**	BREAKOUT ROOMS
2:30pm – 3:30pm	**Master Class Session 4**	BREAKOUT ROOMS
3:30pm – 4:00pm	**Break and Exhibits**	JAMBO FOYER
4:00pm – 5:00pm	**Master Class Session 5**	BREAKOUT ROOMS
5:00pm – 6:00pm	**Exhibits**	JAMBO FOYER

THURSDAY, 27 MARCH

Master Class Sessions

Master class sessions will be held throughout the day. Classes will be repeated. Participants will need to choose 5 master classes in which they would like to participate. Presentation rooms will accommodate up to 30 people at a time.

MASTER CLASS: Sessions 1 and 2	LOCATION	MASTER CLASS: Sessions 3 and 4	LOCATION	MASTER CLASS: Session 5	LOCATION
Sustainable Mobile Engagement Systems for Community Resilience - the FrontlineSMS Approach Kelly Church *Social Impact Lab / Frontline SMS*	LION	**Sustainable Mobile Engagement Systems for Community Resilience - the FrontlineSMS Approach** Kelly Church *Social Impact Lab / Frontline SMS*	LION	**Mobile Technology for Field Force Management, M&E and Data Collection** Howard Sherman *Grameen Foundation (TaroWorks)*	LION
Do-it-Yourself Data Collection with DataWinners.com David McAfee *Human Network International*	LIONESS	**Educating Youth and Women for IT Related Jobs** Radha Basu *iMerit*	LIONESS	**Do-it-Yourself Data Collection with DataWinners.com** David McAfee *Human Network International*	LIONESS
Self Service Mapping and Geospatial Analysis with ArcGIS Online Mike Ruth Steve Hellen *Esri-Catholic Relief Services*	CUB	**Self Service Mapping and Geospatial Analysis with ArcGIS Online** Mike Ruth Steve Hellen *Esri-Catholic Relief Services*	CUB	**Self Service Mapping and Geospatial Analysis with ArcGIS Online** Mike Ruth Steve Hellen *Esri-Catholic Relief Services*	CUB
Generating Bar-coded ID cards for Beneficiaries Ognen Plavevski *Catholic Relief Services*	JAMBO A	**Automating National Surveys: Planning for Large-Scale Digital Data Collection** Emily Bostick *Catholic Relief Services*	JAMBO A	**Generating Bar-coded ID cards for Beneficiaries** Ognen Plavevski *Catholic Relief Services*	JAMBO A
Dashboard and Reporting Tools for Monitoring and Evaluation Or Dashevsky *Catholic Relief Services*	JAMBO B	**Dashboard and Reporting Tools for Monitoring and Evaluation** Or Dashevsky *Catholic Relief Services*	JAMBO B	**Dashboard and Reporting Tools for Monitoring and Evaluation** Or Dashevsky *Catholic Relief Services*	JAMBO B
Farmbook ICT for Agriculture: Distance Learning Suzanne Andrews *Catholic Relief Services*	JAMBO C	**Farmbook ICT for Agriculture: Business Planning** Suzanne Andrews *Catholic Relief Services*	JAMBO C	**Farmbook ICT for Agriculture: Map and Track** Suzanne Andrews *Catholic Relief Services*	JAMBO C
Mobile Technology for Field Force Management, M&E and Data Collection Howard Sherman *Grameen Foundation (TaroWorks)*	JAMBO D	**MOTECH Platform** David Hutchful *Grameen Foundation*	JAMBO D	**MOTECH Platform** David Hutchful *Grameen Foundation*	JAMBO D
Using the mHealth Planning Guide: Key Considerations for Integrating Mobile Technology into Health Programs Heidi Good Boncana *Johns Hopkins Bloomberg School of Public Health, Center for Communication Programs*	MOUNT KENYA A	**Panel: ICT4D Adoption Strategies and Lessons Learned** Facilitated by Kelly Keisling *NetHope*	MOUNT KENYA A	**CRS Staff Only: Overview of SCMS Deployment Plans** Nicole S. Balliette *Catholic Relief Services*	MOUNT KENYA A
Fit-for-Purpose ICT: Digital Data Collection at Oxfam Laura Eldon Ciara Cribben Kebede Eticha *Oxfam*	MOUNT KENYA B	**For Program Managers: Shifting from Cash to Electronic Payments: Nuts and Bolts** Christopher Burns Hamilton McNutt Marcella Willis *USAID-NetHope*	MOUNT KENYA B	**Enhancing the Resilience of CHWs to Deliver Quality Services through the Use of Mobile Health and Electronic Payments: a Kenyan Experience** Introduced by Marcella Willis *NetHope*	MOUNT KENYA B

		MASTER CLASS: Session 4	LOCATION	MASTER CLASS: Session 5	LOCATION
		A Conversation: How Can Donors and Implementers Work Together to Accelerate Adoption of Best Practice Principles in ICT4D Charley Johnson Nirant Gupta, *USAID- Bill and Melinda Gates Foundation*	MOUNT KENYA D	**CRS Staff Only: Global MEAL/ICT Platform Rollout Strategy** Michael Matarasso *Catholic Relief Services*	MOUNT KENYA D

EXECUTIVE SESSION

10:30am – 11:00am	**Furthering the Use of ICT for International Development** David Orth-Moore *Catholic Relief Services*	MOUNT KENYA D
11:00am – 11:30am	**How to Embed ICT4D Guidance and Best Practices in Programs** Charley Johnson, *USAID* Nirant Gupta, *Bill and Melinda Gates Foundation*	MOUNT KENYA D
11:30am – 11:40am	**Introduction to Breakout and Panel** Lauren Woodman *NetHope*	MOUNT KENYA D
11:40am – 12:30pm	**Breakout Discussion: Accelerating Use of ICT for International Development**	MOUNT KENYA D
12:30pm – 1:30pm	**Lunch**	NYAMA CHOMA RANCH
1:30pm – 2:30pm	**Panel Debrief** *Facilitated by Lauren Woodman*	MOUNT KENYA D

FRIDAY, 28 MARCH

Time	Session	Location
8:00am – 8:30am	**Exhibits**	JAMBO FOYER
8:30am – 9:30am	**Keynote Address** **Applying a Geographic Approach to Your Programs** Andrea Huber, *Esri*	JAMBO HALL
9:30am – 10:00am	**Keynote Address** **The NetHope Solution Center - Technology in Development: Find, Learn and Share** Jack Levy, *NetHope*	JAMBO HALL
10:00am – 10:30am	**Break and Exhibits**	JAMBO FOYER
10:30am – 11:00am	**Industry Talks – Session 1**	BREAKOUT ROOMS
11:00am – 11:30am	**Industry Talks – Session 2**	BREAKOUT ROOMS
11:30am – 12:00pm	**Industry Talks – Session 3**	BREAKOUT ROOMS
12:00pm – 12:30pm	**Industry Talks – Session 4**	BREAKOUT ROOMS
12:30pm – 1:30pm	**Lunch**	NYAMA CHOMA RANCH
1:30pm – 2:00pm	**Industry Talks – Session 5**	BREAKOUT ROOMS
2:00pm – 2:30pm	**Industry Talks – Session 6**	BREAKOUT ROOMS
2:30pm – 3:00pm	**Industry Talks – Session 7**	BREAKOUT ROOMS
3:00pm – 3:30pm	**Industry Talks – Session 8**	BREAKOUT ROOMS
3:30pm – 4:00pm	**Break and Exhibits**	JAMBO FOYER
4:00pm – 5:00pm	**Closing** **CRS Leadership Team** Carol Bothwell, *Vice President and CIO* Pulickal Mathai Jose, *Country Representative, Kenya*	JAMBO HALL

Industry Talks

10 speakers will repeat their presentation 4 times throughout the day. Participants will need to choose the 8 presentations they would like to hear, 4 in the morning and 4 in the afternoon. Presentation rooms will accommodate up to 30 people at a time.

INDUSTRY TALKS: Sessions 1-4 (Morning)	LOCATION	INDUSTRY TALKS: Sessions 5-8 (Afternoon)	LOCATION
Using ICT to Innovate in Agriculture Vincent Bii *Land O' Lakes*	LION	**Technology Tools for Village Savings and Loan Associations (VSLAs)** Fiona Robinson *Grameen Foundation*	LION
Mobile-Enabled Agriculture and Rural Development (ME-ARD) in ACP Chris Addison *The Technical Centre for Agricultural and Rural Co-operation ACP-EU (CTA)*	LIONESS	**Mobile Banking Services** Eva Ngigi *Standard Chartered Bank*	LIONESS
Working with ICT4D in Public and Private Extension Services Richard Githaiga and Shahid Uddin Akbar *Government of Kenya, State Department of Agriculture* *Bangladesh Institute of ICT in Development*	CUB	**Panel Discussion: Salesforce.com: Bringing New Opportunities with Cloud Technology** Isabel Kelly *Salesforce Foundation* Note: This session is only offered twice and takes the place of two breakouts	CUB
E-Agri Transport Network-Ghana Albert Yeboah Obeng *Foresight Generation Club*	JAMBO A	**NetSquared Kenya: Modernizing Agriculture through Technology** Chrisphine Okumu *NetSquared Kenya*	JAMBO A
The Future of Advanced Vsat C Band Solutions in Africa: Why You Need Them, and Why You Will Need KA Satellites Too Alberto Carpenè *SkyVision*	JAMBO B	**Mobile Solution for Women Empowerment** Ei Thinzar Min Min Oo *Pact Myanmar*	JAMBO B
The Power of Social Media in Enticing the Youth to Agriculture in Kenya Joseph Macharia *Mkulima Young*	JAMBO C	**Creating Scale by Leveraging Existing Community Resources: How It's Done** Claudette Jollebo, *Kilifi Kids* Maeghan Orton, *Medic Mobile* Jimmy Obuya, *Christain Aid East Africa Program*	JAMBO C
Technology Enabled Emergency Need Assessments Using iPod, GPS and iFormBuilder Jeanne Ella Andrianambinina *Catholic Relief Services*	JAMBO D	**The Effects of the Application of ICT Platform on Livestock Disease Control and Trade on the Livelihoods of Pastoral and Smallholder Communities in Northern Kenya** Amos Omamo *Jaramogi Oginga Odinga University of Science and Technology*	JAMBO D
Trends and Priorities in the Use of Technology in Developing Countries Henrik Axelsson *Accenture Development Partnerships*	JAMBO E	**The Next Wave of Mobile Applications for International NGOs** Kieran O'Toole *PSI Mobile*	JAMBO E
Pan-African Health ICT Peer Assistance Network (PAN) Heidi Good Boncana, *Johns Hopkins Bloomberg School of Public Health* Peter Benjamin, *mHealth Alliance*	JAMBO F	**CE3 Connectivity, Electricity and Education for Entrepreneurship** Patrick Murphy *University of Notre Dame*	JAMBO F
Building Professionalism Through Innovation – Bridging Income-Generation through Provision of Incentives for Care (BIGPIC) Sonak Pastakia *Purdue University*	JAMBO G	**Haiti: A Case in Building ICT4D Resilience for our Education Partners** Sony Belizaire *Catholic Relief Services*	JAMBO G
U-Report Stuart Campo *UNICEF*	MOUNT KENYA A	**Technology for Food - Building Farmers' Resilience to Climate Changes in Rural Kenya** Jimmy Wetindi *Christian Aid*	MOUNT KENYA A
Reaching Population Scale Simon de Haan *Praekelt Foundation*	MOUNT KENYA B	**Building Professionalism Through Innovation** Krista Kruft *International Institute for Communication and Development (IICD)*	MOUNT KENYA B
Using Salesforce for Your Business Tori Elliott *Vera Solutions*	MOUNT KENYA D	**Identifying Barriers to the Implementation and Scale Up of Mobile Technology** Kelly Keisling *NetHope*	MOUNT KENYA D

SESSION ABSTRACTS AND SPEAKER BIOS

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Tuesday, March 25

Plenary

Opening Address

Dr. Fred Matiang'i, Cabinet Secretary for Information, Communication and Technology, Government of Kenya

Dr. Fred Okeng'o Matiang'i is the Cabinet Secretary, Ministry of Information, Communication and Technology (ICT) in the Government of Kenya. Before his appointment, Dr. Matiang'i was the Centre for International Development, Rockefeller College of Public Affairs and Policy, the State University of New York SUNY/CID Liaison in East Africa. He formerly served as Chief of Party for Kenya's Parliamentary Strengthening Program. Dr. Matiang'i held research and program implementation positions in various civil society organizations in Kenya and conducted research and training for the Commonwealth Parliamentary Association, the parliaments of Ethiopia, Uganda, and the East African Legislative Assembly. He has also been a columnist for the Daily Nation, Kenya's leading newspaper, and has consulted extensively with USAID, the Canadian Development Agency (CIDA), the World Bank, and Transparency International. He taught at Egerton University and the University of Nairobi. Dr. Matiang'i's education includes a Ph.D. in communication and comparative literature from the University of Nairobi, an M.A. in English from the University of Nairobi, and a B.A. in education from Kenyatta University. He speaks Swahili, English, and has a working knowledge of French.

Welcome

Carol Bothwell, Vice President and Chief Information Officer, Catholic Relief Services

Carol Bothwell leads the agency's federated IT organization, works with the agency's CEO and Executive Leadership team to align IT and business strategy, and manages the agency's global knowledge environment. She has been a leader in the effort to improve CRS programming through the use of technology in the field. Prior to joining CRS in October 2007, Carol was a Vice President and Chief Knowledge Officer with CSC, a global information technology services company with over 79,000 employees and operations spanning 59 countries worldwide. Over the course of her career she has managed large, global business change, system development and integration programs for a variety of international, commercial, and government clients. She has a bachelor's degree in Mathematics from Goucher College and a MBA from the New York Institute of Technology.

Michele Broemmelsiek, Vice President, Overseas Operations, Catholic Relief Services

Ms. Broemmelsiek is a seasoned international development specialist with over 17 years of experience managing multinational, multi-functional teams in resource-poor settings. Since 1995 Ms. Broemmelsiek has served in various capacities with Catholic Relief Services (CRS), the international humanitarian agency of the Catholic community in the United States, headquartered in Baltimore, MD., CRS implements programs in over 100 counties, annually benefiting more than 100 million people worldwide. Currently, Ms. Broemmelsiek serves as Vice President for Overseas Operations supporting our operations across the globe. Previously, Ms. Broemmelsiek served as Global Chief of Party of the AIDS Relief consortium, which provided care and treatment to over 700,000 people living with HIV in 10 countries in Africa, Latin America and the Caribbean. Ms. Broemmelsiek spent 13 years of her career working in the field with CRS in southern Africa and Asia.

David Orth-Moore, Regional Director for East Africa, Catholic Relief Services

David Orth-Moore is Catholic Relief Services' Regional Director for East Africa, based in Nairobi, Kenya. Serving in this role since June 2008, he is responsible for regional oversight of CRS programs in Ethiopia, Kenya, South Sudan, Sudan, Tanzania and Uganda, as well as for CRS support to partner agencies in Somalia. David started his career in international development serving as a U.S. Peace Corps Volunteer in Senegal from 1986 to 1989 helping rural communities to develop water and sanitation systems. After completing his Peace Corps service, David returned to the United States to continue his education. In 1991, he received a master's degree in Development Management from the American University in Washington, D.C. He then joined Catholic Relief Services, being first assigned to conduct relief operations in Liberia during the civil war. In 1992, David became CRS' Country Representative for Togo, where he managed a diverse array of development programs. He next took on the role of Assistant Country Representative for CRS Ethiopia in 1994. In this position, he oversaw large-scale rehabilitation and development programs addressing problems arising

from years of drought. In 1997, David transferred to CRS headquarters, working for a year as the Southern Africa Regional Team Leader before moving to Albuquerque to work as Assistant Director for Catholic Charities of Central New Mexico. In 2002, David rejoined CRS as Country Representative in Ghana. Most recently, David served as Country Representative in Ethiopia from 2005 through June 2008, during which time funding for HIV, agriculture, and water and sanitation projects significantly increased.

Remolding M4D: A Vision toward Inclusive Digital Development

The application of mobile technologies in meeting development objectives has been widely fragmented and its success has fallen short of expectations. While still holding tremendous, exciting promise as a powerful tool for development – wielded by more people than any other preceding ICT – mobile deployments have been designed largely as one-offs absent of embracing the larger mobile ecosystem necessary for underserved populations to maximize such tools. It is therefore time for a bold new vision, one that focuses squarely on delivering the prerequisite building blocks of a healthy digital economy to facilitate more inclusive engagement and development.

Christopher M. Burns, Senior Advisor and Team Lead for Mobile Access, USAID

Christopher Burns is the Senior Advisor and Team Lead for Mobile Access with USAID's Mobile Solutions team where he has spearheaded support for, and serves as technical lead to, the GSMA mWomen Program and the Alliance for Affordable Internet, among other partnerships. Prior to USAID, Christopher spent 10 years with the Peace Corps, as Program and Training Officer in Niger, Country Desk Officer for Central Asia, and Agro-Forestry Advisor in Ghana. All told, he has 18 years of technical, supervisory and management experience in international development, largely in the areas of mobile technology, natural resources management, food security and gender integration.

Building Resilience through ICT4D

Resilience seeks to build on the strongest aspects of emergency response, disaster risk reduction, climate change adaptation, governance and livelihoods programming. Following the recent droughts in the Horn of Africa and the Sahel, leading public and private sector investors have requested a rethink in our approaches to humanitarian assistance. Resilience programming needs to build the capacity of people, communities and nations to cope better with recurrent shocks. This multi-scale challenge requires major improvements in our ability to collect, analyze and act on more accurate and timely information. A key part of that resilient solution will be a tight embedding of ICT4D thinking and technologies, so that we can tackle the critical issues of communication, analysis and cost reduction at scale. This presentation will offer ideas and identify existing technologies that can contribute to the next generation of more resilient relief and development systems and services.

Shaun Ferris, Senior Technical Advisor for Agriculture and Environment, Catholic Relief Services

Shaun has worked with CRS for many years as an advisor and joined CRS full time in July 2007. Shaun works within a team of seven Agricultural advisors based at the Headquarters and 8 Advisors embedded in the regions. Shaun is responsible for providing strategic and technical advice to CRS' field offices in support of a global relief and development project portfolio. Shaun's area of specialization within the Agricultural sector is to upgrade the CRS agricultural response from a production focus to an agro-enterprise approach. This transition includes the use of ICT in agriculture as a means to reach more farming communities, more effectively and at lower cost.

Agriculture and Livelihoods

Mapping and Tracking Field Agent Activity: Farmbook

Recording the real-time activities of field agents is critical to improving the management of extension services and to providing incentives to improve service delivery. "Map and Track" application offers a low cost, easy-to-use reporting 'app' that allows field agents to record their activities in the field in real time using mobile devices. In this workshop you will learn how to use the "Map and Track" mobile application and using Reporting Platform to analyze and make decisions based on the data.

Or Dashevsky, Chief Solution Architect, Catholic Relief Services

Or Dashevsky is the Chief Solution Architect for Catholic Relief Services. He has over 16 years of information technology experience. Or joined CRS in July 2000 and since then has played a key role in many of CRS' technology-based projects' design and implementation. He is versatile in many technology platforms and has been highly recognized inside CRS and by external organizations in the use of innovating solutions to meet business needs.

SESSION ABSTRACTS AND SPEAKER BIOS

Using e-Learning to Develop 5 Essential Farmer Skills

Providing consistent, high quality training to staff responsible for implementing integrated rural development programs can be challenging. To ensure field agents receive the training they require, CRS has created a suite of nine e-learning courses to support our Five Skillsets Program for linking farmers to markets. The courses run on the Agilix Brainhoney platform, and can run offline on a 'To Go' Player. The online platform enables managers to monitor their staff's progress and understanding from anywhere in the world. For multi-year, multi-country projects this provides a way to train, monitor and support large cohorts of field agents.

Suzanne Andrews, Markets and Agriculture Program Specialist, Catholic Relief Services

Suzanne Andrews is managing the rollout of the Farmbook ICT portfolio supporting our five skillsets approach to link smallholder farmers to markets. She provides strategic guidance on software development for agriculture, IT-supported agriculture training and integrated rural development programming. Suzanne also works on issues of Local Regional Procurement (LRP) and is also the technical writer on the MARKit guidebook, a Monitoring Analysis and Response Kit for food assistance programs developed in coordination with the interagency LRP Learning Alliance.

e-Extension Project - Mainstreaming Adoption of ICT Solutions in Extension Services Delivery in Kenya

E-Extension is the delivery of agricultural information and knowledge services using the Internet and related technologies. It is provided on different platforms including digital libraries, web portals, Interactive Voice response, Short Message Service and social media. E-Extension faces challenges of inadequate staff and farmer access to ICT infrastructure and facilities, absence of appropriate skills among extension staff, farmers and other stakeholders. The Kenya Ministry of Agriculture, Livestock and Fisheries is implementing an e-extension project to equip extension staff with ICT equipment and technical skills for rapid adoption of ICT solutions in extension. This is expected to improve extension service delivery through cheap and effective transmission of agricultural information and technology across the value chain.

Mr. Richard Githaiga, Deputy Director/Extension Services, Ministry of Agriculture, Livestock and Fisheries, Republic of Kenya

Mr. Githaiga is Deputy Director/ Extension Services of the Kenya Ministry of Agriculture, Livestock and Fisheries. He has expertise in extension services systems, approaches and methods, group facilitation and skills development for extension staff. Mr. Githaiga has developed and implemented the Urban and peri-urban agriculture project (UPAP) in Kenya (2012 – 13), an e-Extension project in Kenya (2013-14), a training program on 5 skills set for field officers in collaboration with CRS and Modernizing Extension advisory services project (MEAS) in Kenya (2013-14), and piloted the Farmbook application in Kenya extension services (2013-14).

Using ICT4D to Increase Efficiencies and Cut Costs in Seed Fairs

Seed fairs are a market-based seed distribution approach. Farmers receive vouchers with cash value that can be exchanged with local seed vendors and producers for seeds at specially organized seed markets. Counting vouchers, paying vendors, and drafting reports are time-consuming and increases overall costs. An ICT4D system that uses printed vouchers, iPods, barcode scanners, iFormBuilder forms has allowed CRS to nearly halve the time and staff necessary to conduct these fairs. Furthermore, seed fair data, now collected in iFormBuilder databases, produces quick and accurate reports available at the end of each fair.

Mrs. Bijou Kuzimbu, Program Manager, Catholic Relief Services

Mrs. Bijou Kuzimbu is a Program Manager of an USAID PEPFAR funded program and is leading ICT4D use in seed fairs in Rwanda. She has over 10 years' experience managing nutrition, food security and education programs in different African countries. She has a master's degree in International Development and a bachelor's degree in Economic Development.

Mr. Théoneste Ndababonye, Senior Monitoring and Evaluation Officer and ICT4D Focal Person, Catholic Relief Services

Mr. Théoneste Ndababonye is Senior Monitoring and Evaluation Officer and ICT4D Focal Person for CRS Rwanda program. He is a Bachelor's degree Holder in Information and Technology applications in Management. Théoneste has over seven years of experiences in Project Management, Monitoring and evaluation.

SESSION ABSTRACTS AND SPEAKER BIOS

Dialing up the Future- How Mobile-based Services are Changing the Way We Manage Agriculture

A perfect storm has arrived in Africa where there is a growing population, higher commodity prices and underutilization of land. New technologies in water management and inputs are helping address this. However, dissemination of this information is poor. Esoko is an agriculturally based mobile phone platform which focuses on delivering and collecting vital information from farmers to help improve yields, improve market linkages and provide tools to NGOs and businesses to better manage their farmers and supply chains.

Mr. Paolo Mele, Managing Director, Esoko Kenya

Mr. Paolo Mele is a management and financial expert with extensive experience in developing and accessing small business, developing viable business plans and raising capital for sustainability. He also offers entrepreneurial support in the form of training delivery and mentoring. He has been instrumental in the private sector in the area of developing value supply chains and understanding and facilitating links between small-scale farmers and businesses to commercial players leading to increased incomes. He has experience in developing proposals for funding, overall project management for UNDP, FICA and DFID. He now manages the Esoko team in Kenya.

Connected Farmer Alliance

The Connected Farmer Alliance (CFA) is a public-private partnership among the U.S. Agency for International Development (USAID), Vodafone and TechnoServe that seeks to promote commercially sustainable mobile agriculture solutions and increase productivity, incomes, and resilience of 500,000 smallholder farmers across Kenya, Tanzania and Mozambique. By developing sustainable business models that serve the interests of a broad range of private sector stakeholders, the program seeks to prove the commercial viability of mobile solutions for smallholder farmers. CFA works with farming communities and supply chain business partners across the three countries to develop and scale mobile applications that will enable rural households to make and receive payments securely, access other financial services such as micro-insurance, and connect to local and multinational agribusinesses, especially those working in priority value chains of Feed the Future, the U.S. Government's global hunger and food security initiative. This presentation will share some of the directions and results of CFA's work.

Speaker from TechnoServe

Building Smallholder Resilience by Improving 'Value-Add' in Supply Chains: The Community Knowledge Worker

Application of good agricultural practices (GAP) helps to dramatically increase productivity and boost household economic prospects with cash crops. However, adoption rates of GAP are stubbornly low; lack of good information creates a 'productivity wall' that obstructs smallholder production incomes and therefore food security, while frustrating international buyers, especially those who seek 'inclusive' supply. Better access to adoptable information enables the smallholder to truly add (and capture) value. But this is only possible *provided* that information can be provided cost-effectively, reliably, universally and at scale. Grameen Foundation's 'Community Knowledge Worker' (CKW) approach fills these information gaps by enabling trusted agents armed with advanced ICT (smartphones, online/offline apps, peer-to-peer sharing) to directly reach farmers with content-specific messaging and data services. Measurably improving smallholder 'value-add' is rewarded with incentive payments, ultimately creating self-sustaining network of CKWs; this is evidenced to varying degrees already in our trials of commercial business models.

Kwasi Donkor, Director, Community Knowledge Worker Program, Grameen Foundation

Kwasi Donkor is based in Kampala, Uganda, where he oversees Grameen Foundation's Community Knowledge Worker program. Before joining the foundation, he was responsible for driving specialized sales and channel management strategy for Tigo Cash, Millicom's mobile money offering in Ghana. While at Millicom, he built the start-up commercial team that was responsible for launching and transforming Tigo Cash into a multiple award-winning product in Ghana and across West Africa. He was previously responsible for global sales and marketing strategy for Dun and Bradstreet's enterprise and strategic customers – a portfolio generating about $200 million annually. Kwasi began his career as an analyst in Merrill Lynch's private client banking business. He received his MBA from the Wharton School at the University of Pennsylvania, where he was a Joseph Wharton Fellow. He also has an undergraduate degree in electrical engineering from the Pennsylvania State University.

SESSION ABSTRACTS AND SPEAKER BIOS

Water and Agricultural Management using Satellite Data and Smart-ICT in an Emerging Spate Irrigation System in Gash Catchment, Sudan

Climate change, water scarcity and food security are becoming increasingly important topics for the growing population of Africa. With the increased demand and competition for limited water resources the challenge is to increase agricultural production while reducing water consumption ("more crop per drop"). Local solutions must be adopted in which rural people's access to new technologies increases. Therefore, smart and affordable technologies need to be adapted to customize farm management for this group of African farmers. Poor farmers need to access real-time information, and to be able to exchange and apply it: smart ICT (e.g. cell-phones backed up by the web) can play a fundamental role in the communication process. For implementation, Gash catchment was selected to share the tools and techniques for improved access to and use of information. This project is first of its kind in providing operational weekly products (evapotranspiration and biomass production; flood inundation extent, real-time flood forecasting using HEC tools covering the entire Upstream-downstream Gash basin using space inputs and finally developed Smart-ICT system known as "FieldLook Sudan" to transfer real-time irrigation advice to farmers and relevant stakeholders. The information access barrier in rural Sudan is lowered and informed decision making by smallholder farmers regarding management of their land and water resources is facilitated.

Dr. Giriraj Amarnath, Researcher - Remote Sensing and GIS, International Water Management Institute (IWMI)

Dr. Giriraj Amarnath is a remote sensing researcher specialized in the application of Remote Sensing and Geographic Information Systems in the study of risk assessment across a wide range of natural hazards and monitoring land and water resources in Asia and Africa. He has conducted research on the: (i) sub-continental scale mapping of flood inundation extent in south Asia and south-east Asia, (ii) global flood hotspots assessment for climate risk investments, (iii) operational flood mapping and modeling in Eastern Sudan, (iv) snow cover mapping and monitoring in the Hindu-Kush Himalayas, (v) vegetation cover change and biodiversity assessment in Western Ghats (India), Sagarmatha National Park (Nepal), (vi) species niche modeling for endangered plants species in Western Ghats (India), (vii) environmental impact assessment using RS/GIS and (viii) relationship between upstream-downstream linkages in Indo-Gangetic plain and the possible causes of climate change impacts in this region. He has published more than 40 international research papers and recently accomplished project including south Asia flood risk mapping using multi-scale satellite data, developing flood forecasting system and sharing knowledge to farmers via SmartICT for Gash catchment (eastern Sudan). In recent years he has become interested in studying the relationship between land cover/use changes, hydrology, flood intensity and its impact on food security and livelihood. He is applying his expertise in geospatial technology in a recent project that assesses south Asia exposure and vulnerability toward climate hazards.

Adoption of Farmbook Technology by Extension Agents in Africa: Challenges and Opportunities for the future

Farmbook is a novel ICT tool that is being field tested by Catholic Relief Services, partly with the support of the Modernizing Extension and Agricultural Systems (MEAS) initiative of USAID. Farmbook enables farmers to quickly assess productivity and profitability, so as to increase incomes and achieve food security. This study looked at the socio-economic challenges faced by agricultural extension agents in Africa testing the Farmbook application. Results show that personal and wider socio-economic conditions have an impact on the proficiency of using Farmbook. The study recommends measures to improve training and ICT proficiency of extension agents adopting Farmbook.

Dr. Joyous S. Tata, Postdoctoral Researcher, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign

Dr. Joyous Tata is a Postdoctoral Researcher with the Modernizing Extension and Advisory Systems (MEAS) Project, in the Department of Agricultural and Consumer Economics (ACES), University of Illinois at Urbana-Champaign, USA. She holds a PhD from Cornell University. Prior to doctoral studies, she worked as Agricultural Extension Officer with a US Department of Agriculture (USDA) Funded Project at the Limbe Botanic Garden, Cameroon. Her current research looks at challenges accompanying the adoption of ICT, videos and adaptive institutional arrangements for modernizing agricultural extension across Africa.

CommTrack: Mobile Logistics to Improve Last Mile Supply Chains

Paper-based methods to track commodity supply in Africa are inadequate to prevent frequent medication stock-outs, resulting in millions of avoidable deaths of pregnant women, newborns, and children. CommTrack is an open source,

mobile logistics solution that improves supply chain decision-making. Designed for low-resource settings, CommTrack supports mobile workers for better stock tracking, requisition planning, and delivery management. Since Dimagi developed CommTrack in 2011, it has been deployed in 10,000 sales outlets and 3,000+ facilities in Tanzania, Malawi and Ghana, where it is demonstrating the ability to maintain high and consistent user reporting rates.

Mr. Fiorenzo Conte, Field Manager, Public health, Logistics, Mobile Technology, Dimagi Inc., Senegal

Fiorenzo Conte has worked with UNICEF Lebanon where he supported the Ministry of Health to implement a measles and polio vaccination campaign for 200,000 children. At Dimagi he has led the implementation of a mhealth project in rural Senegal: the mobile app is used by community health workers to improve the quality of diarrhea consultations. He is currently working on designing and deploying a CommTrack application in Senegal within the context of the logistics project called Informed Push Model, led by IntraHealth.

Mobile Weather Alert Project: Building Resilience through Innovation

Over 90% of agricultural activity in Uganda is by small holder farmers and is rain fed. It is therefore very prone to severe weather and climatic variability. Severe weather events like prolonged dry spells, hailstorms and floods have become frequent and thus the traditional planting calendar and indigenous methods of crops husbandry have been adversely affected. Working closely with the National Meteorology Services, Grameen Foundation Uganda, through the use of mobile phones, is providing timely and accurate weather alerts and advisories to subsistence farmers to help mitigate the increased risks of weather and climate variability.

Mr. Gilbert Byarugaba Agaba, GIS and Data Analyst, Monitoring and Evaluation Department, Grameen Foundation

Mr. Agaba is the Monitoring and Evaluation Lead of the Grameen Foundation Uganda Community Knowledge Worker (CKW) and Mobile Financial Services Projects. He oversaw the planning and implementation of the Mobile Weather Alert project, and continues to monitor its progress against the set Goals and Objectives. Mr. Agaba has been invited to several Climate Service forums around the world to share Good Practices in the use of technology in Scaling up Climate services for Farmers in Africa and Asia. Previously, Mr. Agaba worked in the Telecoms sector in various research, Data analytics, Mapping and network roll out projects.

Mobile Agriculture Services that Build Resilience

Market price and irrigation information, delivered via mobile, has the potential to reach millions of farmers globally—enhancing agricultural practices while building increased resiliency. This session will present the mobile services designed by Souktel in partnership with the Orange mobile network, the Moroccan Ministry of Agriculture and USAID--and delivered by DAI Inc. as part of the Morocco Economic Competitiveness Program. Through this case study, this presentation will serve as the basis for a wider discussion on how a multi-stakeholder partnership approach can be expanded or adapted to other African settings—with the goal of forging new partnerships to improve resiliency among African farmers at scale.

Maggie McDonough, US Director, Souktel Inc.

Maggie is an accomplished international development specialist with over 15 years of experience. She currently serves as the US Director for Souktel, a small business that provides mobile services in support of development and humanitarian response programming globally. Prior to joining Souktel, she was a member of leading nonprofit IREX, where she managed media development programs and new business development. She also spent two years at IFES supporting programs on civic education, political party development, and election administration. Maggie holds a BA in History from the University of Michigan and an MA in International Affairs from the George Washington University.

Supporting the Creation of Community Agribusinesses and Knowledge Centers

The Vacid Africa Institute supports communities in identifying the anchor value chains around which communities can create wealth. The institute provides training to communities on the participatory models around which they can create aggregate their produce to benefit from the economies of market engagement. It also supports farmers in developing market portals that enable them to link to consumers and taking advantage of agribusiness and knowledge centers. This presentation will explore the results of the Institute's work

Kiringai Kamau, Value Chain Analyst and Specialist in Digital Process Integration to Agricultural Enterprises, VACID Africa Institute

Mr. Kamau's work with government and UNIDO led to the formation of Value Addition and Cottage Industry Development (VACID Africa), an international NGO linking ICT to Agricultural Value Chains to address the challenges of rural agriculture. Today Mr. Kamau provides stewardship to a number of initiatives shaping the Kenyan economy including the design of the CDF, Youth Fund, Water Trust Fund, Street Family Rehabilitation Trust Fund, as well as the SACCO Societies Regulatory Authority (SASRA) in Kenya, among others that continue shaping the devolved government in Kenya. His work has resulted in an innovative community knowledge driven vehicle - the Resource, Aquaculture, Value Addition, Agribusiness and Knowledge (RAVAAK) Centers that are based in an organizational infrastructure dubbed Knowledge and Eateries Hubs (KnowEatHub).

Multi-Sector

Poimapper: Convenient and Affordable Real Time Data Collection, Monitoring and Evaluation Solution

Poimapper is an award-winning, tried and tested solution that allows users to collect, share, and visualize geographically tagged data in real-time which has been used in over 120 countries in over 2000 projects. Poimapper has been used in data collection/monitoring and evaluation support in areas such as NGOs' monitoring and evaluating development programs and health care- maternal monitoring, cancer screening just to mention a few. Our mission is to provide affordable, useful and meaningful mobile solutions that are globally relevant as well as provision of consulting services.

Ms. Caroline Ngugi, Business Development Consultant, Pajat Solutions Limited, Kenya

Ms. Ngugi is a professional who is passionate about organization and business development. She holds a Bachelor of Commerce degree from Strathmore University and is currently pursuing an Executive master's degree in Science in Organization Development at the United States International University. She has four years' experience in business development, project management, stakeholder management, multicultural team management and event management. In the past two years her work has been focused on the use of mobile and web technologies by providing solutions to organizations on how to tap into various technologies that can enrich the quality of their work.

Working Toward a Big Data Future

The world is moving toward a Big Data future. In the developing world, however, even getting basic data is challenging due to Internet coverage, power coverage and even human resources coverage. Over the years, we have tackled these problems head-on and deployed projects such as seed fair, bio risk assessment and land-right protection to areas where there is no Internet, and even no power lines. We are bridging the gap between the connected and the disconnected world, in the quest to bring the disconnected world to a Big Data future. Come join us in this amazing journey.

Mr. Chris Reichart, Chief Business Officer, Zerion Software, Inc.

Mr. Chris Reichart is the Chief Business Officer of Zerion Software and co-creator of the award winning iFormBuilder mobile platform. Chris has over 12 years' experience in the mobile technology industry, specifically focused on business development, technical sales, and user experience. Chris has helped iFormBuilder become the mobile data collection platform of choice for the "Smart Enterprise" expanding the user community to more than 110 countries in just over 3 years.

Collect and Synchronize Field Data using GIS

Field data collection and synchronization to the office remains a challenge. This session will provide an overview of ArcGIS Platform and demonstrate its utility in aid and development. The session will showcase how to discover, create and share geographic information. It will demonstrate how the platform transcends device boundaries to deliver comprehensive and unified data solution enabling field data collection and synchronization, leading to informed decision making. Participants will experience GIS on their smartphones to collect and synchronize the data they collect and also discuss applications of the tools showcased in their work.

Mr. Clifford Okembo, Solutions Manager, Esri Eastern Africa

Mr. Clifford Okembo, Solutions Manager at Esri Eastern Africa, Kenya, has a MSc. Degree in GIS from University of Redlands, in Redlands, California, USA. He has vast experience in the use of GIS and has completed many GIS projects and assignments. He has also worked extensively with Remote Sensing and imagery. As an Esri Certified and authorized

instructor, he has taught several Esri instructor-led courses across the region. He promotes GIS technology as a speaker in seminars, workshops and conferences.

Mawingu Broadband Access for Rural Kenya

NetHope, Mawingu Networks, the Kenya Ministry of Information and Communication Technology, and Microsoft East Africa are supporting the 'Mawingu' project, Swahili for cloud, to introduce broadband into rural Kenya. The initiative delivers solar-powered wireless broadband access to hospitals, schools and less populated rural communities to support economic growth, education, healthcare and e-government services. The project employs redundant or unused spectrum bands previously reserved for television broadcasting (also referred to as TV white spaces). The project also delivers Wi-Fi and electricity access for a small fee to community members through community co-operatives to make the networks sustainable.

Dr. Alison Padget, Deputy Chief of Party, NetHope-USAID Global Broadband and Innovations Alliance

Dr. Alison Padget is the Deputy Chief of Party for the NetHope-USAID Global Broadband and Innovations Alliance and is based in London, UK. Her areas of expertise include extension of broadband access to rural areas to support economic growth, clean energy-powered Internet access, ICT for Development, and management and evaluation of USAID-funded projects. Special interests are the use of mobile apps to promote human rights and counter human trafficking. Dr. Padget's background includes living and working in China and Russia and program evaluation in Austin, Texas.

Yo! Payments - Secure, Interoperable Platform for Digitizing Payments

Yo! Payments is a mobile payments solution marketed by Yo! Uganda Limited. Yo! Payments enables organizations to securely, conveniently and centrally manage mobile payments. Here's how: **NGOs** are using Yo! Payments to securely and conveniently transmit funds directly to the mobile wallets of beneficiaries regardless of mobile provider. Yo! Payments' reports enable organizations to fulfill paper trail requirements and store hard-copy records. **Financial Institutions** are using Yo! Payments to accept deposits and process withdrawals through mobile money – opening access to financial services many mobile users have never experienced. **Merchants** are using Yo! Payments to accept mobile money payments for their goods and services in a secure way.

Mr. Gerald Begumisa, Managing Director and Co-founder, Yo! Uganda Limited

Gerald Begumisa is the Managing Director and Co-Founder of Yo!. Yo! develops technology-enabled solutions for organizations which aim at increasing efficiency in processes, increasing profitability and reducing costs. Examples of the solutions include Mobile Money Bulk Payments, SMS Surveys and Mobile Banking Solutions. As Managing Director, Gerald is responsible for setting the strategic direction of the company, identifying new opportunities and exploring new markets. Under Gerald's leadership, Yo! has delivered Mobile Money, Mobile Banking and multiple other solutions to several banks, government agencies, and other organizations since its founding in 2006.

Biometrics and Asset Management Working Together

The Danoffice IT Workshop will be presenting our ID Management Kit, focusing on how to manage refugee camps by means of Biometric Registration and Asset Management of both food and non-food items distributed in the camp. By combining biometrics and asset management, the customer will be able to pull statistics and specifically find out the costs for running the camp using a portable biometrics ID Management Kit. Danoffice IT provides professional and efficient IT and IS turnkey solutions to international organizations and businesses operating worldwide. Danoffice IT offers a one-stop shopping platform with an array of services and logistical solutions, backed by professional products and certified personnel ready to assist your HQ or local offices, anytime and anywhere.

Mr. Henrik Wollesen, Global Sales Manager, ID Management, Danoffice IT

Henrik Wollesen is the Global Sales Manager of Danoffice IT, a Danish company specializing in the delivery of IT and IS equipment to the UN and NGO community world-wide. Mr. Wollesen has been working within the aid and relief area for more than 16 years, having supplied various UN and NGO organizations with their different equipment needs within both hardware and software solutions. Mr. Wollesen has vast knowledge within sourcing, logistics and project management to remote areas and areas of civil unrest.

Global MEAL/ICT Platform and How it Works

CRS is rolling out e-Valuate, a MEAL (Monitoring Evaluation Accountability and Learning) ICT Platform as part of the agency's 5-year global strategy. The aim of the platform is to use ICT4D tools (mobile devices, electronic data collection,

and integrated reporting) to improve data collection and reporting efficiency, reduce data and reporting errors, increase transparency and accountability, and improve decision making, service delivery and results. This session will include an overview of the platform followed by a demonstration.

Mr. Michael Matarasso, Senior Advisor for MEAL/ICT, Catholic Relief Services

Michael works for CRS as Senior Advisor for MEAL/ICT. Previously he was the Regional Technical Advisor for M&E/ICT responsible for leading the design and rollout of an M&E/ICT platform pilot in the East Africa Region. He came to that position from CRS' Great Lakes Cassava Initiative where he was the M&E Technical Advisor and set up the M&E/ICT platform for that project. Previous to that he worked for more than 10 years with World Wildlife Fund and Conservation International where he designed behavior change communications, education and M&E strategies for nature conservation and sustainable development projects across Africa, Latin America and Asia. Prior to this he worked in Malawi as an agro-forester.

Magpi: Fast, Easy Mobile Data for Health, Agriculture, Education, Conservation, Commerce and More! Now with Integrated SMS and Audio Messaging!

Needed data in emerging markets is collected slowly on paper thus affecting health systems and development programs, and existing electronic data collection systems are expensive and consultant dependent. Magpi leverages the cloud and the explosion in mobile phones to provide a system suitable for *any* phone, from $10 knockoffs to Nokia's feature phones, as well as iOS and Android phones and tablets. It requires little or no training, dramatically decreases data collection costs, and increases accuracy and reporting speed. Countless pilots have demonstrated the usefulness of SMS for delivering information to targeted groups; still no simple system had been in place. With Magpi, sending scheduled and coordinated SMS and audio messages is very easy and inexpensive for an organization to implement in just minutes. Magpi allows users to send messages as SMS, recorded audio, or text-to-speech (TTS, where a computer voice reads the text message over a phone call). This technology makes it possible to reach both mobiles (SMS, recorded audio, TTS) and landlines (recorded audio and TTS) — and to reach illiterate populations!

Mr. Yusuf Ibrahim, Training Manager, DataDyne

Mr. Ibrahim is Training and Support Manager for DataDyne, experts in Mobile data collection. Yusuf's focus is on Magpi (Formerly EpiSurveyor) mobile phone data collection software developed in Kenya by Kenyan programmers. Yusuf has led many data collection projects in health, key among them: Polio Campaign (MOH/WHO- Kenya), and Measles assessment (IFRC). Yusuf is currently pursuing M&E, master's degree in Population Health, Program Development and Research at the University of Nairobi-Kenya.

The Power of Mobile Money and the Mundane: Training Expenses, Per Diems, Travel and Payroll

Everyone is aware of the benefits of mobile money and multinational consortiums are spearheading mobile payments. Many large organizations are using mobile-money in Kenya, but what about the organizations elsewhere with smaller budgets or time-bound projects? Is a move from cash to mobile money worthwhile? Recently, Educate! completed a pilot with Beyonic in Uganda that examined the costs and hurdles of switching to mobile money, with compelling results; overall costs fell by 30%. During this session, Beyonic will present the detailed costs of cash and mobile money and offer insight to organizations looking to incorporate mobile money into their day-to-day operations.

Ms. Evelyn Namara, Regional Manager - East Africa, Beyonic

Evelyn Namara is a social entrepreneur and technologist. She is the current Regional Manager for East Africa at Beyonic. The Beyonic mission is to make mobile money matter. Prior to joining Beyonic, she was the Country Director at Solar Sister and was instrumental in scaling their organization from a pilot of 10 women to 400. Evelyn was the recipient of the Anita Borg Change Agent Award, an Acumen East Africa Fellow and has a Bachelor's degree in Computer Science from Makerere University. She is currently training for a marathon and tweets and blogs frequently on women in technology.

CRS Partnership Scorecard; The Solution, the Problem being Solved, and the Benefits Derived from its Use

Relationships need management, including proper planning, monitoring and evaluation. CRS and its partners need a structured and standardized tool to collect data regarding opportunities and challenges related to improving partnership and, in turn, contributing to collaborative annual planning. CRS' Partnership Scorecard gives CRS and partner organizations staff a chance to reflect jointly and measure progress in partnership. Staff from both organizations rates their satisfaction and give feedback on different aspects of the partnership according to CRS'

partnership principles. By using this tool, CRS learns about the successes of its partnerships in order to communicate these successes and lessons learned internally and externally, including to donors.

Linda Gamova, Senior Technical Advisor, Catholic Relief Services
Linda has about 20 years of hands-on experience, gained through both working in the field and at the headquarter levels, in organizational development, strategic strengthening of partnerships, project management, monitoring and evaluation, workshop and training events. Linda has facilitated processes for improved accountability, learning and quality for different non-governmental organizations, such as Save the Children (US), World Vision International, and Heifer International. Recent accomplishments include leading the development and application of CRS' Partnership Scorecard, working on several winning partnership and capacity strengthening project proposals, conducting numerous organizational capacity assessments with local organizations and helping to develop capacity strengthening plans, and facilitating various partnership reflections, trainings and workshops.

Geography as a Platform for Collaboration
Cloud-based GIS opens new opportunities and new ways to access and share mapping information as a basis for collaboration. Recent innovations in field data collection technologies have increased the availability of information about communities, poverty, the environment, and status of infrastructure (schools, hospitals, wells, etc.). Collection of field data alone is not sufficient to provide collaborative decision support. The field data must be organized and analyzed in order to be useful for decision making. Cloud access allows anyone worldwide to harness the power of geographic information to integrate data and apply geographic knowledge. The resulting maps help tell stories—connecting villages to their governments, connecting donors to programs, and even informing interested citizens through the use of targeted, sophisticated, online interactive maps. This presentation will introduce key enabling technologies for a mapping platform and showcase studies in Africa where this approach is already making a difference. As more organizations embrace cloud-based GIS, and adopt a culture of collaboration and sharing, there will be an increase in the use of evidence and data for decision making and donor engagement.

Andrea S. Huber, Nonprofit and Global Organization Account Manager, Esri
Andrea Huber received her MEd in Curriculum and Instruction, concentrating in Multicultural and Multilingual Education, from George Mason University in 2011. Additionally, she received her B.A. in Geography from Mary Washington College in 2004. For over nine years she has supported the Esri Federal team, and is currently an Account Manager on the Esri Nonprofit and Global Organizations team out of the Esri-Washington, D.C. office.

Mr. Michael Ruth, Project Manager / Consultant, Esri
Mr. Mike Ruth works for Esri as a project manager where he leads projects that help NGOs learn and implement GIS to improve the delivery of humanitarian services. In Africa, his projects have helped NGOs streamline their operations to improve health and vaccination, modernize agriculture, and mitigate poverty in Nigeria, Tanzania, Somalia, Niger, Rwanda, Burundi, and Congo. In most of these projects Mike helps NGOs learn and implement the complete GIS process - starting with field data collection and data management, and proceeding to analysis and collaboration using web maps and related publication tools.

Use of UAV's in the NGO World
The benefits for use within the civil and NGO sectors are huge considering areas such as geo-tagging, agriculture and land assessment, the fight against poaching and search and rescue missions. Recently, the Huginn X1 UAV assisted NGOs in the aftermath of Typhoon Haiyan in the Philippines with damage assessment, body evacuation and debris clearing. The workshop on "The Use of UAVs in the NGO world" will elaborate on the possibilities available. Danoffice IT provides professional and efficient IT and IS turnkey solutions to international organizations and businesses operating worldwide. Danoffice IT offers a one-stop shopping platform with an array of services and logistical solutions, backed by professional products and certified personnel ready to assist your HQ or local offices, anytime and anywhere.

Mr. Jesper Pedersen, Key Account Manager, Danoffice IT
Mr. Jesper Pedersen, Key Account Manager with Danoffice IT, is responsible for a number of the global U.N. and NGO accounts including CRS and other NetHope members. Mr. Pedersen has more than nine years of experience within the humanitarian aid segment and gained knowledge of the segment working both at HQ and field level. Mr. Pedersen is based out of Danoffice IT's headquarters in Denmark.

Emergency Response, Health and Education

Information for Action in the Support of Early Child Development- Turning M&E Data into a Parental Decision Support Tool

Early childhood is a critical period in human development. As a result, there has been a groundswell in funding support often paired with the responsibility of collecting monitoring and evaluation (M&E) data. However, rarely is this data used for anything other than accountability. To remedy the situation we have developed the information for action mobile phone app that seeks to empower parental decision making. The app is unique in that it aims to push data driven decision making from an International Head office down to local organizations, frontline workers and parents.

Dr. Alastair van Heerden, Post Doc Fellow, Human Sciences Research Council

Dr. Alastair van Heerden is a Postdoc Fellow at the Human Sciences Research Council in South Africa. Dr. van Heerden completed his PhD last year looking at the public health implications of the rapid rise in ubiquitous pervasive computing. Dr. van Heerden has managed NIH grants as well has been an investigator on a number of other projects. He received a meritorious young investigator award at the 2010 mHealth Summit in Washington D.C. and has published on the topic of mHealth in both peer-reviewed journals and presentations at a number of conferences.

Open Source Tools for Health Interventions and Monitoring and Evaluation

In 2013, the University of Notre Dame, Verizon Foundation and our partners in the Nnindye
Villages in Uganda launched a pilot project to improve health-seeking behaviors using an SMS campaign.
Through the use of Randomized Control Trials (RCT's), empirical data gathering and a blend of open source and commercial SMS, mapping and survey tools. The objective of the intervention was to use SMS
messages to increase health-seeking behaviors of village households, by informing residents when clinic resources like doctors and vaccines would be available and capture rigorous M&E data. This resulted in improved health outcomes of children under five and an increase in clinic visits by adults.

Mr. Thomas Marentette, Lead Architect Digital ND, University of Notre Dame

Mr. Tom Marentette serves as Lead Architect Digital ND at the University of Notre Dame in the Office of Information Technologies. His current responsibilities include the execution of enterprise digital media strategy and ICT4D efforts. Tom has a wealth of experience in designing and deploying technology and mobile solutions in the developing world. Tom also serves on the Board of Directors of BOSCO, Inc. an NGO working in northern Uganda focused on providing solar-powered Internet, ICT training and collaborative platforms to connect people and preserve culture. Tom is a serial volunteer and regularly offers his ICT4D expertise to an assortment of nonprofits and International NGOs.

Saving Lives by Using Mobile Applications for Better Health Decisions

D-tree International develops easy to use clinical protocols that run on mobile phones to help guide health workers through patient care in low-income countries. The intended impact of the applications is improved quality of care by better adherence to the algorithms. Typically health workers in low-income countries rely on use of paper protocols during patient care, but our work has demonstrated that health workers indeed improve their adherence when using electronic protocols as compared to paper protocols. D-tree International has developed a range of different applications for antenatal, neonatal and maternal care, community case management, malnutrition, and family planning.

Mr. Phidelis Suwedi, Field Coordinator, D-tree International

Mr. Phidelis Suwedi is an information technology professional with experience in the field of health information technology. He is a Field Coordinator for D-tree International in Malawi where he conducts trainings and offers technical support to health workers on use of clinical protocols that run on mobile phones. His areas of expertise include mobile health, training delivery, health data management and IT infrastructure management. Phidelis Suwedi has previously worked with Lighthouse Trust where he provided technical support for the point of care electronic data systems for ART clinics. He holds a Bachelor of Science degree in Information Technology.

Assessment of Child Development: A Mobile Training Tool for Community Health Volunteers in Kenya

Early childhood intervention programs are dependent upon assessment tools but are critical to ensuring children under five reach their development potential (Gladstone et al., 2010). Reliance on dissemination of guidelines by Community health volunteers (CHV) has little, if any, effect on practice as demonstrated by Cochrane Review. Unlike many mobile

learning tools, this solution is designed to support active learning by CHVs and integrate supervision with their practice. Key benefits are the peer and supervisory support, the overview of CHV activities and the determination of gaps in practice, training and supervision provided to the Kenya Ministry of Health and AMREF through tool use.

Mr. Simon Mbae, Research Assistant, AMREF and University of London
Mr. Simon Mbae has worked as a Public Health Researcher for more than 3 years. At AMREF Headquarters in Kenya, Simon is a Research Assistant for the mCHW (Mobile Community Health Worker) project under mHealth Program. He is responsible for coordinating project activities among the implementing partners (AMREF and IoE/LKL) and target communities. Simon has successfully steered the mCHW project through development and piloting of a mobile learning tool for Community Health Volunteers in Kenya. As an accomplished Public Health Researcher, Simon seeks to capitalize on mobile technology to improve health access for underserved populations in locally and internationally.

Mobile Technology for Health e-Vouchers and Mobile-based Health Insurance for Health Financing
Changamka Microhealth is an innovator whose mission is the use of mobile technology and mobile money to make healthcare more affordable and accessible to low income populations. Our **e voucher** program seeks to address the core causes of poor maternal health outcomes in Kenya by empowering women with financial resources for pregnancy related care, including e vouchers for healthcare providers and for transportation. Changamka developed "Linda Jamii" a mobile phone based **microhealth insurance** product that enables individuals to self-subscribe on their mobile phones and make savings in small instalments using M-Pesa.

Sam Agutu, Changamka, Managing Director/CEO and co-founder, Changamka Microhealth Ltd
Samuel Agutu is Managing Director/CEO and co-founder of Changamka Microhealth Ltd, a developer of innovative mobile based Health financing and Microinsurance solutions for low-income communities. These include M-Pesa linked Smart Cards and e-vouchers, tenable at and targeted as demand side interventions for social franchises. Changamka, together with Safaricom and British American Insurance have this year launched "Linda Jamii" a paperless mobile-based health micro insurance product. Sam holds an MBA from Jomo Kenyatta University. He is a Certified Public Accountant, a Certified Public Secretary, a Chartered Arbitrator, an Ashoka fellow and Chairman of the Medical Insurance Providers Association of Kenya.

Using a Web-based Electronic Supply Chain Management System to Ensure a Reliable and Uninterrupted Supply of HIV and AIDS Medicines in Kenya
Kenya Pharma project is a USAID-supported and PEPFAR-funded project which works with the Government to manage supply of HIV commodities. Kenya Pharma developed an electronic supply chain management system (e-SCM) which is used as an ordering and reporting tool by health facilities providing HIV prevention, treatment and care services. Data from the e-SCM enables stakeholders in the Kenya Pharma supply chain pipeline to make procurement and planning decisions that ensure a reliable uninterrupted supply of commodities.

Mr. Antony Mbugua, Manager, Electronic Supply Chain Management Systems, USAID/Kenya Pharma
Mr. Antony Mbugua is the Manager, Electronic Supply Chain Management Systems at USAID/Kenya Pharma project, implemented by Chemonics International. He is an IT expert specializing in e-health application and information systems security. Previously he worked at the Kenya Medical Supplies Authority (KEMSA) as the Infrastructure Analyst; responsible for developing and implementing systems which managed an inventory with an annual throughput of about Kenya Shillings 15 billion. He also served as the Technical Manager in charge of implementing a USD $2 million ERP project which won the Plus One Award in the health sector category regional CIO Awards 2010.

Using Tin Can API to Understand and Support Emergency Responder Capacity and Performance
Typically, development organizations employ a range of training techniques to improve emergency response skill and capacity. Serving people affected by natural disasters or conflicts involves multiple elements, such as rapid needs assessment, implementing the response, setting up a monitoring system, and more. Since it is difficult to practice emergency response outside the rush of an actual emergency, we are developing skill-building exercises, case studies, and scenarios in a combination of online and face-to-face formats. By using a new technology, the Experience API (Tin Can), we will be able to directly connect the effectiveness of the pre-emergency training to the actual relief effort with a better measure of what led to its success. We will look at how these skills are applied in an actual emergency, use the results to improve performance support training and tools and, in turn, improve our ability to serve the people impacted by disaster.

Gretchen Regehr, Learning Manager, Catholic Relief Services

Gretchen Regehr is the Learning Manager for CRS' Human Resources Workforce Development team. Her team focuses on staff, partner and project learning solutions, platforms and programs. She and her team design, develop, and collaborate on classroom, blended and eLearning programs, leveraging learning and talent management platforms to support performance and strategic needs. Prior to joining CRS, Gretchen worked in Eastern Europe and West Africa and has a background in instructional design and educational technology. She has been a member of CRS' ICT4D team and an organizer for the annual ICT4D conferences since their inception in 2010. Gretchen has worked with CRS since 1999.

Bridge International Academies: Disrupting the Way the World Learns

How do you guarantee high-quality education? The same way you guarantee quality in any other field – by integrating technology, data, and rigorous controls into every step of delivery. That's the model driving Bridge International Academies – the world's largest chain of low-cost pre-primary and primary schools, leveraging ICT to bring world-class education to the poorest of the poor, democratizing the right to succeed. Bridge operates over 250 academies serving 80,000 pupils living on $1.24 per person. Its pupils score an average of 35% higher on core reading skills and 19% higher on core math's skills than their peers in neighboring schools!

Marie Leznicki, Bridge International Academies

Marie leads Bridge International Academies' brand strategy group, developing and implementing the marketing, communications, and innovations tactics that have allowed Bridge to become the largest chain of primary and pre-primary schools in Africa. The first Bridge International Academy opened in 2009. As of January 2014, the company has more than 250 academies serving 80,000 pupils and employing over 3,000 people. By 2025, Bridge plans to call 10,000,000 children their pupils.

Wednesday, March 26

Plenary

ICT Entrepreneurship in Africa

Dr. Bigange Ndemo, University of Nairobi

Dr. Ndemo is a Professor of Entrepreneurship and Research Methods at the University of Nairobi, and also the honorary chairperson of the Alliance for Affordable Internet (A4AI). He is immediate former Permanent Secretary, Ministry of Information and Communications, Kenya. Beside serving as PS at the Ministry of Information and Communications where he orchestrated policy formulation, he currently is steering a campaign to lower the cost of accessing ICT (Connectivity, Hardware and Software) in Kenya and the region and at the fore-front of developing the demand-side of ICTs by actively promoting Business Process Outsourcing (BPO) in urban centres to showcase ICT entrepreneurial opportunities through digital villages in rural Kenya. He is regarded as the father of Broadband in Kenya, having championed the development of Fibre Optic cables and other supporting infrastructure to the Eastern Africa region making Kenya one of the most wired countries in the World. It was during his tenure as Permanent Secretary that Information and Communications Technologies (ICTs) became to be regarded as a critical component to the country's economic development. His works, such as Open Data, incubation of start-ups, Konza Technology Park, etc, propelled him to the global stage. Today Kenya is regarded as the regional ICT hub. Currently, he teaches Entrepreneurship and Research Methods at the University of Nairobi's Business School and conducts research on social entrepreneurship. He joined University of Nairobi in 1993 as a Tutorial Fellow rising through the ranks to become a Senior Lecturer before moving to civil service in 2005. Between 1989 and 1993, he was a Financial Systems Analyst with Medtronic Inc. a Fortune 500 company in the USA. Dr Ndemo is now focusing his energies on the demand side of IT through aggressive local content development. Besides having authored several papers and published in international development journals, he has also contributed in a number of policy papers. He holds a Bachelor's degree in Finance and Accounting from University of Minnesota, an MBA from University of St. Thomas, St. Paul, Minnesota and a PhD degree in Industrial Economics from the University of Sheffield, England. He also serves on the Board of Better than Cash Alliance, a global initiative to digitalize payment systems world-wide.

Mobile Technology and the Banking Industry

Geoffrey Gursel, Citibank

Geoffrey Gursel has been at Citi for 9 years and he is currently based in Nairobi, Kenya, where he is responsible for streamlining cash management solutions for corporate, public and development sector organizations looking to enter, expand and restrategize in Africa. Geoffrey's focus is to help showcase relevant regulatory, government, banking and technological changes and themes across the continent that affect the treasury and banking relationship framework for Citi's clients. Prior to his current role, Geoffrey worked with Citi in Johannesburg, London and New York in various sales and marketing roles within Citi's transactional banking division. Born in New York, Geoffrey, who speaks French, also served 2.5 years in the US Peace Corps in Gabon, Central Africa, teaching English.

Agriculture and Livelihoods

Mobile Job Matching to Promote Development and Resilience

In times of regional stress, employment generation is a key to rebuilding communities and enhancing resilience: It brings income into ailing environments, it contributes to the continuity of local businesses, and it can serve as a source of labor for reconstruction. This session will: present key lessons learned from Souktel's delivery of mobile job information services to support employment projects in crisis and post-crisis settings across Africa; outline the business model that enabled this donor-funded project to transition into a commercial service; and, provide an overview of the scale-up strategy that enabled the service to launch in additional countries.

Maggie McDonough, US Director, Souktel Inc.

Maggie is an accomplished international development specialist with over 15 years of experience. She currently serves as the US Director for Souktel, a small business that provides mobile services in support of development and humanitarian response programming globally. Prior to joining Souktel, she was a member of leading nonprofit IREX, where she managed media development programs and new business development. She also spent 2 years at IFES supporting programs on civic education, political party development, and election administration. Maggie holds a BA in History from the University of Michigan and an MA in International Affairs from the George Washington University.

Key Factors of Significant Change through ICTs in Climate Adaptive Agriculture in Bangladesh

This presentation provides a results of a pilot study of Practical Answers- a unique knowledge service project of the Practical Action. The Practical Answers works through a working model that primarily includes and ICTs based knowledge center (called *Gayner Hat*) at the grassroots. A group of technology equipped extension workers (commonly known as RTEs) are linked up with the center. When community people face any problem or need any information, they call the RTE. In response, the RTE provides solutions by searching offline or online contents that are available at the local *Gayner Hat*. Applying survey and case study methods for data collection, the evaluation found that community people have been receiving information and inputs on climate adaptive agriculture from RTEs. Subsequently, according to 78% of the respondents, it has benefitted in their increased agricultural production. Of them, 65% and 60% mentioned that their income and knowledge has also increased, respectively. The evaluation also unveiled that respondents value trustworthy relationships between information providers and information seekers.

Mokhlesur Rahman Sagar, Coordinator, M&E and Impact, Practical Action Bangladesh

E-business, Health Outcomes and Women Traders in Horticultural Value Chains

The last decade has seen an upsurge in mobile technology application in business. Women traders in the horticultural value chain who used to travel for virtually every business inquiry, order, purchase and payment are ecstatic about the endless possibilities with mobile technology for Zimbabwe's operators including, Econet Wireless Zimbabwe (EWZ), Telecel and Netone. EWZ brands include Buddie, Business Partna, EcoCash, EcoSolar and EcoFarmer. The packages offered by Netone include Easy Call, Post Paid Services and Relaks. This presentation will look at the benefits of mobile technology application in horticulture business by women traders. Generally, women are reporting better health outcomes and wide and far reaching business opportunities, efficiency and effectiveness. The way of doing business has also radically changed for them.

Olivia Muza, Independent Consultant

Using Mobile Phone Technology to Provide Ag Extension Services through the Community Knowledge Workers Approach-Increasing Farmer Resilience through Improved Access to Quality Information
Gumutindo Coffee Cooperative in Uganda provides extension, procurement, and marketing services to members to enhance productivity and increase incomes, requiring considerable human resource and time investments. To increase efficiencies, Lutheran World Relief and Grameen Foundation introduced a mobile platform for community extension workers to disseminate agronomy reference content and collect data. The data is used for project M&E and to aggregate information about farms, to help the cooperative improve services. The session will provide a background on technology enhanced farmer extension services and demonstrate to participants the use of mobile phone technology.

Mr. Geoffrey Mabirizi Nsereko, Programs Manager, Lutheran World Relief-Uganda
Mr. Geoffrey Mabirizi is an Agribusiness development adviser with over 10 years work experience on projects with Uganda Cooperative Alliance, Swedish Cooperative Centre / Vi Agroforestry, USAID-CRS LEAD, Uganda Entrepreneurship Development Institute. He is currently a Program Manager for Uganda at Lutheran World Relief, responsible for supporting local economies to get integrated in maize, beans and coffee value chains. Mabirizi has worked with LWR in Uganda to facilitate seven implementing partner organizations to establish structures, systems, strategies and resources to extend services to over 45,000 smallholders to produce and market coffee, maize, and beans locally and internationally.

Prep-Eez's e-Agriculture for West Africa
Prep-Eez Ltd. Ghana, has a solution for agriculture in West Africa which has reduced extension officer to farmer ratio, with an audio support messaging system and a 24/7 call centre. Extension officers use the system to capture data, deliver messages to their farmers, train farmers, answer farmers' concerns and also report epidemics with photo-reporting and GPS location. Farmers, with a standard mobile phone, speak to experts or access information on an IVR. One significant modification is that farmers post their produce on the portal which is accessed across the globe by prospective buyers.

Mr. Frederick Kobbyna Acquaah, Director of Operations, Prep-Eez Tech Ltd, Ghana
Mr. Frederick Kobbyna Acquaah is a Farmer, a Lecturer and a Business Development Consultant. He is currently the Director of Operations of Prep-Eez Tech Ltd, Ghana. He holds an MBA in General Management from the University of Cape Coast in Ghana and has been in charge of operations at Prep-Eez for the past two years. Mr. Acquaah has extensive working experience in poverty alleviation as well as job creation projects and solutions, with a bias in agriculture and apparel production, spanning a period of over 15 years.

Leveraging Social Networks for Agricultural Extension in Africa
One of the major problems in low agricultural productivity lies in poor access to knowledge of small holder farmers about farming itself. Television and radio broadcast are too general for practical use while agriculture extension through individual interaction is limited in its scope and reach. Digital Green's technology-enabled approach that empowers farmers to produce participatory videos on locally relevant practices is 10 times more cost effective with seven times higher uptake of new practices compared to classical extension system. Local social networks are tapped to connect farmers with experts and homophily are leveraged to minimize the distance between teacher and learner.

Vinay Kumar, Digital Green
Mr. Vinay Kumar provides leadership to program strategy, organizational development and operations. His interests include sustainable agriculture, livelihood and public health and he has extensive experience in public, private and nonprofit sectors. He was earlier India Operations Director for a Seattle based nonprofit. He was also Regional Operations Leader for Asia / Near East at IntraHealth International Inc., an affiliate of the University of North Carolina at Chapel Hill. Vinay has master's degrees in business administration, political science and an M. Phil. in international relations.

Designing mAgri Services to Meet Demand from Farmers
Smallholder farmers need access to relevant information, finance and efficient supply chains in order to improve their livelihoods. Designing mobile services that can address the needs of farmers, while maintaining commercial viability, is a challenging task. The GSMA mAgri Program is working with mobile service providers and agriculture partners in Asia

and Africa to understand farmers' information and financial needs, and design and monitor mobile agriculture services that help to build resilience.

Ms. Victoria Clause, Manager, mAgri Program and mFarmer Initiative, GSMA, Kenya

Victoria is a Manager on the GSMA mAgri Program which aims to catalyse scalable, commercial mobile services that improve the productivity and incomes of smallholder farmers and benefit the agriculture sector in emerging markets. Victoria is based in the GSMA's Nairobi office and provides strategy advice around commercialisation, service design, business development and marketing to mAgri products and services. Victoria is currently working closely with Airtel Kenya on their Airtel Kilimo service for farmers. Previously Victoria worked at the Commonwealth Telecommunications Organisation as Program Officer organizing ICT training programs in Africa, the Pacific, Asia and the Caribbean.

Smart Value Chains: Using Smartphone and GIS technology to Increase Control and Transparency of Agricultural Value Chains

Smallholder farmers face a number of big challenges such as volatility of world market prices, changing weather patterns, inadequate agricultural practices, limited information and market access, poor infrastructure, as well as lack of finances. GIZ and SAP developed and implemented an IT solution for several agricultural value chains. Individual farmers, their production capacity, their produce deliveries and their payments are recorded. Producers, sellers, buyers and service providers collaborate seamlessly through a system tailored to the needs of Base of the Pyramid businesses. Agricultural services, financial service providers, as well as input suppliers link into the system. With declining transaction costs and increasing control, profitability increases for all players. This solution is the proud 2013 winner of the "First Runner-up East African Agribusiness Award for the Most Appropriate Technology".

Mr. Benedikt Brenke, Program Advisor for Innovative Financial Solutions, GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit) Uganda

After almost 20 years of professional experience in the private as well as public sector, and after leading projects in Europe, Asia and Africa, Benedikt is convinced that the combination of the innovative energy of private sector players with an enabling facilitation of the public sector can bring about new and game changing approaches. Commercially, he has been working as a business and IT consultant, as a business developer, and an executive key-account manager, both employed and as an entrepreneur. He found himself drawn toward taking on a bigger challenge by tackling issues in the developing world. He joined GIZ in 2008 to work in the areas of microfinance, agriculture and education.

Rural GSM Solution

Rural Africa has been left out of the mobile revolution sweeping urban Africa. There are many reasons but it is mainly due to money – or the lack thereof. However, technology has finally evolved to the point where it is viable to provide connectivity on a sustainable and profitable basis just about anywhere. Connect Africa is an innovator in rural service delivery and will present a way forward to connect rural Africa – the technology, the logistics, the challenges, both past and present, and, most importantly, the opportunities that lie ahead. Africa's future lies in the innovative use of ICT.

Jane Haynes, Africa Connect Head of Operations

Jane joined Connect Africa in 2010 from a career in financial management in the engineering sector.
Her operations and financial experience has helped Connect Africa through a comprehensive series of "proof the concept" trials to being ready to roll out in multiple countries across Africa. The trials subsequently led to the development of a sustainable end-to-end rural GSM coverage solution for underserved rural communities. Combining cutting edge base station technologies, new infrastructure (tower and power) solutions, rural service centers and an innovative business model Connect Africa has developed a cohesive and viable answer to address the digital divide.

The Role of ICT in Improving Livelihoods: Digital Jobs that Transform Lives

The vision of iMerit, a social enterprise in India, is to economically empower rural women and youth from marginalized communities by developing livelihood skills as required by the IT-enabled services industry. It mobilizes these youth and women and then trains them through a twelve week intensive Market Aligned IT and job readiness course that prepares them for employment in the new web economy and IT BPO industry. iMerit employs many of these graduates in IT Project Service Centers where they work in teams to deliver high quality, agile services for global clients at a

transformational cost structure. They work in areas like Digital Publishing, web services, applications testing and IT Help Desk. The example described here is the success of the Level 1 Global Service Desk project for CRS.

Dr. Radha Basu, iMerit

Radha Ramaswami Basu has over 35 years of experience in technology management. She is widely recognized as a leading woman entrepreneur in hi-tech companies and as a pioneer in the Indian software business. Radha spent 20 years at Hewlett Packard in engineering and general management. In 1985 she founded the company's operations in India and set up the first software center of any multinational in Bangalore. She then became General Manager of Hewlett Packard Electronic Business Software Division, which she grew to a $1.2 billion global business. Radha held the position of Chairman and CEO at Support.com from July 1999 to May 2006. She led the company through initial and secondary public offerings in 2000 and 2003, and built it into a worldwide market leader in support automation software. In 2006, Radha and her husband Dipak created the Anudip Foundation, a social enterprise in India with the mission of generating livelihood opportunities for marginalized people through market aligned skills training in information technology and micro entrepreneurship. Anudip has impacted more than 17,000 rural women and youth to obtain livelihoods in the new economy. In 2011, Radha founded and is CEO of iMerit Inc., a technology services company www.iMerit.net that has pioneered the 'smartsourcing model' with Anudip graduates working on web enabled IT services for global customers. Radha is currently serving as Director, Frugal Innovation Lab at Santa Clara University and sits on the boards of NetHope, Santa Clara University CSTS and Jhumki Basu Foundation. Radha has won numerous awards including Excelsior Leadership, Top25 Women of the Web, CEO of the Year 2000, Leader of the Millennium, and has been profiled in the *Wall Street Journal, Business Week, Upside Magazine* and *Economic Times.* She has featured as a guest speaker at Oxford University, Wharton, MIT Sloan, Stanford Business School, Santa Clara University, and the *Forbes* Executive Summit.

Ms. Monalisa Banerjee, Project Manager, iMerit Technology Services Pvt. Ltd., India

Monalisa Banerjee is the current Project Manager of iMerit's Global Service Desk. Monalisa brings 7 years of experience in project management from her work in telecom, web development, e-commerce, and applications testing. She has developed skills over her career working in leadership roles in IT outsourcing and client management. Monalisa began her career at Ericsson India focusing on analysis of telecom parameters, before becoming a Technical Support Engineer at QA Infotech. At Broadway InfoTech she developed her skills as a Project Coordinator managing Documentation Resource Planning, targeted deliverables, and client relationships. Under her Supervision, the CRS Global Service Desk has achieved an overall increase in terms of first contact resolution and hitting a customer satisfaction rating of 95%.

Andrew Gross, Senior Director Global Services, Catholic Relief Services

Mr. Andrew Gross is the Senior Director of Global Services of the Global Knowledge and Information Management Department at Catholic Relief Services. Andrew is responsible for CRS' service centers worldwide and for their delivery of the operation, maintenance, and support services needed to provide continuity, integrity, and usefulness of CRS information technology systems. Prior to CRS Andrew worked with AEGON Global Technologies where he was the senior manager responsible for delivery of technology services to clients in the Americas, Europe, and various Asia / Pacific Rim countries. He has diverse technology experience with a strong emphasis on delivery of information technology services to global enterprises. He is skilled at building and leveraging relationships, leading cross-functional teams, driving organizational change, and maximizing the value of third-party suppliers. He has a track record of achieving operational cost reductions while delivering world-class technology services. Andrew holds an MS degree in Information and Telecommunication Systems from Johns Hopkins University and a BS in Economics from the University of North Carolina. He is an active member of the Maryland Technology Roundtable Group and holds a Managing Projects Certificate from George Washington University.

The International Rescue Committee – Microfranchise Programs for Youth

Integrating young adults into the formal labor market is a major challenge facing developing nations, particularly in Africa. High levels of unemployment, especially among youth, have led many policymakers to advocate microfinance and other forms of credit market expansion aimed at promoting entrepreneurship. However, many youth interventions focus only on the "supply side" – developing youth life and leadership skills, for example – and not "demand-side" activities that respond to market needs. At the same time identifying a viable business opportunity, developing a business plan and accessing start-up capital are common barriers that a prospective micro-entrepreneur faces. Empirical evidence on the overall impacts of expanding credit access and providing capital to entrepreneurs has been

decidedly mixed, particularly among women. Micro franchising, which connects unemployed participants with businesses via small-scale, multi-person franchises, is a recent policy innovation whose efficacy has not yet been convincingly demonstrated. By eliminating the need to develop a novel business model, but leaving participants to manage their own time and entrepreneurial effort, micro franchising strikes a middle ground between full entrepreneurship and conventional salaried employment. The learning will focus on one specific project implemented by IRC in Nairobi, Kenya. The Girls Empowered by Microfranchise Program (GEM), supports the development of microfranchise businesses for 2,400 girls aged 17-19 in Eastleigh, Huruma and Mathare. The program is currently in its second year of implementation, and its effectiveness and cost-effectiveness are being assessed using a randomized control trial methodology. In this research, applicants are randomly assigned to one of three treatment groups: the GEM micro franchising program, cash grant treatment, and a pure control group. Initial research findings on impacts and value for money of the various approaches will be shared, as well in program insights on the innovative partnership model.

Barri Shorey, Youth and Livelihoods Technical Advisor, International Rescue Committee
Barri Shorey is a Technical Advisor for Youth and Livelihoods at the International Rescue Committee (IRC). Barri began working at IRC in 2006 at the very beginnings of the Youth and Livelihoods sector. As TA Barri supports youth and livelihoods programming in West Africa, Rwanda, Burundi, Haiti and Kenya with a specific focus on curriculum development, microfranchise/microenterprise development and private sector partnerships. This has included supporting the design and start-up of the IRC Kenya program's Girls Empowered by Micro-franchise (GEM) project - an all-girls micro-franchise project supporting 2400 young women in Nairobi; working with Burundi on refining its rural apprenticeship model, and supporting the development of emergency Y&L programming in Liberia. Prior to this position, Barri was the Child and Youth Protection and Development Officer in Sierra Leone, in which she managed the IRC's first microfranchise pilot. Barri has a master's degree in international education from the George Washington University and a bachelor of arts in philosophy and religion from Colgate University.

Haiti: Increase our Partners' Capacities to be Resilient in ICT (M2M program)
M2M (Mountain to Market) program was dedicated to support participation through local partners (Cooperatives). CRS has provided Technical support (Management and ICT) to these Cooperatives for program implementation. These cooperatives are able to estimate the level of expected production, the amount of money necessary to buy from farmers, plan transportation of the harvest and necessary staff for processing. With all this preparation, cooperatives avoid losses and increase their income. Therefore, the Membership is stronger and cooperatives become more resilient.

Sony Belizaire, Acting ICT4D Manager, Catholic Relief Services
Mr. Sony Belizaire serves as the Acting ICT4D Manager for the CRS Haiti Department of Monitoring, Evaluation, Accountability, and Learning. He has provided effective ICT4D support to CRS Haiti programming staff and partners, since 2010. He has provided also ICT4D support in Madagascar, Niger and the Democratic Republic of Congo. Prior to working with CRS he taught computer science at Centre Universitaire de Management de Productivite from 2006 to 2010. In addition to his work at CRS, Sony teaches GIS at Ecole Superieur d'Infotronique d'Haiti (ESIH).

Multi-Sector

The "3-2-1" Information Service – a Search Engine for Those Without Access to the Internet
People in the developing world need easy access to on-demand information. But search engines only work if you have access to the Internet and are literate. Most people in the developing world will not have Internet access any time soon. So how can people at the bottom of the pyramid get access to important development information on demand? There are now as many mobile telephones in the world as people. In response, the staff of Human Network International (HNI) created the "3-2-1" Service: A free on-demand information resource accessible using simple mobile phones – a search engine for those without access to the Internet. People use their own simple mobile phones to listen to pre-recorded development messages anywhere and at any time, nationwide, free of charge. The 3-2-1 Service is a public-private collaboration among the Government of Madagascar, Airtel and HNI and has been operational for more than four years. In January 2014, more than 200,000 people made more than 1,000,000 information requests using the 3-2-1 Service.

SESSION ABSTRACTS AND SPEAKER BIOS

Mr. David McAfee, President and CEO, Human Network International

David McAfee is the President and CEO of Human Network International (HNI), a nonprofit organization he co-founded in 2007. HNI is a global development organization dedicated to bringing the benefits of technology to individuals and organizations working in the developing world. HNI works across all sectors to promote the free flow of information between vulnerable groups and development professionals. HNI focuses on three important areas of Information and Communication Technology for Development (ICT4D): 1) mobile data collection services for development professionals; 2) on-demand search engines for simple mobile telephones; and 3) call centers to interview key informants.
Mr. McAfee has over 20 years of development experience beginning as a Peace Corps volunteer in Gabon in 1991.

Building Knowledge Management Tools for Resilience Programming in Ethiopia

Pastoral systems are dynamic and complex. Sustainable improvements in pastoralist resilience must be underpinned by a credible understanding of populations at risk and clarity on project impacts. USAID PRIME's (Ethiopia) Project strategy emphasizes **innovation and learning** in all activities. In line with the project's learning strategy, Kimetrica will demonstrate its innovative, cutting-edge information management tools to: a) estimate populations in need, within or across administrative zones. Weather, conflict, and disease do not adhere to administrative boundaries; and b) support project planning, monitoring and evaluation (M&E) and the analysis and reporting of M&E data to strengthen the evidence-base for decision-making in its PRIME Project in Ethiopia.

Ms. Evaline Diang'a, Kimetrica LLC

Ms. Diang'a is a Technical Advisor/Deputy Chief of Party for the FEWS NET Technical Support Contract within Kimetrica. She identifies and facilitates the mainstreaming of technology innovation to support FEWS NET's early warning functions. She previously worked with WFP in Vulnerability Analysis and Mapping (VAM). Diang'a holds a master's degree in International Relations from Johns Hopkins University School of Advanced International Studies (SAIS).

Eric Muchugu, Kimetrica LLC

Eric Muchugu is a GIS and Data Resources Team Leader with over 15 years' experience in GIS industry. He is an expert in spatial analysis, database design and implementation including, technical/scientific writing. He has applied GIS in agriculture, biological sciences, socio-economic, and water sectors. His work has also focused on geospatial web application development and predictive analytics for natural resources, conservation, water management, healthcare, and retail industry. He got his GIS training from University of Bern, Switzerland.

Digital Data for Partners building Resilient Communities: Lessons, Challenges and Results from a Sustainable Livelihoods ICT4D Pilot in Malawi

In Malawi, a digital data pilot is supporting Trócaire's work on food and income security, and vulnerability to climate change. Our partners, local NGOs, use cheap phones to conduct monitoring surveys with communities to track their changing vulnerabilities. Surveys are pre-loaded to the phone using TaroWorks, which facilitates uploading of collected data to Salesforce for instant online access. The pilot has delivered results and highlighted challenges in data management, partner capacity building, and efficiency in data collation and analysis.

Ms. Maria Collison, Sustainable Livelihoods Monitoring and Evaluation Intern, Trocaire

Ms. Maria Collison is Trócaire's Livelihoods Monitoring and Evaluation intern. She holds a degree in Economics from Trinity College Dublin, and has worked in areas of research, corporate banking and international development. She joined Trócaire in 2012 where she supported Program Cycle Management initiatives through delivery of training and resource materials. Currently based in Malawi, Maria is managing a digital data pilot and providing monitoring and evaluation support. She is particularly interested in program quality and the use of data to improve NGO impact.

UNICEF and ICT4D: Improving Lives in Eastern and Southern Africa

While innovative programming offers many opportunities, various challenges emerge when integrating it into large organizations. UNICEF's innovation work, in which ICT4D is only one component, has not been immune to these challenges. The uptake of innovation has been varied across Country Offices and a wide range of maturity exists to develop successful and sustainable solutions. Over the last year UNICEF has been strategizing how to best support Country Office initiatives while simultaneously ensuring alignment of global strategy and priorities. The presentation will highlight a few lessons learned as well as takeaways on our efforts to incorporate innovation across the organization.

SESSION ABSTRACTS AND SPEAKER BIOS

Georgia Hill, UNICEF Eastern and Southern Africa Regional Office (ESARO), Regional ICT Specialist
Georgia Hill is a consultant for UNICEF in the Eastern and Southern African Regional Office. As a T4D and Innovation consultant at the regional level she works closely with both Country Offices and the Global Innovation team to ensure harmonization of actions and strategy at all level of the organization. Previously, she was completing a master's degree at the University of Oxford. She is speaking on behalf of the Eastern and Southern African Regional ICT Director.

Know Where Your Stuff is---CRS' Supply Chain Management System is Here for You!
CRS' Supply Chain Management System (SCMS) is currently being used in six countries, and will gradually be rolled out across the agency. The system will facilitate significant improvements in the management of all material resources. This session will include an overview of SCMS and current deployment plans. Participants will be able to perform tasks in the system sandbox, such as the creation of a purchase requisition, a receipt or dispatch of inventory, etc.

Nicole S. Balliette, Commodity and Supply Chain Management Director, Catholic Relief Services,
Nicole Balliette oversees the CRS commodity and supply chain management unit, which is responsible for developing and supporting strategies to improve supply chain management practices. Ms. Balliette spent 11 of her 14 years with CRS in Angola, Sri Lanka, Sierra Leone and Eastern Congo. She has served as program manager, head of office, head of programs and country representative. Prior to joining CRS, she worked four years in Mozambique.
Ms. Balliette received a B.A. from Fordham University and a M.Sc. in Development Management from American University. She speaks Portuguese and French.

Electricity for ICT4D: Estimating the Cost of Reliable Electricity from Grid Extension and Distributed Energy Resources
There has been much analysis and effort toward determining when and where grid extension or distributed energy resources (DER) are more economical for addressing electricity availability and reliability challenges in the developing world. What is lacking is an understanding that even where the grid reaches people, in the developing world it is not reliable. The trade-off, therefore, is not necessarily just between bulk grid and DER, but whether both are necessary, affordable and optimal for supporting near term and long term development. Analyses will focus on Northern Uganda using three sites where we are installing kilowatt scale solar-hybrid microgrids, but the method is extensible to any region.

Mr. Patrick Murphy, Notre Dame Initiative for Global Development (NDIGD), University of Notre Dame, USA
Mr. Murphy develops and leads programs that focus University of Notre Dame faculty expertise on mitigating the challenges of economic and social development worldwide. Murphy's emphasis is on renewable energy solutions in challenging environments, like Uganda and the Congo. By combining electricity access with Internet and Communications Technologies (ICT), education, and entrepreneurship, we promote organic and sustainable growth. Previously, Murphy led research projects for the US Department of Homeland Security and the Department of Defense, and served in multiple positions as U.S. army intelligence officer. Murphy is currently a Ph.D. candidate in Operations Research at the George Washington University.

Findings from the Development and Implementation of KnowledgePoint, an Online, Collaborative and Cross-Organizational Advisory Service for Communities Affected by Humanitarian Crises and Those Working to Support Them
What is KnowledgePoint? KnowledgePoint is a highly collaborative process and platform for sharing expert advice across organizational, sectorial and geographic boundaries.
What problems does it solve? Technical, specialist, and context-specific knowledge are essential for building resilience. It has been recognized that information services must innovate and become more collaborative to meet complex and diverse needs of vulnerable communities and those working to support them. How does it benefit people? KnowledgePoint enables knowledge exchange between many individuals and partners, improving access to personnel with diverse experience and expertise. The presentation will describe our work, sharing successes and lessons learned.

Timothy Kent, Project Manager, KnowledgePoint
Timothy comes from a background of technology development in both the commercial and nonprofit sectors. As Project Manager of KnowledgePoint, he follows his interests and experience in innovating and delivering products and services together with viable business models. For Tim, recent experiences of working with the KnowledgePoint team, seeing

KnowledgePoint's experts and enquirers building a community, and witnessing the strong growth in use of KnowledgePoint have been highly rewarding.

ICT4Evaluation: Use of iFormBuilder and Zoho Reports to Evaluate Impact of the CRS' Child Behind Project

The Child Behind Project supported by CRS Kenya has been under implementation for over 10 years and has gone through three distinct phases in line with changes in OVC programming across Africa. Such evolutionary programs have historically posed a challenge in evaluating them due to changes in their designs. In most cases, evaluating them is very costly and logistically challenging. Having worked with iFormBuilder platform for over one year, CRS Kenya decided to use this mobile software in evaluating the TCB (The Children Behind) project. In the process the organization learned critical lessons and made significant accomplishments that are worth sharing to various stakeholders and other interested parties. The presentation will focus mainly on the process, findings key learnings gained from the evaluation process.

Mr. Yared Gebremichael, MEAL- ICT4D Advisor, Catholic Relief Services

As CRS Ethiopia's MEAL ICT4D Advisor, Yared is responsible to lead the rollout and timely setup of supportive ICT4D digital MEAL system for all projects in Ethiopia and support ICT4D projects in EARO Country Programs. In addition, he provides direction and facilitates learning in reflective events, also manages communication of MEAL findings on time to ensure a common vision and project identity. Currently, he works closely with EARO CP CRS staff and primary stakeholders utilizing appropriate ICT4D tools to collect M&E data, track program performance, innovatively using dashboard, regular data analysis and undertake regular data quality assessments.

Gregory Makabila, Agriculture Program Quality and Strategic Initiatives Coordinator, Catholic Relief Services

Mr. Makabila leads the Monitoring, Evaluation, Accountability and Learning (MEAL) Unit of CRS Kenya Country Program. He has worked in the development sector for over 10 years focusing on program design, monitoring and evaluation. Makabila has mainly focused on the use of technology to cut cost and improve efficiency of program evaluations. He has used various mobile data gathering and management platforms with recent examples including Nokia Data Gathering Software, Magpi, POI Mapper, Frontline sms and most recently iFormBuilder. Makabila is currently a Ph.D. candidate in strategic management focusing on knowledge management at the Jomo Kenyatta University of Agriculture and Technology.

Doing Mobile Right: Balancing Human Interaction and Technology

Echo Mobile is a web-based platform that leverages mobile technology to make it simple for organizations of all sizes to communicate with difficult-to-reach clients via SMS, Android, or mobile web. This presentation looks at how the Echo platform encourages organizations to couple human interaction with mobile technology to create frequent, yet trusted, interactions between organizations and their clients. The presentation will use case studies of two Echo Mobile clients, The Nature Conservancy and UNICEF to outline how this technology, along with calculated human interface, has helped vulnerable populations in Kenya deal with adverse shocks.

Ms. Zoe Cohen, Chief Executive Officer, Echo Mobile, Kenya

As the CEO of Echo Mobile, Zoe manages both the technology and the customer support team who work to provide Echo clients with a user friendly web-based platform to easily communicate with clients via SMS and/or android-based devices. Zoe joined EchoMobile after working with Catholic Relief Services (CRS) in Kenya. Prior to moving to Kenya, Zoe worked between Latin America and the US with both Development Alternatives Inc. (DAI) and Innovations for Poverty Action. Zoe has a MA in International Affairs and International Development from the Johns Hopkins School of Advanced International Studies, as well as a BA from Wesleyan University.

Re-engineering Programs using Geographic Information System Story-telling a Case of Homa Bay

Developing countries and especially Kenya have seen a tremendous increase in ICT access and use over the past decades. There is unprecedented spread of mobile technologies in development work resulting from the dramatic reduction in cost of mobile phones communication and Internet charges. The use of ICT has seen dramatic shift from intensive paper work to electronic based documentation and communication. Globally, the use of paper is being reduced due to its effect on the environment and thus the need for shift to use of ICT. Development organizations such as Plan International, are adopting and embracing technology. This is in line with the Kenya country strategic plan (CSP)

which embraces ICT and innovations. Hence some of its key strategies toward the realization of its programs are participatory information and technology, modeling and scaling up of good practices and innovations.

Toward this end, Homa Bay PU is currently implementing a GIS (Geographic Information System) application to harness the technological innovation and tap into emerging technological trends. The project is using a customized, tailor made application for real time capture of data, management and analysis of data and visualization onto maps. The application is being provided by Esri Eastern Africa which is a leader in the geospatial industry in Eastern Africa offering GIS products and service. The web application is hosted on Amazon cloud, which runs on ArcGIS server. The data collection tool runs on an android platform and is deployed on a mobile phone and Trimble Juno GPS device.

Ms. Eunice Kirii, IT Coordinator, Plan International, Inc.

Ms. Kirii has over eight years' experience in ICT, both support and management of IT projects, and is responsible for providing technical and network support to 40 staff members, as well as technical and strategic advice to management on ICT related issues, such as infrastructure, budgets, systems and various ICT4D projects. Most recently, Ms. Kirii spearheaded the writing of a concept on improving planning and learning using GIS, which was approved by management and the concept paper funded to the tune of Kshs 3.5Million. The web application is hosted on the cloud, supported by Amazon, and is a first for Plan International to have its own instance on the cloud. Ms. Kirii has been instrumental in revamping ICT centers in the areas Plan International works in Homa Bay County, in schools and also youth centers which the youth use as resource centers.

Enhancing ECCD Via Mobile Videos Technology

Mobile video technology ensures that children's potential as a result of adequate early childhood care and development services is promoted. It's a low-cost innovation that can be customized in different local contexts with an impact on improving the practices of caregivers, parenting group facilitators and parents themselves. Seeing new practice in action through videos can bring training materials to life and make them real for participants, thereby building confidence to try new practices. The innovation captures, and shares videos in communities with no access to electricity. The equipment package includes mobile phones that run video content, and a battery-enabled mini projector for showing videos to larger audiences.

Mr. Remmy Ojara George Akena, Project Facilitator, Plan Uganda

Mr. Ojara has expertise in ECCD, child rights, ICT4E programming and implementation, as well as financial control and management. Mr. Ojara provides technical and administrative support to Plan Uganda's ECCD project. He successfully coordinated the implementation of use of mobile videos in supporting Plan Uganda's ECCD Goals. He has documented the lessons learned, best practices, and generated recommendations for the best management and implementation of using mobile video technology in any given project. Mr. Ojara also represented Plan Uganda in the June 2013 Nokia innovation trip in Nairobi on, "*enhancing learning through technology*".

More than an iPad Mini

CRS Laos is implementing a United States Department of Agriculture (USDA) funded Food For Education (FFE) program called LEAPS (Learning and Engaging All in Primary Schools) targeting 319 schools (approximately 35,000 school-age children, 638 stock keepers and 900 cooks) in 6 remote, impoverished districts of Laos. LEAPS' main goals are to increase and maintain enrollment, attendance, and attentiveness of children in target districts. To date, CRS field staff use iPads Mini to monitor the project through the iFormBuilder platform covering about 340 questions on 12 forms, and to enhance program quality. Successes, challenges and ongoing learning regarding mini iPad use within a multi-sectoral project will be presented.

Mr. Vatvisa Keosalivong, M&E Coordinator, Catholic Relief Services

Mr. Vatvisa Keosalivong recently finished his master's degree in Public Health from the University of Melbourne, Australia. He has held the CRS Laos Monitoring and Evaluation Coordinator position since September 2013 with the USDA Food for Education (FFE) program. His background is in Law, Gender, and Public Health and he has worked in these areas for several years. He recently successfully led the co-funded AusAID and ADB cross-border HIV prevention program (Laos-Vietnam) with World Vision Australia. Mr. Keosalivong wishes to bring his expertise to CRS' LEAPS in Laos to support the achievement of similar, innovative successes through his M&E and ICT4D work.

Emergency Response, Health and Education

Community Health Workers and mHealth: Health Systems Strengthening Approaches from Uganda

Over 7,227 VHTs have been trained in case management of malaria, pneumonia and diarrhea in Uganda. Mobile health (mHealth) describes the use of portable electronic devices with software applications to provide health services and manage patient information. This mobile technology has improved commodity supply, medicine monitoring, community health worker motivation, retention, supervision and ultimately performance. Simple Java enabled mobile phones are used by VHTs to submit weekly reports. It's an affordable and sustainable solution that is helping the Ugandan Ministry of Health to improve services, prevent stock-outs, and provide supportive supervision to VHT which is critical to health systems strengthening.

Samuel Ronald Busiku, Technical Officer, Technology for Development (T4D) Malaria Consortium Uganda

Mr. Busiku is a Technical Officer-T4D, at Malaria Consortium Uganda. He is a graduate of Information Technology from Makerere University and currently pursuing a Master's of Science Degree in Information systems from the same University. For the last Two and Half years, He has worked with UNICEF teams, WHO, MOH and other Health partners in the rollout of mTrac, an mHealth initiative that involves use of mobile phones to report on weekly indicators of malaria, pneumonia and diarrhea in Uganda. His major role is coordination and support to Districts in the rollout and implementation of mTrac. He ensures that VHTs are empowered in their roles for improved timely weekly reporting, timely drug replenishment to prevent stock-outs.

Using the M-Pesa Pay Bill Service in Emergency Response

Catholic Relief Services, Kenya in partnership with Fafi Integrated Development Association (FAIDA) has for the last two years implemented the Water, Sanitation and Hygiene (WASH) project in Kambioos Refugee camp in Garissa County. This project was set up with the aim of ensuring that newly-arrived refugees in Kambioos camp meet their immediate sanitation and hygiene needs and are thus empowered to live healthy lives. The Dadaab refugee camp is a challenging environment with limited amenities and infrastructure. This environment posed numerous challenges to the project team when it came to making prompt financial transactions leading to delays in project execution. Rampant insecurity, lack of formal banking institutions and poor road network posed serious constraints to transactions. The CRS project team resolved to ease this challenge by adopting a mobile money transfer solution. M-Pesa Pay-bill was chosen due to its widespread network coverage across the country and especially Dadaab. This technology enabled the project to transact and send money to vendors, beneficiaries and project staff that needed it for various purposes. The M-Pesa paybill service offered by Safaricom has proved to be an effective tool in disbursement of funds to beneficiaries. The M-Pesa service runs from any mobile phone platform which has a user friendly menu that is preloaded on the SIM card once subscribed to the service. The business to customer module enables CRS to disburse funds to the intended beneficiaries and is hosted by Safaricom. Access to the service is through a secure web based console. CRS Kenya will present its experience in the use this technology in the context of emergency and displaced populations.

Jack Kaburu, ICT Manager, Catholic Relief Services - Kenya

Jack Kaburu works for Catholic Relief Services Kenya program within the ICT department. Previously he worked with Mastermind tobacco Ltd as a systems analyst. Jack has experience in project implementation within the IT sector. He is currently pursuing an MBA at United States International University.

The Phone Won't Work!—Practical Ways to Support Low Literate Mobile Users

In India, CRS' ReMiND Project supports 259 government community health workers (CHW) with java-enabled phones operating Dimagi's CommCare software that equips them with multi-media job aids for client assessment, counseling, early identification and treatment/referral of maternal and newborn complications. As first-time mobile users, CHWs need targeted support to build mobile skills and manage technology issues arising with regular phone use in a rural setting. ReMiND uses a CommCare-based monitoring app to assess CHWs' mastery of mobile skills and to report/track software and hardware issues CHWs encounter. Learn more about these and other tools to support low-literate or first-time mobile users.

Mr. Jaya Menon, Program Quality Manager Health, Catholic Relief Services India

Jaya Menon, works as an M&E Manager for CRS' India Health projects. Jaya joined CRS in June 2012 and is engaged in supporting ReMiND, a mobile health based initiative on maternal and child health issues to reduce mortality in one of

the states with poorest health indicators in India. She is currently working to introduce the supervisory application to the cadre of government supervisors who will supervise and handhold the community health workers. Engaged in planning, executing and monitoring key health and nutrition interventions, her association with various national and international agencies in some underdeveloped states of India spans over 13 years. Fluent in Hindi, English, Malayalam and Bengali, Jaya holds a Post Graduate Diploma in Rural Development, Honors Diploma in Information and System Management, and has attended certificate course in TC309 Mobile Phones for Public Health.

Jeffrey Jose, India IT Manager, Catholic Relief Services

Jeffrey Jose supports and manages the ICT-Infrastructure and ICT4D applications for CRS India programs.
Mr. Jose has been working with CRS since 1998. He has made special contributions in developing the FoodLog, strengthening ICT Policies, and developing ICT4D solutions. The combination of his IT skills, passion and talent have enabled him contribute beyond the India Country Program and grow along with the CRS IT organization. Jeffrey has and academic background in computer science engineering and also holds MCSE, MCITP, and CCNA certifications. He is fluent in English, Malayalam and Hindi.

Development of mHealth in Sierra Leone to Monitor and Evaluate the Equitable Distribution of Health Services

Mhealth applications were piloted for 'in' and 'end' process monitoring of nation-wide mass distribution campaigns: vitamin A supplementation, measles immunization, neglected tropical diseases. Electronic questionnaires were developed and pre-tested. The account administrator cleaned, queried where necessary and reported to program implementers. Evidence-based programs need to ensure equitable distribution: reaching the 'hard to reach' who may live in remote geographical settings or increasingly in urban slums. The use of mhealth by monitors helped mitigate distribution weaknesses and enabled corrections even from remote locations and validated end-process coverage essential where population denominators are unreliable as is the case in post-conflict Sierra Leone.

Dr. Mary Hodges, Country Director, Helen Keller International

Dr. Hodges has over 25 years' experience of tropical medicine and human resource development in Sierra Leone. She now develops and supports national Neglected Tropical Diseases elimination and nutrition programs. These focus in building capacity within the Ministries of Health and /or Education including curriculum development, training, monitoring, supervision and evaluation. Due to the nation-wide scope of these programs, innovative means of effectively communicating in- and end-process results have been tested. She was the Training and Research Advisor to the EU-funded Health Sector Support Program and is currently supervising 2 PhD candidates for the Liverpool School of Tropical Medicine.

Open Space Literacy - an Innovative Solution to Integrated Learning in Kenya

Open Space Literacy project (OSL) aims to increase the quality of education in 300 schools across Kenya through a holistic approach that combines teacher's development, digital education content, community involvement and advocacy. OSL project, driven by Plan International, SOS Children's Villages and NetHope, will support children's reading and writing skills in grades 1-3. OSL includes minimal investment in ICT tools, but larger investment on school trainings and community engagement. It is designed to up-skill teachers to become digitally literate and prepare school and pupils for the technology in the day-to-day teaching to achieve better results especially in reading and writing.

Ms. Purity Njeri Mbugua, ICT4D /Education Project Officer, Plan Kenya

Ms. Mbugua is a highly skilled ICT4D professional with over 10 years work experience. Registered with the Teachers' Service Commission, she has taught at Muslim Girls High School, Parklands-Arya Girls and Institute of Advanced Technology, and was twice awarded Best Trainer Award. She has proven ability to fund raise, introduce, implement and monitor ICT Technologies that increase performance, optimize costs and positively impact the lives of children and communities in Kenya. Academically she has a master's degree in Information Systems (university of Nairobi), Bachelor of Education (Mathematics and Accounts); MCSE, MCSA, MCSA (messaging), MCP, MCSD, A+, N+ and ICDL

cStock: Partnering for Scale to Treat Children and Save Lives in Malawi

In 2010 Health Surveillance Assistants (HSAs) in Malawi trained to treat sick children in communities had poor availability of key medicines. cStock is a simple, mHealth system enabling HSAs to use personal phones to report stocks via SMS to resupply facilities. Data is used to resupply HSAs or send stock-out alerts. In 2013 HSAs using cStock had over 80% reporting rates and 14% less stock-outs and low stocks than other districts. A five year plan is guiding scale up and

transition of cStock management to MOH. Sustaining cStock will ensure HSAs have medicines to treat sick children and save lives.

Ms. Yasmin Chandani, SC4CCM Project, Project Director, John Snow Inc.

Yasmin Chandani is the director of Supply Chains for Community Case Management (SC4CCM) project implemented by JSI Research and Training Institute, Inc. Trained in epidemiology and public health, Ms. Chandani has been involved in logistics management of essential health commodities for over 15 years, supporting and advising national governments and NGOs. She knows the issues related to public health supply chains in sub-Saharan Africa extremely well, having worked extensively in many countries, including Kenya, Malawi, Tanzania, Uganda, and Zambia. Ms. Chandani is known for her rigorous attention to quality and her persistent emphasis on skills transfer and systematic, systemic institutionalization.

Combating Human Trafficking in Albania through Mobile Technology

World Vision and NetHope have adapted and are implementing USAID's "Safe from Sale" mobile app in Albania. The Android app, called "Raporto-Shpeto" ("Report-Save Life"), gives users the ability to call the national anti-trafficking hotline, learn about human trafficking, locate services, and report suspected cases of trafficking directly to the responsible authorities in government. The project aims to empower NGOs and the public to address the scourge of modern slavery in Albania. The app is currently being tested with a group of 80 users including anti-trafficking professionals and representatives from vulnerable populations prior to a nationwide rollout.

Dr. Alison Padget, Deputy Chief of Party, Net-Hope

Dr. Alison Padget is the Deputy Chief of Party for the NetHope-USAID Global Broadband and Innovations Alliance and is based in London, UK. Her areas of expertise include extension of broadband access to rural areas to support economic growth, clean energy-powered Internet access, ICT for Development, and management and evaluation of USAID-funded projects. Special interests are the use of mobile apps to promote human rights and counter human trafficking. Dr. Padget's background includes living and working in China and Russia and program evaluation in Austin, Texas.

Beyond Data Silos in Emergency Response

We all agree that information is the key to effective decision making. This is nowhere as important as when natural disasters strike and decisions can mean the difference between life and death. For the past year we at NetHope have therefore been working on breaking down barriers between the data silos in the humanitarian response community. We have identified a number of ways to improve information sharing and get beyond the data silos and in this presentation we will provide a quick overview of them.

Frank Schott, Senior Global Program Director, NetHope, Seattle, WA, USA

Frank Schott has spent almost 30 years in the technology sector. Since 2005, Frank has served as a NetHope Senior Global Program Director in charge of the Field Capacity Building and Emergency Response initiatives. During his time with NetHope, Frank has worked closely with member agencies, corporate partners and NetHope staff to design, develop, and deliver ICT related programs which are shared by the humanitarian sector. In 2010, Frank was named a Microsoft Integral Fellow by the Microsoft Alumni Association. This prestigious award recognizes Microsoft alumni who have made a meaningful difference in the lives of others by using his/her talents, time and resources to contribute to the world. Prior to joining NetHope, Frank worked with public and private sector clients developing programs and solutions around the use of technology in the developing world. His client list includes UNHCR (the U.N. Refugee Agency), the University of Washington, Naguru Teenage Medical Center and Microsoft Corporation. Frank worked for 10 years at Microsoft Corporation in a variety of general management product and sales positions in Redmond and Paris. Prior to that, Frank worked for a variety of software start-ups in various executive level capacities.

Thursday, March 27

Plenary

ICT in the 21st century NGO

ICT is changing the world in which INGOs operate. The status quo is not an option as global changes in ICT are far reaching and they have the potential to be either a significant threat and / or opportunity for NGOs depending on how

NGOs approach the changes. Wide mobile penetration in developing countries, expected to reach over 89% by end of 2013, and low cost mobile-broadband services offers tremendous opportunities for NGOs to leverage ICT4D. Though there are scale-up challenges with ICT initiatives, NGOs need to promote cross-sector collaboration and a systemic environment for cross-border scale-up to succeed. This presentation explores the trends and challenges and looks at what NGOs can do to modify their way of working to better utilize the ICT opportunities and minimize the threats it presents. The themes are aimed at CIO / IT Directors and executive leadership of International NGOs. It is also relevant for IT staff and program staff (field and HQ) as it touches on how NGO staff can work better together with the leadership team to leverage ICT4D.

Mr. Trip Allport, Accenture Development Partnerships

Trip Allport is an experienced Senior Manager in Accenture's Strategy Consulting Practice based in Cape Town, South Africa. Trip is responsible for managing Accenture Development Partnerships (ADP) portfolio of work and client relationships in Africa, along with a number of key relationships and programs in Eastern and Western Africa. ADP provides management and technology consulting services to the international development sector on a nonprofit basis, aiming to support International NGOs, donors, foundations, development agencies, emerging market governments and corporates to strengthen their organizations, build and innovate development programs and broker and manage cross-sectoral partnerships. In his role as ADP Global Programs Lead for Southern Africa, Trip is responsible for driving business development, managing client relationships and providing strategic input to and oversight of a broad range of projects in the region. He has gained considerable experience in the international development sector across a wide range of thematic areas such as in health, agriculture and social enterprise, and functional areas in strategy, operating and business models, partnership structures and strategy, ICT for development, among others. He has traveled widely around Africa and has gained a deep appreciation of the challenges in international development and the realities of working in Africa, and aims to apply this experience to support more effective execution of development initiatives on the ground in Africa.

Frugal Innovation and Impact Investing

The nexus of high-tech, modern capital structures, and the pursuit of social justice is rapidly becoming the epicenter of innovation for industry and humanity alike. To sustainably address human needs in public health, livelihood development, clean water, and renewable energy, solutions must be designed with the contexts of emerging market consumers put *first*. With ideation rooted in end need, a proper balance between functionality and price can be struck that serves the developed world as much as emerging markets. Harnessing the power of adaptable engineering design, leveraging appropriate distribution models, and exercising varying forms of capital to shift from grant to equity based financing can sustain growth in the development of low-cost medical devices, mobile sensors, 3D printing technology, livelihood tools, and so many more.

Dr. Radha Basu, Santa Clara University

Radha Ramaswami Basu has over 35 years of experience in technology management. She is widely recognized as a leading woman entrepreneur in hi-tech companies and as a pioneer in the Indian software business. Radha spent twenty years at Hewlett Packard in engineering and general management. In 1985 she founded the company's operations in India and set up the first software center of any multinational in Bangalore. She then became General Manager of Hewlett Packard Electronic Business Software Division, which she grew to a $1.2 billion global business. Radha held the position of Chairman and CEO at Support.com from July 1999 to May 2006. She led the company through initial and secondary public offerings in 2000 and 2003, and built it into a worldwide market leader in support automation software. In 2006, Radha and her husband Dipak created the Anudip Foundation, a social enterprise in India with the mission of generating livelihood opportunities for marginalized people through market aligned skills training in information technology and micro entrepreneurship. Anudip has impacted more than 17,000 rural women and youth to obtain livelihoods in the new economy. In 2011, Radha founded and is CEO of iMerit Inc., a technology services company www.iMerit.net that has pioneered the 'smartsourcing model' with Anudip graduates working on web enabled IT services for global customers. Radha is currently serving as Director, Frugal Innovation Lab at Santa Clara University and sits on the boards of NetHope, Santa Clara University CSTS and Jhumki Basu Foundation. Radha has won numerous awards including Excelsior Leadership, Top25 Women of the Web, CEO of the Year 2000, Leader of the Millennium, and has been profiled in the *Wall Street Journal, Business Week, Upside Magazine* and *Economic Times.* She has featured as a guest speaker at Oxford University, Wharton, MIT Sloan, Stanford Business School, Santa Clara University, and the *Forbes* Executive Summit

SESSION ABSTRACTS AND SPEAKER BIOS

The Power of Inclusive Electronic Payments

Electronic payment systems like mobile money offer tremendous promise to drive development outcomes. Already we see compelling evidence of the impact of mobile money in countries like Kenya, Tanzania, Pakistan, Bangladesh and others. The diffusion of mobile money has not been without its bumps, however. Yet the potential for inclusive electronic payments goes far beyond mobile money. This presentation will take the viewer through the ups and downs of several mobile money deployments, highlight how we as donors, policy-makers, practitioners, and consumers have helped and hindered, and consider the promise a mobile-enhanced payments ecosystem brings to the development agenda.

Christopher M. Burns, Senior Advisor and Team Lead for Mobile Access, USAID-CGAP

Christopher Burns is the Senior Advisor and Team Lead for Mobile Access with USAID's Mobile Solutions team where he has spearheaded support for, and serves as technical lead to, the GSMA mWomen Program and the Alliance for Affordable Internet, among other partnerships. Prior to USAID, Christopher spent 10 years with the Peace Corps, as Program and Training Officer in Niger, Country Desk Officer for Central Asia, and Agro-Forestry Advisor in Ghana. All told, he has 18 years of technical, supervisory and management experience in international development, largely in the areas of mobile technology, natural resources management, food security and gender integration.

Claudia McKay, Financial Sector Specialist, CGAP's Technology and Business Model Innovation Program

Claudia McKay is a Financial Sector Specialist at CGAP's Technology and Business Model Innovation Program based in Nairobi. Claudia currently leads CGAP's research on applied product innovation as well as market development of digital financial services in East Africa. Prior to working at CGAP, Claudia spent seven years working for Opportunity International, a global network of microfinance organizations providing more than one million of the world's poor with financial services, including four years as Head of Microfinance Banking at Opportunity Bank in Malawi.

Master Class Sessions

Sustainable Mobile Engagement Systems for Community Resilience - the FrontlineSMS Approach

SMS is often used to provide information to communities, helping them to make better-informed decisions and warning them of potential shocks before they happen. Market price interventions are one example, many organizations provide communities with pricing information from different markets so that they can make informed decisions about where to sell and shop. But these approaches are most successful when they are part of a holistic approach to supporting livelihoods - supporting communities of practice, peer knowledge exchange, collective bargaining, and even social safety networks. With an impact on incomes, any project can be made sustainable through modest membership fees and paid-for services.

Participants need to bring a mobile phone with airtime or Laptop with wifi

Ms. Kelly Church, Credit Project Director, Social Impact Lab / Frontline SMS

MS. Kelly Church is the Credit Project Director for the Social Impact Lab, the creators of FrontlineSMS. Kelly is American and currently working on a 2 year DFID funded project in rural Kenya. She is quickly becoming an expert in the field of mobile money transactions in the developing world as Frontline begins to roll out new, open source software, which will allow users to send mobile money, vouchers and airtime to anyone, anywhere in the world. Kelly has taken numerous innovative startups and programs from inception to production and hopes to do the same with Frontline's new payments software.

Do-it-Yourself Data Collection with DataWinners.com

DataWinners is the do-it-yourself data collection service for development professionals. Organizations worldwide use DataWinners to transform paper forms into digital questionnaires. Staff members submit data in seconds using any combination of SMS, Smartphone and Web using the equipment they already have. Collect the data you need today with DataWinners. CRS currently uses DataWinners in many countries. In this session users will: register for a free basic account; build forms; register schools, water points, clinics; submit data using SMS ; learn to Submit data via web and Smartphones; set deadlines and automatic reminders ; analyze data (map, spreadsheet, chart); export data to Excel in one click; and grant user and data sender access**.**

Participants need to bring a mobile phone with airtime or laptop with wifi

SESSION ABSTRACTS AND SPEAKER BIOS

David McAfee, President and CEO, Human Network International (HNI)

David McAfee is the President and CEO of Human Network International (HNI), a nonprofit organization he co-founded in 2007. HNI is a global development organization dedicated to bringing the benefits of technology to individuals and organizations working in the developing world. HNI works across all sectors to promote the free flow of information between vulnerable groups and development professionals. HNI focuses on three important areas of Information and Communication Technology for Development (ICT4D): 1) Mobile data collection services for development professionals; 2) On-demand search engines for simple mobile telephones; and 3) Call centers to interview key informants Mr. McAfee has over 20 years of development experience beginning as a Peace Corps volunteer in Gabon in 1991.

Self Service Mapping and Geospatial Analysis with ArcGIS Online

Web GIS is a new pattern for delivering GIS capabilities. A web map can enable staff to build maps, and share them with their colleagues, working seamlessly across different devices such as iPads and Android tablets or phones. Web GIS technology now makes it possible for project teams to collect data in the field and synchronize it reliably to a cloud-stored geodatabase., then use that data to create maps that showcase the findings of the data, as well as a summary "dashboard" to highlight key findings. Finally, the web maps can be shared across the organization into secure "groups" of invited users. This workshop will present a hands-on session to demonstrate a workflow that users can later adapt to their own project needs. This will demonstrate both map creation and basic geospatial analysis. Participants should bring their own laptops or be prepared to partner with others to participate in the guided exercises.
*** Participants need to bring a laptop or share one with a friend****

Michael Ruth, Consultant/Project Manager, Esri

Mike Ruth works for Esri as a project manager where he leads projects that help NGOs learn and implement GIS to improve the delivery of humanitarian services. In Africa, his projects have helped NGOs streamline their operations to improve health and vaccination, modernize agriculture, and mitigate poverty in Nigeria, Tanzania, Somalia, Niger, Rwanda, Burundi, and Congo. In most of these projects Mike helps NGOs learn and implement the complete GIS process - starting with field data collection and data management, and proceeding to analysis and collaboration using web maps and related publication tools.

Steve Hellen, Director, Solution Architecture and Design, Global Knowledge and Information Management, Catholic Relief Services

With over 15 years of ICT experience, Steve Hellen joined CRS in 2012 to lead a team of architects focused on ICT4D and improvements to systems throughout the agency. Previously, Steve served as Director of Academic Technology at Johns Hopkins University managing learning and student systems. He taught undergraduate GIS and computer science courses. His career began at Accenture where he was involved with all phases of the enterprise applications lifecycle. Steve holds a master's degree in environmental science and policy, Bachelor's in engineering science and post-baccalaureate certificate in GIS. He is a certified project management professional and Microsoft solution developer.

Generating Bar-coded ID Cards for Beneficiaries: The Solution, the Problem being Solved, and the Benefits Derived from its Use

CRS has been using barcoded ID cards to provide to beneficiaries being registered for events such as seed fairs, or providing services in general such as trainings, distributions, etc. Barcoded ID cards provide the following benefits: A unique ID card that is difficult to forge; Advanced validation and fraud reduction as the users are already in the system, and once scanned their name pops up. If they are not registered, their name will not be shown, thus eliminating fraudulent entities. Photos for validation – having a photo of the beneficiary provides an additional security validation mechanism in reducing fraud; Reduced time to data collection. Most of these events require similar information to be collected each time. With beneficiary registration that information is collected once, and a beneficiary registration card is issued. Since the user information is in the system, all that is required is to just scan the barcode instead of collecting the information again.This hands-on workshop will take people through a scenario of data collection, exporting the data, creating the template in Bartender professional, generating the barcodes, and printing them out.
*** Participants need to bring Laptop****

Ognen Plavevski, Architect, ICT4D Solutions, Catholic Relief Services,

Ognen Plavevski is the Architect for ICT4D Solutions for Catholic Relief Services, where he is working with projects that use technology in their field work to identify the best possible solutions that fit their needs by analyzing requirements,

the operating environment, and other factors such as sustainability and cost. He is also working on building capacity by both defining and delivering an agency wide standardized ICT4D training curriculum. He is also working on creating a community that works together around the use of ICT4D, so they can work independently on promoting and exchanging knowledge around ICT4D within CRS.

Dashboard and Reporting Tools for Monitoring and Evaluation
In this workshop you will learn how to take your data from anywhere and create visual reports and dashboards in minutes, not days, that can be shared within organization and outside your organization without required IT help.
Participants need to bring a Laptop

Or Dashevsky, Chief Solution Architect, Catholic Relief Services
Or Dashevsky is the Chief Solution Architect for Catholic Relief Services. He has over 16 years of information technology experience. Or joined CRS in July 2000 and since then has played a key role in many of CRS' technology-based projects' design and implementation. He is versatile in many technology platforms and has been highly recognized inside CRS and by external organizations in the use of innovating solutions to meet business needs.

Farmbook ICT for Agriculture: Distance Learning
Farmbook ICT is designed to reinforce and monitor CRS SMART 'Skills for Marketing and Rural Transformation' projects. Field agents' traditional training is complimented with distance learning products on the *Agilix LMS BrainHoney* platform. The namesake *Farmbook Business Planner* is used by the field agents to register farmer groups, develop business plans and analyze income and expenses (profitability) through the cropping season. Throughout the project, field agents record their activities and trainings in real time using *Map and Track*, a service delivery audit application. This class will showcase the BrainHoney e-learning platform. Additional classes are offered to teach participants to update data and analyze profit margins on a farm business plan and to review use of the Map and Track tool, showing both the field agent reporting devices and the online reports and map of activities.
Participants need to a laptop to all sessions, and a smart phone (Android or iOS device) for session 5 on Map and Track

Suzanne Andrews, Markets and Agriculture Program Specialist, Catholic Relief Services
Suzanne Andrews is managing the rollout of the Farmbook ICT portfolio supporting our 5 Skillset approach to link smallholder farmers to markets. She provides strategic guidance on software development for agriculture, IT-supported agriculture training and integrated rural development programming. Suzanne also works on issues of Local Regional Procurement (LRP) and is also the technical writer on the MARKit guidebook, a Monitoring Analysis and Response Kit for food assistance programs developed in coordination with the interagency LRP Learning Alliance.

Mobile Technology for Field Force Management, M&E and Data Collection
NGOs and social enterprises need real-time data to manage field operations, gain business insights, gauge program impact and understand constituents' needs. Yet working in remote areas without connectivity, directing far-flung teams and collecting data on paper create challenges. TaroWorks is a mobile field force management platform with data collection and monitoring tools optimized for remote operations and a robust analytics database powered by Salesforce. Accessed via Android devices, TaroWorks' two-way, real-time data flow helps headquarters and field staffs gather and interpret data, track operations, monitor impact and evaluate their performance.

Howard Sherman, Marketing and Business Development Manager, Grameen Foundation (TaroWorks™)
Howard manages sales, marketing and account management for TaroWorks™ in Africa. With 25 years of digital media experience as a journalist, business manager and product strategist, he has helped launch or lead eight online content companies. Howard was a senior member of teams that built one of NYC's earliest ISPs, The New York Times' first online events and entertainment guide and patent-pending technology to distribute content to social media platforms. Before joining TaroWorks™, Howard was General Manager of Emerging Business at About.com. He has worked in government and as a strategy consultant for nonprofit organizations.

Using the mHealth Planning Guide: Key Considerations for Integrating Mobile Technology into Health Programs
The guide is intended to help individuals and organizations plan for mHealth deployments in low-resource settings. It provides: orientation to the mHealth planning process for users looking to learn more about integrating mobile

technology into health programs; outlines key considerations and resources for planning an mHealth-focused intervention; and helps build a strong foundation for an mHealth activity. Working through the Guide and using the accompanying planning tools will help users build a solid plan for developing and implementing a mHealth solution.

Ms. Heidi Good Boncana, Program Officer II, ICT and Innovation and K4Health mHealth Portfolio Manager, Center for Communication Programs, Johns Hopkins Bloomberg School of Public Health
Ms. Good Boncana, M.A., is the mHealth Portfolio Manager for USAID-supported Knowledge for Health and Program Officer II ICT and Innovation at Johns Hopkins Bloomberg School of Public Health Center for Communication programs. Her expertise lies in crafting public health information into print, multimedia and knowledge management tools. Over the past 10 years, she has worked with MSF, UNICEF and JHUCCP to create and deliver communication resources for improved knowledge, attitudes and practices across a range of global public health areas. She is particularly interested in use of simple appropriate technologies to reach women in lowest income, lowest access areas.

Fit-for-purpose ICT: Digital Data Collection at Oxfam
New ICT solutions have opened up opportunities for communities and NGOs to conduct real-time data generation and management for early warning, better plan resource allocation and improve the quality of preparedness and resilience programming. Drawing on two Oxfam projects – a post-earthquake community reintegration project in Haiti using Poimapper and a drought and early warning system project in East Africa using Kobo Toolbox – this workshop aims to explore how to conduct appropriate digital data collection tool selection and support effective implementation process, first by sharing Oxfam's experiences, and then by facilitating a discussion on attendees' learning and ideas on best practice.

Ms. Laura Eldon, ICT in Program Project Manager, Oxfam Great Britain
Laura has worked for Oxfam for over nine years and focuses on the use of ICTs in program. She provides support to field staff to consider how ICTs can act as an enabler to achieve program aims. Laura's specific area of expertise is in the field of mobile data collection, particularly in support to Oxfam's humanitarian programming. She has provided both remote and hands-on support to a number of projects to digitize existing data collection processes, most recently conducting mobile surveys in Jordan and the Philippines as part of Oxfam's Syria Crisis and Typhoon Haiyan responses respectively.

Mr. Kebede Eticha, Public Health Specialist, Oxfam America
Kebede has worked for Oxfam America, Horn of Africa Regional Office based in Ethiopia since 2008. He has a master's degree in Public Health from Addis Ababa University and about 15 years of experience working for the public health sector at different levels and at Oxfam. At Oxfam, Kebede has been working on evidence-based humanitarian practice including emergency needs and vulnerability assessments, and a community-based drought early warning surveillance and response system (DEWS) that includes partner capacity building. Recently he has worked on pioneering an ICT-integration pilot using Kobo toolbox in the DEWS project.

Ms. Ciara Cribben, Program Quality Adviser, Oxfam Great Britain
Ciara holds a master's degree in Humanitarian Action and has over four years' experience in various developing countries. She currently works in improving program quality for Oxfam GB in Haiti where she specializes in monitoring, evaluation, accountability and learning in projects by supporting staff and partners in the collection and analysis of qualitative and quantitative data. Recently, Ciara has spearheaded the efforts of Oxfam in Haiti to digitalize data collection by providing training in mobile data collection methodology and conducted mobile surveys for a wide range of projects using various

Educating Youth and Women for IT Related Jobs

Dr. Radha Basu, Anudip
Radha Ramaswami Basu has over 35 years of experience in technology management. She is widely recognized as a leading woman entrepreneur in hi-tech companies and as a pioneer in the Indian software business. Radha spent twenty years at Hewlett Packard in engineering and general management. In 1985 she founded the company's operations in India and set up the first software center of any multinational in Bangalore. She then became General Manager of Hewlett Packard Electronic Business Software Division, which she grew to a $1.2 billion global business. Radha held the position of Chairman and CEO at Support.com from July 1999 to May 2006. She led the company through initial and secondary public offerings in 2000 and 2003, and built it into a worldwide market leader in support

automation software. In 2006, Radha and her husband Dipak created the Anudip Foundation, a social enterprise in India with the mission of generating livelihood opportunities for marginalized people through market aligned skills training in information technology and micro entrepreneurship. Anudip has impacted more than 17,000 rural women and youth to obtain livelihoods in the new economy. In 2011, Radha founded and is CEO of iMerit Inc., a technology services company www.iMerit.net that has pioneered the 'smartsourcing model' with Anudip graduates working on web enabled IT services for global customers. Radha is currently serving as Director, Frugal Innovation Lab at Santa Clara University and sits on the boards of NetHope, Santa Clara University CSTS and Jhumki Basu Foundation. Radha has won numerous awards including Excelsior Leadership, Top25 Women of the Web, CEO of the Year 2000, Leader of the Millennium, and has been profiled in the *Wall Street Journal, Business Week, Upside Magazine* and *Economic Times.* She has featured as a guest speaker at Oxford University, Wharton, MIT Sloan, Stanford Business School, Santa Clara University, and the *Forbes* Executive Summit.

Participants need to bring laptop and smart phone

Automating National Surveys: Planning for Large -Scale Digital Data Collection

This workshop will help participants better understand what important questions that program managers and technology programmers should discuss as part of the planning process. Tools and processes useful for planning the 2013 Sierra Leone Malaria Indicator Survey, which was a national exercise will be reviewed. In 4 weeks of data collection, interviewers completed 6,614 household questionnaires, 7,658 women questionnaires / anemia tests and 1,739 children questionnaires / blood tests. The 2013 MIS used Apple 3GS iPhones to collect data via the iFormBuilder platform, a software as service application with a companion app for the mobile devices allowing for timely data collection, monitoring, and analysis.

Participants need to bring an Android or iOS device

Ms. Emily Bostick, Regional Technical Advisor for Health, Catholic Relief Services East Africa

Ms. Emily Bostick is currently the Regional Technical Advisor for Health, with CRS East Africa Regional Office, supporting seven country programs. She is originally from Texas but has worked for 10 years in Asia and Africa. Her focus is infectious disease prevention and control. Emily was previously the Project Director for the Principle Recipient Global Fund Malaria Round 10 project in Sierra Leone. She worked in partnership with the Ministry of Public Health and Statistics in Sierra Leone to implement two digitalized national surveys. She was the in-country lead in the planning, programming, training, and implementation and also managed all of the digital data for both.

Farmbook ICT for Agriculture: Business Planning

Farmbook ICT is designed to reinforce and monitor CRS SMART 'Skills for Marketing and Rural Transformation' projects. Field agents' traditional training is complimented with distance learning products on the *Agilix LMS BrainHoney* platform. The namesake *Farmbook Business Planner* is used by the field agents to register farmer groups, develop business plans and analyze income and expenses (profitability) through the cropping season. Throughout the project, field agents record their activities and trainings in real time using *Map and Track*, a service delivery audit application. This class will teach participants to update data and analyze profit margins on a farm business plan. Additional classes are offered in the morning and later afternoon to showcase the BrainHoney e-learning platform and to review use of the Map and Track tool, showing both the field agent reporting devices and the online reports and map of activities.

Participants need to a laptop to all sessions, and a smart phone (Android or iOS device) for session 5 on Map and Track

Suzanne Andrews, Markets and Agriculture Program Specialist, Catholic Relief Services

Suzanne Andrews is managing the rollout of the Farmbook ICT portfolio supporting our 5 Skillset approach to link smallholder farmers to markets. She provides strategic guidance on software development for agriculture, IT-supported agriculture training and integrated rural development programming. Suzanne also works on issues of Local Regional Procurement (LRP) and is also the technical writer on the MARKit guidebook, a Monitoring Analysis and Response Kit for food assistance programs developed in coordination with the interagency LRP Learning Alliance.

MOTECH Platform

The MOTECH Suite was developed to address a range of health concerns using the MOTECH technology platform. This consortium brings together several of the most experienced mHealth implementers, open-source solution providers and funders in an open ecosystem of partners. Using best practices, such as open-source development and software as

a service (SaaS), the consortium provides a firm foundation of field-proven applications covering a diverse range of capabilities. This workshop will provide an in-depth look at tools designed to support five key functional mHealth areas: behavior change and demand generation, managing patient data, improving worker performance, supporting last-mile supply chain management, and patient adherence.

David Hutchful, Director of Technology Innovation, Grameen Foundation
As a User Experience Researcher with a background in software development, David Hutchful is committed to and passionate about designing and creating appropriate technology solutions that are informed by a deep understanding of the socio-economic and cultural contexts of the problems. David is currently the Director of Technology Innovation at the Grameen Foundation working at the intersection of technology and international development. In this capacity he managed the software development of mobile technologies that strengthened the delivery of health services to the poor and contributed to the strategic design and implementation of an award winning mHealth intervention – MOTECH - in Ghana. Before Grameen, David was part of the Technology for Emerging Markets (TEM) Group at Microsoft Research where he conducted research, published and consulted on the design and use of technology in low resource settings in the areas of education and financial services. During his graduate studies, David, in addition to other award winning innovations, co-developed a scalable model and a software platform that simplified and reduced the cost of creating and sharing educational courses freely online. David received undergraduate degrees in Computer Science and Philosophy from Calvin College and a Master's degree in Information with a specialization in Human-Computer Interaction from the University of Michigan.

Panel: ICT4D Adoption Strategies and Lessons Learned
ICT4D projects fail due to common limitations, but can succeed with common approaches to ICT. The workshop, led by a panel of NetHope member representatives, including Paul Amendola, Liz Peloso, Marianna Hensley, Ognen Plavevski, and Kara Cherniga, will examine the categories of limitations and lessons learned in past cases. Solutions to these challenges will cover ICT processes and practical perspectives and tools. Processes will explain the steps required to avoid predictable failures. Perspectives will help participants understand the broader context of what enables success. Practical development tools will then be shared to enable adoption and development. Participatory discussions will be held to support attendee's planning for ICT4D.

Kelly Keisling, Global Healthcare Program Director, NetHope
Kelly Keisling is the NetHope Global Healthcare Program Director, where he directs mHealth content of the NetHope Solution Center website. Kelly also managed NetHope's community development of an open electronic facility registry service with OpenHIE for PEFAR/USAID. Kelly is the co-founder and co-chair of the mHealth Working Group, a collaborative forum for 1,500+ member in 70+ countries. He has worked on development of a national mHealth strategy for Deloitte and the Tanzanian Ministry of Health. Kelly also supported design of a national eHealth platform for the Ethiopian Ministry of Health under BMGF. He led development of the mHealth Toolkit website for USAID's K4Health project. Kelly has worked on mHealth for CRS, PSI, and RHRU South Africa. He has worked in global health for Johns Hopkins CCP, PSI, and FHI. He has a MPH in Health Behavior and Health Education from the University of North Carolina. Kelly also has nine years of private sector experience, including management consulting for corporate strategy, investor relations for emerging market mobile operators, and capital markets in developing countries.

For Program Managers: Shifting from Cash to Electronic Payments: Nuts and Bolts
Many organizations disburse large volumes of low value payments in programs (e.g. subsidies) and daily operations (e.g. per diems) - usually in cash. However, organizations are adopting new electronic payment methods and discovering multiple benefits (cost savings, improved efficiencies and transparency, reduced leakage and security risks, introduction to financial access). Aimed at program and finance staff who deliver payments, the workshop will introduce use cases, a step-by-step process to transition with useful tools, an interactive exercise, and a demonstration by Beyonics on how to use a bulk payment (one too many) product.

Christopher M Burns, Senior Advisor and Team Lead for Mobile Access, USAID
Christopher M Burns is the Senior Advisor and Team Lead for Mobile Access with USAID's Mobile Solutions team where he has spearheaded support for, and serves as technical lead to, the GSMA mWomen Program and the Alliance for Affordable Internet, among other partnerships. Prior to USAID, Christopher spent 10 years with the Peace Corps, as Program and Training Officer in Niger, Country Desk Officer for Central Asia, and Agro-Forestry Advisor in Ghana. All

told, he has 18 years of technical, supervisory and management experience in international development, largely in the areas of mobile technology, natural resources management, food security and gender integration.

Mr. Hamilton McNutt, NetHope, Payment Innovations Program Manager, NetHope

Mr. McNutt at NetHope based in the U.S. Currently supports USAID's global efforts with its implementing partners to incorporate e-payments into their programs and operations. He brings 7 years of development experience, including with SMEs in LAC, and mobile money assessment work in Tanzania and Uganda.

Ms. Marcella Willis, Payment Innovations Senior Program Manager, NetHope

Ms. Willis at NetHope based in the U.S. Currently supports USAID's global efforts with its implementing partners to incorporate e-payments into their programs and operations. She brings 17 years of development experience focusing on inclusive finance based in Africa and SE Asia.

Farmbook ICT for Agriculture: Map and Track

Farmbook ICT is designed to reinforce and monitor CRS SMART 'Skills for Marketing and Rural Transformation' projects. Field agents' traditional training is complimented with distance learning products on the *Agilix LMS BrainHoney* platform. The namesake *Farmbook Business Planner* is used by the field agents to register farmer groups, develop business plans and analyze income and expenses (profitability) through the cropping season. Throughout the project, field agents record their activities and trainings in real time using *Map and Track*, a service delivery audit application. This class will focus on the will use of the Map and Track tool, showing both the field agent reporting devices and the online reports and map of activities. Additional classes are offered in the morning and early afternoon to showcase the BrainHoney e-learning platform, classes 3 and 4 will teach participants to update data and analyze profit margins on a farm business plan.

Participants need to a laptop to all sessions, and a smart phone (Android or iOS device) for session 5 on Map and Track

Suzanne Andrews, Markets and Agriculture Program Specialist, Catholic Relief Services

Suzanne Andrews is managing the rollout of the Farmbook ICT portfolio supporting our 5 Skillset approach to link smallholder farmers to markets. She provides strategic guidance on software development for agriculture, IT-supported agriculture training and integrated rural development programming. Suzanne also works on issues of Local Regional Procurement (LRP) and is also the technical writer on the MARKit guidebook, a Monitoring Analysis and Response Kit for food assistance programs developed in coordination with the interagency LRP Learning Alliance.

CRS Staff only: Learn How Supply Chain Management Technology Can Improve Your Work!

The Aidmatrix SCM4Good Platform, upon which the CRS Supply Chain Management System is based, is a Logistics and Supply Chain tool for the INGO world. The system can facilitate significant improvements in the management of all material resources, including: food commodities, non-food commodities, and even office supplies. This session will include an overview of the basic SCM System (what it does and doesn't do now, what more it will do later) and a demo of key functionality.

Participants need to bring a laptop

Nicole S. Balliette, Commodity and Supply Chain Management Director, Catholic Relief Services

Nicole Balliette oversees the CRS commodity and supply chain management unit, which is responsible for developing and supporting strategies to improve supply chain management practices.

Ms. Balliette spent 11 of her 14 years with CRS in Angola, Sri Lanka, Sierra Leone and Eastern Congo. She has served as program manager, head of office, head of programs and country representative. Prior to joining CRS, she worked four years in Mozambique. Ms. Balliette received a B.A. from Fordham University and a M.Sc. in Development Management from American University. She speaks Portuguese and French.

Enhancing the Resilience of CHWs to Deliver Quality Services through the Use of Mobile Payments

This workshop will illustrate an innovative use of mobile payments in delivery of community health worker services. Zebedee Mkala, team leader of the mHealth MMHtaani initiative, will begin with a technical demonstration of the CommCare application followed by the functions and dashboards used to monitor community health worker performance and to determine and effect performance payments via mobile money. The presenters will then lead an

interactive discussion with the group on various use cases where integrating the use of mobile data collection tools with mobile money platforms can lead to greater efficiency and improve the quality of mHealth interventions.

Ms. Marcella Willis, Payment Innovations Senior Program Manager, NetHope

Ms. Willis at NetHope based in the U.S. Currently supports USAID's global efforts with its implementing partners to incorporate e-payments into their programs and operations. She brings 17 years of development experience focusing on inclusive finance based in Africa and SE Asia.

Executive Session

This session is designed for executives involved in furthering the use of ICT's in International Development. The audience will include NGO country managing directors and regional managing directors, deputy country/regional directors, select private sector executives and government executives. The overall objective is to provide leaders an opportunity to engage around what's working, what help they need in accelerating the use of ICT4D in their country programs and what role they can play. The format of the session will include keynote presentations followed by a breakout discussion and panel debrief on: the benefits and results of ICT solutions; ICT4D trends and strategies; the role of regional and country managers in ICT4D transformations; help needed by those managers in accelerating the use of ICT4D.

Furthering the Use of ICT for International Development

As leaders of organizations that provide humanitarian relief and development services to poor and vulnerable people around the world, we have a critical role to play in fostering the use of technology to improve those services. This presentation will explore the use of six principles to guide our efforts: understanding the potential value that ICT4D solutions bring to our work; creating the cross-functional teams needed to implement those solutions; encouraging and rewarding experimentation; sharing experience with colleagues; encouraging reuse; and finally, discovering models for sustainable ICT4D solutions.

David Orth-Moore, Regional Director for East Africa, Catholic Relief Services

David Orth-Moore is Catholic Relief Services' Regional Director for East Africa, based in Nairobi, Kenya. Serving in this role since June 2008, he is responsible for regional oversight of CRS programs in Ethiopia, Kenya, South Sudan, Sudan, Tanzania and Uganda, as well as for CRS support to partner agencies in Somalia. David started his career in international development serving as a U.S. Peace Corps Volunteer in Senegal from 1986 to 1989 helping rural communities to develop water and sanitation systems. After completing his Peace Corps service, David returned to the United States to continue his education. In 1991, he received a master's degree in Development Management from the American University in Washington, D.C. He then joined Catholic Relief Services, being first assigned to conduct relief operations in Liberia during the civil war. In 1992, David became CRS' Country Representative for Togo, where he managed a diverse array of development programs. He next took on the role of Assistant Country Representative for CRS Ethiopia in 1994. In this position, he oversaw large-scale rehabilitation and development programs addressing problems arising from years of drought. In 1997, David transferred to CRS headquarters, working for a year as the Southern Africa Regional Team Leader before moving to Albuquerque to work as Assistant Director for Catholic Charities of Central New Mexico. In 2002, David rejoined CRS as Country Representative in Ghana. Most recently, David served as Country Representative in Ethiopia from 2005 through June 2008, during which time funding for HIV, agriculture, and water and sanitation projects significantly increased.

How to Embed ICT4D Guidance and Best Practices in Programs

As donors, we recognize that we shape the incentives that often undercut the potential of ICT's to deepen development impact. As we surveyed our collective portfolios, we saw programs 1) designed as pilots rather than scaled solutions, 2) that too frequently failed to implement best practices which can lock-in partners or governments into closed systems 3) which replicated the functionality of other programs and 4) that too narrowly focused on vertical specific applications to the exclusion of horizontal solutions. This session, led by staff from USAID and the Bill & Melinda Gates Foundation will detail a set of principles meant to address these problems. It will cover what these and other donors are doing to institutionalize these principles in their organizations and highlight upcoming initiatives that reflect these principles.

SESSION ABSTRACTS AND SPEAKER BIOS

Mr. Charley Johnson, Mobile Solutions, Senior Advisor for Mobile Data, United States Agency for International Development (USAID)

Charley Johnson is a Senior Advisor for the Mobile Solutions division within the Office of Innovation and Development Alliances at USAID. Prior to USAID, Charley served as the Lead Innovation Specialist for the ICT Sector Unit at the World Bank. He graduated from the University of Washington and earned a master's degree in Public Policy from the Harvard Kennedy School.

Nirant Gupta, Innovation Associate, Bill & Melinda Gates Foundation

Nirant Gupta is an Innovation Associate within the Global Development program at the Bill & Melinda Gates Foundation, where he is leading work to define a "big data" and analytics strategy. He is also working with other donors, including USAID, to create a coordinated solution to the ICT 4 Development opportunity. Before joining the Gates Foundation, Nirant worked as a consultant in McKinsey and Company's Silicon Valley Office where he focused on consumer insights, marketing and sales, and nonprofit strategy. Nirant holds a BA in Government and Economics from Claremont McKenna College, where he was a Truman Scholar.

Breakout Discussion and Panel: Accelerating the Use of ICT for International Development

Lauren Woodman, CEO, NetHope

Lauren Woodman joined NetHope as the Chief Executive Officer for NetHope in January, 2014. Prior to joining NetHope, Lauren led government and education programs at Microsoft for more than a decade. These public-private partnerships spanned a variety of needs, including disaster response, economic development, language accessibility, and education. Under her leadership, Microsoft's flagship education program, Partners in Learning, resulted in $500 million in direct investment to train 12 million teachers and 230 million students in 134 countries. Before joining Microsoft, Woodman held roles with the Software and Information Industry Association, an IT services start-up, and on Capitol Hill.

A Conversation: How Can Donors and Implementers Work Together to Accelerate Adoption of Best Practice Principles in ICT4D

As donors, we recognize that we shape the incentives that often undercut the potential of ICT's to deepen development impact. As we surveyed our collective portfolios, we saw programs 1) designed as pilots rather than scaled solutions, 2) that too frequently failed to implement best practices which can lock-in partners or governments into closed systems 3) which replicated the functionality of other programs and 4) that too narrowly focused on vertical specific applications to the exclusion of horizontal solutions. This session, led by staff from USAID and the Bill & Melinda Gates Foundation will introduce a set of Technology in Development principles that these and other funders are committed to institutionalizing within their organizations and solicit feedback from implementers on what donors can do to support implementers in realizing this vision on the ground.

Mr. Charley Johnson, Mobile Solutions, Senior Advisor for Mobile Data, United States Agency for International Development (USAID)

Charley Johnson is a Senior Advisor for the Mobile Solutions division within the Office of Innovation and Development Alliances at USAID. Prior to USAID, Charley served as the Lead Innovation Specialist for the ICT Sector Unit at the World Bank. He graduated from the University of Washington and earned a master's degree in Public Policy from the Harvard Kennedy School.

Nirant Gupta, Innovation Associate, Bill & Melinda Gates Foundation

Nirant Gupta is an Innovation Associate within the Global Development program at the Bill & Melinda Gates Foundation, where he is leading work to define a "big data" and analytics strategy. He is also working with other donors, including USAID, to create a coordinated solution to the ICT 4 Development opportunity. Before joining the Gates Foundation, Nirant worked as a consultant in McKinsey and Company's Silicon Valley Office where he focused on consumer insights, marketing and sales, and nonprofit strategy. Nirant holds a BA in Government and Economics from Claremont McKenna College, where he was a Truman Scholar.

CRS Staff Only: Global MEAL/ICT Platform Rollout Strategy

CRS is rolling out e-Valuate, a MEAL (Monitoring Evaluation Accountability and Learning) ICT Platform as part of the agency's 5-year global strategy. The aim of the platform is to use ICT4D tools (mobile devices, electronic data collection,

and integrated reporting) to improve data collection and reporting efficiency, reduce data and reporting errors, increase transparency and accountability, and improve decision making, service delivery and results. This session will include a quick overview of the platform architecture, the 5 year implementation plan and detailed FY14 implementation plan. Time will be set aside for Q&A.

Mr. Michael Matarasso, Senior Advisor for MEAL/ICT, Catholic Relief Services

Mr. Michael works for CRS as Senior Advisor for MEAL/ICT. Previously he was the Regional Technical Advisor for M&E/ICT responsible for leading the design and rollout of an M&E/ICT platform pilot in the East Africa Region. He came to that position from CRS' Great Lakes Cassava Initiative where he was the M&E Technical Advisor and set up the M&E/ICT platform for that project. Previous to that he worked for more than 10 years with World Wildlife Fund and Conservation International where he designed behavior change communications, education and M&E strategies for nature conservation and sustainable development projects across Africa, Latin America and Asia. Prior to this he worked in Malawi as an agro-forester.

Friday, March 28

Plenary

Applying a Geographic Approach to your Programs

Baseline surveying, Planning, Monitoring, Evaluation and Learning can all benefit from intelligent maps and field data that are collected with location in mind. This presentation will show how to construct a geographic workflow from beginning to end. The workflow will begin with the planning of mobile field data collection, using several options for field data collection technology. Once the field data is collected, the workflow will demonstrate how quality assurance, geo-processing, and performance indicators can be calculated from the field data. Finally, the creation and publication of maps and reports will be shown, using the processed field data.

Once the maps are published, the opportunity exists for other users to generate mash-ups using base maps and other background information. In this way, your geographic data can be integrated with the work of others to let them draw conclusions, make plans, and create their own exhibits from the data you created.

Andrea S. Huber, Account Manager, ESRI

Andrea S. Huber received her MEd in Curriculum and Instruction, concentrating in Multicultural and Multilingual Education, from George Mason University in 2011. Additionally, she received her B.A. in Geography from Mary Washington College in 2004. For over nine years she has supported the Esri Federal team, and is currently an Account Manager on the Esri Nonprofit and Global Organizations team out of the Esri-Washington, D.C. office.

The NetHope Solution Center - Technology in Development: Find, Learn and Share

The NetHope Solutions Center was created to help accelerate the use of impactful ICT and cloud based solutions in development work. The portal brings the various development sectors together with technology providers and donors to engage them in evaluating the effect of ICT in development and offer guidance to providers. For NGOs and likeminded organizations, we aim to match business and program requirements with specific solutions and in-depth information and educational content.

Technology providers can expand their market reach, obtain social impact, gain better visibility for their products and gather valuable feedback from the social sector community.

Mr. Jack Levy, Sr. Global Program Director, NetHope

Since March 2008, Jack has served as a Sr. Global Program Director for NetHope, a collaborative NGO focused on leveraging technology for the largest NGOs. Jack was responsible for defining NetHope's 3-year strategy, programs in Shared Services, Aggregated Procurement, Public Private Partnerships, NetHope's Solution Center and various ICT4D initiatives. Prior to 2008, Jack served as a senior partner at Accenture and held various leadership positions over his 25+ year career. His career was focused on the Electronic and High Tech Practice where his roles included responsibility for P&L, strategic sales, alliances, and for carrying out the firm's strategic growth initiatives.

Closing Reflections

Carol Bothwell, Vice President and Chief Information Officer, Catholic Relief Services

Carol Bothwell leads the agency's federated IT organization, works with the agency's CEO and Executive Leadership team to align IT and business strategy, and manages the agency's global knowledge environment. She has been a leader in the effort to improve CRS programming through the use of technology in the field. Prior to joining CRS in October 2007, Carol was a Vice President and Chief Knowledge Officer with CSC, a global information technology services company with over 79,000 employees and operations spanning 59 countries worldwide. Over the course of her career she has managed large, global business change, system development and integration programs for a variety of international, commercial, and government clients. She has a bachelor's degree in Mathematics from Goucher College and a MBA from the New York Institute of Technology.

David Orth-Moore, Regional Director for East Africa, Catholic Relief Services

David Orth-Moore is Catholic Relief Services' Regional Director for East Africa, based in Nairobi, Kenya. Serving in this role since June 2008, he is responsible for regional oversight of CRS programs in Ethiopia, Kenya, South Sudan, Sudan, Tanzania and Uganda, as well as for CRS support to partner agencies in Somalia.
David started his career in international development serving as a U.S. Peace Corps Volunteer in Senegal from 1986 to 1989 helping rural communities to develop water and sanitation systems. After completing his Peace Corps service, David returned to the United States to continue his education. In 1991, he received a master's degree in Development Management from the American University in Washington, D.C. He then joined Catholic Relief Services, being first assigned to conduct relief operations in Liberia during the civil war. In 1992, David became CRS' Country Representative for Togo, where he managed a diverse array of development programs. He next took on the role of Assistant Country Representative for CRS Ethiopia in 1994. In this position, he oversaw large-scale rehabilitation and development programs addressing problems arising from years of drought. In 1997, David transferred to CRS headquarters, working for a year as the Southern Africa Regional Team Leader before moving to Albuquerque to work as Assistant Director for Catholic Charities of Central New Mexico. In 2002, David rejoined CRS as Country Representative in Ghana. Most recently, David served as Country Representative in Ethiopia from 2005 through June 2008, during which time funding for HIV, agriculture, and water and sanitation projects significantly increased.

Morning Talks

Using ICT to Innovate in Agriculture

The Kenya Feed the Future Innovation Engine is a USAID-funded initiative through which innovative private sector-oriented strategies that enhance food security and nutrition are proactively identified, incubated and scaled up for widespread impact. The Innovation Engine supports selected innovations through a combination of catalytic grant funding and tailored short-term technical assistance at various stages from "proof-of-concept" through "pilot roll-out" to "transition to scale-up". MFarm and Virtual City, which incorporate use of information and communications technology platforms to deliver farmer information services and optimize supply chain management and by use of mobile phones, were successful.

Mr. Vincent Bii, Engagement Manager, Land O' Lakes International Development Division

Vincent is an experienced development professional. He has an MBA (Finance) from University of Nairobi and a total of 19 years' experience in Venture Capital finance, Business development, Financial Inclusion and Grants management. He is currently the Engagement Manager for a USAID funded program; Kenya Feed the Future Innovation Engine and taking lead in coordination of short term technical assistance. The program's core mandate is to identify, foster and bring to scale innovative market driven solutions to solve persistent food insecurity and poverty. Vincent founded COFI SACCO Limited; an innovative Shariah compliant and community owned financial institution in Garissa, Kenya.

Mobile-Enabled Agriculture and Rural Development (ME-ARD) in ACP- A New Approach to Sustainability

In November 2013, CTA organized a successful international conference on ICTs for Agriculture in Rwanda. The conference, with fully packed suite of activities, brought together a diverse group of stakeholders within the ICT4D sector to deliberate on the role of ICTs in agricultural development. Among these activities were Agri-Hack Competition (a type of hackathon); a Plug and Play Day (which showcased ICT innovations in the sector); and a number of sessions

that discussed issues pertinent to the participants. This presentation is based on experiences gathered from the conference and some of the on-going proposals being developed to ensure sustainability of the innovations.

Chris Addison, KM Specialist, the Technical Center for Agricultural and Rural Co-operation ACP-EU (CTA)
Chris is a KM specialist who has worked in the use of ICTs and online services for Development for 30 years. Prior to joining CTA, he was with the International Food Policy Research Institute involved in their portal and website development program and taught on a number of their capacity building initiatives in Africa. Before that he spent 10 years as a consultant working with international development organizations such as DFID, FAO, DGIS and the European Commission on developing and accessing ICT and online projects in Africa, Latin America and the Caribbean. He currently works on the development of ICT platforms to support Agricultural policy processes and Value Chain development and manages the website and magazine ICT update (http://ictupdate.cta.int).

Working with ICT4D in Public and Private Extension Services
e-Agriculture is a new phenomenon in Bangladesh to empower the farmers with essential services and Bangladesh Institute of ICT in Development (BIID) has initiated a 360 degree solution branded as e-Krishok to cater to the needs of farmers and agri-businesses. Since farmers need information and support throughout the production cycle, BIID offers ICT-enabled different solutions at pre-production, production and post-production/marketing phases. In this process, BIID uses its own service propositions like e-Krishok, short code 16250, Market Linkage Program (MLP) etc. as well as collaborates with other development partners like Catholic Relief Services (CRS) to introduce solutions like Farmbook, an innovative ICT solution for business skill development (planning, profitability assessment and marketing). BIID introduced Farmbook in Bangladesh in collaboration with the Department of Agriculture Extension (DAE) of Ministry of Agriculture. The experiences of e-Agriculture in Bangladesh like many other developing countries are a combination of challenges and opportunities. BIID foresees a collaborative global and local effort will take this process further.

Richard Githaiga, Deputy Director Extension Services, Ministry of Agriculture, Livestock and Fisheries, Government of Kenya
Mr. Githaiga is Deputy Director/ Extension Services of the Kenya Ministry of Agriculture, Livestock and Fisheries. He has expertise in extension services systems, approaches and methods, group facilitation and skills development for extension staff. Mr. Githaiga has developed and implemented the Urban and peri-urban agriculture project (UPAP) in Kenya (2012 – 13), an e-Extension project in Kenya (2013-14), a training program on 5 skills set for field officers in collaboration with CRS and Modernizing Extension advisory services project (MEAS) in Kenya (2013-14), and piloted the Farmbook application in Kenya extension services (2013-14).

Shahid Uddin Akbar, Chief Executive Officer (CEO), BIID
Md Shahid Uddin Akbar is the Chief Executive Officer (CEO) at Bangladesh Institute of ICT in Development (BIID), an inclusive business initiative to promote the use of ICT as a tool for sustainable development. BIID covers research and development (R&D), Project Design and Development, Implementation, Impact Assessment on telecenters, e-Agriculture, e-Health, e-Health, e-Governance, entrepreneurship development, capacity building and content development The flagship initiative e-Krishok (Electronic Farmer) is one Mr. Akbar's effort to innovate and demonstrate the scope of ICT to serve the rural farmers and develop a business model. e-Krishok won various national and international recognition for its contribution to food security. BIID successfully implemented projects in Tanzania and initiated new project in Myanmar under the leadership of Mr. Akbar.In 2000, Mr. Akbar established a voluntary organization titled ICT for Development Program Bangladesh (ICTDP'B) to bring the benefits of ICT in the rural areas. He contributed in the World Summit on the Information Society (WSIS) at national and international level. Mr. Akbar worked as ICT Consultant in Swiss Contact/Katalyst, Bangladesh from July 2004 to June 2008. Katalyst, a multi donor funded project promoting competitiveness of small and medium enterprises (SMEs) and to address the *'information failure'* exists in rural areas in different sectors including health. Under this project, a new business model for establishing telecenters (Rural ICT Center) in rural areas has been developed to serve the rural communities in a sustainable and commercially viable model. Mr. Akbar is now serving as a Member of the Executive Committee of the Asia Pacific Telecentre Network (APTN) and Member of the Expert Panel of Telecentre.org Foundation. He is also involved with Junior Chamber International (JCI), Internet Society and Rotary International.

SESSION ABSTRACTS AND SPEAKER BIOS

E-Agri Transport Network-Ghana

This presentation will describe an innovative and effective application of information and communications technologies (ICT'S) to support smallholder farmers in Ghana's catchment communities. This use of ICT facilitates the early and better transportation of farm produce from farms to marketing centers. It has resulted in major boost in the reliability of agricultural transport setup in many farming communities in Ghana.

Albert Yeboah Obeng, Foresight Generation Club

The Future of Advanced VSAT C Band Solutions in Africa: Why You Need Them, and Why You Will Need KA Satellites Too

This session will include a description, with a set of concrete business cases, on how different IP Satellite technologies will coexist in Africa in the next five years.

Alberto Carpenè, Director of Sales for Global NGOs, Skyvision Global Networks

Mr. Carpenè' is a veteran of the Satcom Industry, with various position as a board member of European Data and Broadcast Teleports and as CEO of the first company who operated Idirect based Vsat technologies out of Europe in 2002. An expert in High Throughput Vsat Solutions, Satellite Based Broadcast Media Infrastructure and Maritime Vsat projects, he is a frequent speaker in the Space and Satellite industry main events.

The Power of Social Media in Enticing the Youth to Agriculture in Kenya

The aim of this initiative is to inspire youth to participate in agricultural activities through awareness creation and knowledge change by harnessing the power of multimedia – specifically radio and Information Communication Technologies (ICTs). The main goal is to change the attitudes and enhance knowledge of the youth in Kenya so that they can view agricultural activities from a positive perspective. To achieve this goal, Mkulima Young sought to understand the needs of the youth in agriculture. A baseline survey conducted in Central Kenya found that the most pressing need for the youth was access to agricultural information, marketing and finance. Mkulima Young aired radio programs to disseminate agricultural information and also used Social media sites: Facebook and Twitter. The radio broadcasts were paired with SMS to provide feedback from listeners. We targeted success stories of young educated farmers who make tidy profits from agribusiness. The use of peer to peer knowledge transfer has proved a winning strategy as several youths have taken up modern agriculture as source of livelihood.. The Mkulima Young Facebook page has a following of over 27,000 people within one year. This indicates a shift in the communication behavior of young adults from text messages to social media sites, especially Facebook. Mkulima Young has successfully rebranded the view of agriculture from that of a poor man's, old retiring profession to a profitable career choice for youth in Kenya through social media. Online market branded Mkulima Young Soko (an online market place) was created to meet the demand on social media marketing eliminates the middle man.

Joseph Macharia, Founder, Mkulima Young

Joseph is the Founder of Mkulima Young. He holds a B.Sc. in Agriculture Education and Extension from Egerton University and is a master's degree in Science graduate from Jomo Kenyatta University of Agriculture and Technology. His field of competence is in agricultural advisory services, extension, communication, organizational development and institutional strengthening, as well as strategic planning for farmers' organizations, planning, designing, implementation, monitoring and evaluating of training programs for rural development. He is also a value chain development expert. He has been awarded numerous competitive awards on livelihood improvements and biodiversity conservation in developing countries.

Technology Enabled Emergency Needs Assessments using iPod, GPS, and iFormBuilder

CRS in Madagascar for a long time used paper-based surveys and forms to collect data and to conduct emergency needs assessments. CRS teams took seven days to collect data, and one month to analyze, by which the situation on the ground had already evolved. The solution proposed was to use iPod Touch and GPS accessories as a mobile device and iFormBuilder as the software. For the first pilot, principal emergency actors had the needs assessment results 24 hours after the disaster hit. There are resource efficiencies inherent in using iPods with iFormBuilder: one person was able to complete the emergency needs assessment in a day, which would not have been possible with the paper survey. In addition, paper is easily lost, damaged, and not in line with our "go green" strategy-protecting the environment of Madagascar.

SESSION ABSTRACTS AND SPEAKER BIOS

Jeanne Ella Andrianambinina, DRR and Emergency responses Specialist, Catholic Relief Services
Jeanne Ella Andrianambinina is the new Emergency Coordinator in CRS Mali. She is an economist with 11 years of experiences in designing, planning, implementing and managing Disaster Risk Reduction (DRR), emergency response and recovery projects. Jeanne Ella contributed in building community resilience at two International Organizations such as at CRS Madagascar and CARE International. Jeanne Ella led with success ICT4E during 2003 emergency response projects in Madagascar, with the whole support from the IT and the Data and GIS specialist in Madagascar Country Program. She is one of the promoters of the ICT4E at the National office of Disaster Risk Reduction (government) and the Humanitarian actors in Madagascar. Jeanne Ella contributed in the development of five publications including the ICT4E learning in CRS Madagascar.

Trends and Priorities in the Use of Technology in Developing Countries
In emerging and developing markets, technology is changing the way organizations engage and interact with people, especially those at the "base of the pyramid". But it is the people themselves, whether consumers, producers, citizens or end-beneficiaries, that are defining a new norm of interaction - one in which they play a central and active role. Accenture Development Partnerships and NetHope teamed up to conduct research on this topic with representatives from INGOs, private sector, government and donors. This research stimulates discussion on trends and priorities in the use of technology in the development sector, and across different geographies or industries.

Mr. Henrick Axelsson, Senior Manager, Accenture Development Partnerships
Mr. Henrik Axelsson is a Senior Manager in Accenture's Consulting Practice with over a decade of professional experience from consulting and industry including the international development sector. Based in Tanzania, Henrik leads client engagements and delivery for Accenture Development Partnership (ADP). ADP provides management and technology consulting services to the international development sector on a nonprofit basis. Henrik has worked with global clients across industries in particular helping transform their go-to-market strategies, supply chain capabilities and processes through innovation and ICT enablement. Henrik holds a master's degree in Science in 'Engineering and Industrial Management' from Chalmers University of Technology in Gothenburg, Sweden.

Pan-African Health ICT Peer Assistance Network (PAN)
ICTs have the potential to improve the accessibility, quality, scalability and sustainability of essential health interventions. However, countries need local capacity to successfully plan, implement and manage effective eHealth and mHealth programs. To address this challenge, we will explore the creation of a pan-African Health ICT Peer Assistance Network (PAN) to connect organizations with local and regional experts that can provide targeted technical assistance. Participants will be encouraged to share their perspectives on the feasibility of such a Peer Assistance Network and to engage in its design to ensure they can effectively take advantage of, or provide, ICT4D solutions.

Ms. Heidi Good Boncana, Program Officer II, ICT and Innovation and K4Health mHealth Portfolio Manager, Center for Communication Programs, Johns Hopkins Bloomberg School of Public Health
Ms. Good Boncana, M.A., is the mHealth Portfolio Manager for USAID-supported Knowledge for Health and Program Officer II ICT and Innovation at Johns Hopkins Bloomberg School of Public Health Center for Communication programs. Her expertise lies in crafting public health information into print, multimedia and knowledge management tools. Over the past 10 years, she has worked with MSF, UNICEF and JHUCCP to create and deliver communication resources for improved knowledge, attitudes and practices across a range of global public health areas. She is particularly interested in use of simple appropriate technologies to reach women in lowest income, lowest access areas.

Dr. Peter Benjamin, Head of Capacity Building, mHealth Alliance
Dr Peter Benjamin is the head of capacity building for the mHealth Alliance, directing the mHealth Expert Learning Network (mHELP). Until April 2013 he was the managing director of Cell-Life, a leader in mHealth based in South Africa. He has over 20 years experience in the use of Information & Communications Technology (ICT) for social change and development. He has worked for Poptel in the UK, the SA National Civic Organisation, the Universal Service Agency, the Association of Progressive Communications and was the founder in 1997 of the LINK Centre for research and education into ICT policy at Wits University. Originally from the UK, he moved to South African in 1994. He has a first degree in Physics, a Masters in Information Technology and his PhD examined universal access to ICTs in SA through the telecenter program in the late 1990s. He is studying a Masters in Public Health. Peter is a member of the People's Health Movement of SA and the Treatment Action Campaign.

SESSION ABSTRACTS AND SPEAKER BIOS

Building Professionalism through Innovation- Bridging Income Generation Through Provision of Incentives for Care (BIGPIC)

Limited donor funding exists to support chronic diseases despite the rapidly increasing incidence and prevalence. Instead of constantly requiring patients to fit into the traditional model of facility based care delivery, we have developed an innovative model where we deliver fee for service portable care via microfinance groups. We have been able to more than double the linkage and retention rates for diabetes or hypertension in addition to improving clinical outcomes as statistically significant reductions in systolic blood pressure and blood sugar were observed. This integrated approach has not only improved health but also overall wellbeing through the introduction of income generating opportunities.

Dr. Sonak Pastakia, Associate Professor of Pharmacy Practice, Purdue University

Dr. Sonak Pastakia, Associate Professor of Pharmacy Practice at the Purdue University College of Pharmacy (West Lafayette, Indiana, USA), is a public health pharmacist based in Eldoret, Kenya full time where he focuses his efforts on addressing the needs of marginalized populations residing throughout rural western Kenya. Within the Academic Model Providing Access to Healthcare program, Dr. Pastakia serves key roles including co-chair of the Chronic Disease Management program (focused on diabetes and hypertension), co-chair of the Pharmacy Working Group, Principal Investigator on a nationwide counterfeit detection program, and a board member for a street children's drop-in center.

U-Report

This presentation will examine U-report, a free SMS service that enables young Ugandans to voice their opinions on issues they care about. Launched in May 2011, U-report was designed to help close the feedback loop between young people (who account for more than 50% of Uganda's population) and decision makers in government, community organizations, and the larger development community. Reporters are able to establish and enforce new standards of transparency and accountability in development programming and services, even as they can raise issues of concern to the wider community. Each month U-report results are publicized in national media channels and within parliament to ensure decision makers have access to information regarding their districts or ministries. As all 386 members of parliament are also U-reporters, MPs occasionally engage directly with the U-report community, posing questions and raising awareness around key issues, such as a recent polio immunization campaign. Currently there are over 250,000 U-reporters. The average age is 24, 51% are female and U-reporters are located across all of Uganda with a reasonably balanced regional distribution. U-report is open-source, and was developed by local software engineers with the support of UNICEF and other partners, including several key government ministries. U-report will scale to five other countries in 2014.

Stuart Campo, Cary McCormick, and the U-report team, UNICEF

Reaching Population Scale

This presentation will illustrate how Vumi can be used where situations change rapidly and where software needs to be able to adapt to the changing environment in which we work. The presenter will share case studies of how Vumi has been used in this context in projects in the education / access to information, governance and health sectors.

Mr. Simon de Haan, Chief Engineer, Praekelt Foundation

Simon de Haan is the chief engineer at Praekelt Foundation. He has the rare talent to demystify software systems and platforms for non-engineers. He is the main brain behind Praekelt's Vumi platform, a messaging tool that allows conversations over SMS, USSD, Gtalk and other basic technologies, at low cost, and at scale. He has hosted various talks, webinars and hackathons about his passion for development and for building systems that can scale and reach their audience with lifesaving information. Growing up in the Middle East set him on a direct course to be involved in community development, entrepreneurship and technology. Simon moved to South Africa to be involved in technology and community work in a number of townships in Cape Town. He joined Praekelt in 2009 and takes responsibility for ensuring that the team applies good software development principles, ensuring that the systems designed are for population scale and ensuring consistent quality of solutions developed. Prior to joining Praekelt, Simon was based in the Netherlands where he held the positions of CTO at Soocial.com, Senior Developer at Eight.nl and was the Owner at Fission.nl.

Using Salesforce for your business

Vera Solutions works closely with NGOs, social businesses, donors, investors, and research institutions to understand how more real-time access to higher-quality information can help drive their business—whether that business is managing a portfolio of investments or running a rural community center—and design custom solutions to meet their needs and their context. There is a movement across the social sector towards transparency, accountability, and data-driven decision-making—and Vera Solutions is committed to effecting that change. This presentation will provide examples of how Vera Solution has used Salesforce's Force.com platform, the world's leading cloud application development platform, to build custom relational databases, streamline and automate organizational workflow, and store all data on the cloud – examples such as tracking individual HIV prevention program participants in South Africa, connecting migrant youth to employment opportunities in Latin America, or providing pediatric care to orphans and vulnerable children in Zambia.

Tori Elliott, Vera Solutions

Afternoon Talks

Technology Tools for Village Savings and Loan Associations (VSLAs)

VSLAs are a powerful way for unbanked Ugandans to save and access credit. Saving and loaning activities are carefully recorded in paper ledgers but this valuable financial data is at risk and its use restricted.
Grameen Foundation in partnership with Barclays and CARE created Ledger Link - a smartphone application that enables recording of VSLA's meeting data and uploading to secure servers. It provides back-up records, real-time calculations and insight into behaviors for institutions. A sustainable business model supports scale and an initial pilot yielded positive results.

Fiona Robinson, Mobile Financial Services Project Manager, Grameen Foundation

Mrs. Fiona Robinson is a Project Manager in the Mobile Financial Services Team for Grameen Foundation in Uganda. She manages the engagement with Barclays, to deliver mobile ICT and financial services products to village and savings associations (VSLAs), and with Airtel, to provide a mobile money solution to serve women in VSLAs in Uganda. She has a background in consulting and joined the AppLab from the Strategy Team at Deloitte in London where she has worked with a range of public and private sector clients. Fiona received the ACA from ICAEW and her BA from the University of Oxford.

Mobile Banking Services

Standard Chartered provides global and regional disbursement services to many international development organizations, delivering effective solutions for rapid and secure fund transfers to recipients in difficult markets. With most organizations working in remote and undeveloped regions, there was an urgent need for a low cost, rapid and secure transfer of funds solution. Standard Chartered partnered with the telcos in Kenya to provide a mobile banking solution which would fill the gap of rapid and secure funds delivery. The Mobile Money solution offers the following advantages: reduced payment lead time; reduced cash handling risks; automated reconciliation; and enhanced reach into remote areas.

Ms. Eva Ngigi, Transactional Banking Sales Manager, Standard Chartered Bank Kenya, Ltd.

Ms. Eva Ngigi has been with the bank since 2012 having worked in two other banks previously in various roles. She has been in banking for the last nine years and holds a master's degree in Business Administration from Nairobi University. In her current role, she is responsible for structuring transactional banking solutions for development organizations and government agencies. She has assisted global development organizations automate aid disbursement to remote and high risk areas.

Salesforce.com: Bringing New Opportunities with Cloud Technology

Isabel Kelly, Salesforce Foundation International Director, plus a small group of Salesforce users from Kenya, Mr. Dennis Onyango, Mr. John Munyi, and Mr.Gilbert Ambani, will showcase different uses of Salesforce technology to support organizations managing a wide variety of social issues from sanitation and microfinance to animal welfare and people with disabilities. For 15 years Salesforce has been the leader and driver of Enterprise Cloud Computing. This session will introduce Salesforce, the Salesforce Foundation, and how your organization can become a Connected Nonprofit and connect your community and expand your impact. We'll discuss how organizations around the globe and also here in

Kenya are making use of Salesforce mobile, social, and cloud technology on a unified data platform to make a difference each and every day. In one case study of a nonprofit here in Kenya, you will hear how we enable more efficient fundraising, to process loans integrated with M-Pesa, all the way through to tracking numbers of people using toilets. Today's Connected Nonprofits are communicating more effectively, delivering better programs and services, engaging and strengthening community, and raising more funds.

Ms. Isabel Kelly, Salesforce Foundation International Director, UK

Has a passion for social change through supporting amazing organizations to do more. She worked for 11 years at Amnesty International prior to starting to build the International team of the Salesforce.com Foundation in 2002.

NetSquared Kenya: Modernizing Agriculture through Technology

NetSquared objectives are to: (a) organize online and offline meetings with all stakeholders, (b) connect projects with development partners, (c) spread digital literacy and skills, (d) provide web application development, and (e) provide consulting services. This session will highlight the benefits of NetSquared services and products and the problems to which they are being applied.

Mr. Chrisphin Ochieng Okumu, Internet Next Generation Leader, NetSquared Kenya

Mr. Okumu is the founding president and CEO of Muungano Development Gateways an NGO with headquarters in Busia, Kenya, dedicated in bringing the ICTs to the center of social development. His is skilled in public health and community development, management, livelihood development and web development. He has a BSc. Degree in Mathematics.

Mobile Solution for Women Empowerment

In Myanmar, Pact works to improve the resilience of communities through savings-led women's empowerment and community-based health programs. In 2012, Pact started using mobile phone data collection in hopes of collecting program data more quickly and cleanly. To date, Pact has used Magpi to survey over14,000 women on livelihoods and maternal and child health outcomes across three projects operating in 24 townships .Mobile data collection has shaved weeks off of data collation and cleaning. Benefits are in exposing underserved communities to cutting-edge technology and its advantages. By having instant access to data, the projects are able to improve targeting and give more support to the most in-need women by tracking beneficiary data promptly, addressing implementation problems as they arise, and quickly responding to outcome-level results through program modification.

Dr. Ei Thinzar Min Min Oo, Program Coordinator for Women Economic Empowerment program (WORTH), Pact Myanmar

Dr. Ei Thinzar Min Min Oo has been working with Pact's community development projects in Myanmar for about a decade. These programs build communities' commitment and ability to combat and respond to disease and livelihoods challenges in more than one thousand villages in Central Myanmar. In 2008, she acted as an Emergency Medical Response Team Leader in the aftermath of Cyclone Nargis, serving more than 500 communities in Myanmar's Delta Region. Currently, she is the Program Coordinator of WORTH in Myanmar, a savings-led women's economic empowerment program, which targets 45,000 economically disadvantaged women in three divisions of rural Myanmar. Dr. Ei received her medical degree from University of Medicine Yangon, Myanmar and was a Humphrey Fellow at Tulane University School of Public Health to study Public Health Policy and Management.

Creating Scale by Leveraging Existing Community Resources: How It's Done

Successful interventions can't just engage Ministries; they must also win over key community agents. See how one of the world's largest interventions successfully tapped existing resources of several global NGOs, being Kilifi Kids/Rotary, Medic Mobile and Christian Aid. The learning objectives of our work in Kenya will include how to select the right partners for project accountability and transparency, engage global NGOs to fund and strategically support mHealth interventions, and convince your partners to scale (and do it quickly).

Claudette Jollebo, Executive Director, Kilifi Kids

Claudette Jollebo is the Executive Director at Kilifi Kids. With undergraduate studies in Sociology and a master's degree in Health Promotion and International Development she has been engaged in project design and development, management, Implementation ,monitoring and evaluation and research in health programs .She has over seven years work experience in community health programming, health promotion , behavior change communication and

community based participatory health research with specific focus on preventive strategies on communicable and non-communicable diseases, maternal and child health, sexual and reproductive health, population and family planning, nutrition, water and sanitation and socio-economic and gender issues.

Maeghan Orton, Africa Regional Director, Medic Mobile

Maeghan Orton is the Africa Regional Director of Medic Mobile. As a business student at the University of Waterloo, she lived in Uganda and worked with HIV-positive women to create a micro-credit and health program. She later received an MSc in International Health from Queen Margaret University, Edinburgh, and became enthralled with appropriate technology in global health. She has seven years of experience in the financial and international development sectors, specializing in maternal and child health. She has lived in 12 countries in North America, Africa, the Caribbean and Europe and now manages Medic's East Africa programs from a base in Nairobi.

Jimmy Obuya, Program Officer of Health, Christian Aid East Africa Program

Jimmy Obuya is the Program Officer of Health at Christian Aid East Africa Program. His focus is on innovations in health interventions including community health systems strengthening approaches, ICT4D and mhealth integration, support to partnerships in learning processes and outcome evaluation. His experience includes developing tools and materials that standardize approaches in community health programming, integrating ICT solutions in program work, communication for development and learning processes and research.

The Effects of the Application of ICT Platform on Livestock Disease Control and Trade on the Livelihoods of Pastoral and Smallholder Communities in Northern Kenya

Pastoralist communities generally live in isolated, remote and underdeveloped areas that are often conflict prone, food insecure and associated with high levels of vulnerability and destitution. The existing IS/ICT theories and frameworks are based on homogeneous entities, leading to a one-size-fits-all view of developmental interventions. Without rigorous research concerning ICT impact, it is difficult to postulate the extent to which there are influences/changes, and whether they are positive for the communities/recipients of the intervention. We are seeking to examine the effects of the application of ICT platform on livestock disease control and trade on the livelihoods of pastoral and smallholder communities in northern Kenya. This presentation will review several systems that have been developed and applied to the pastoral communities to guide these efforts both in the developing and developed countries. It will examine the effects of the application of ICT platform on livestock disease control and trade on the livelihoods of pastoral and smallholder communities in northern Kenya by evaluating a Market transaction and rumour register system that can "capture" both the physical and social reality of the pastoral community, their interactions with one another and the external dynamic environment.

Mr. Amos Omamo, Jaramogi Oginga Odinga University of Science and Technology (JOOUST), Lecturer

The Next Wave of Mobile Applications for International NGOs

Over the past 2-3 years International NGO s have ramped up implementations of mobile technology to support their data collection activities. Many of these solutions have centered on M&E, Survey and Audit activities which have enabled significant benefits in terms of speed, accuracy and efficiency. PSI's most recent interactions with the NGO community have provided consistent messages regarding the next phase of development for mobile solutions. Applications supporting customized workflows for Beneficiary Registration and Management, Aid Distribution, Activity and Task Management supported by powerful Reporting tools supporting standard indicators and key metrics can deliver enhanced operational effectiveness to International NGOs.

Mr. Kieran O'Toole, Head of NGO Sector, PSI Mobile, Ireland

Kieran has 30 years of experience working with multinational technology organizations in Europe and USA. His prime area of expertise concerns the delivery of technology solutions to clients in both the commercial and NGO sectors. In his current role with PSI Mobile, Kieran heads up PSI's focus on the development, implementation and support of solutions specifically tailored for international NGOs. This role requires working side by side with PSI's users in the field to understand their key challenges in sometimes difficult and remote environments. Recent implementations have seen projects delivered in Nicaragua, Syria, Malawi, DRC and Ethiopia.

CE3 Connectivity, Electricity and Education for Entrepreneurship

More than 1.3 billion people lack access to an electricity grid. Considering the multiplier effects of ICT for development, and ICT's reliance on electricity, this is especially important for ICT4D. The Notre Dame Initiative for Global Development (NDGID), in partnership with Accenture (a global consultancy) and BOSCU-Uganda (a Ugandan NGO) is implementing a pilot intervention that incorporates renewable energy, energy efficient ICT, and entrepreneurship training. The combined effort is intended help to stimulate economic growth and job creation. Progress to date includes successful installation at multiple pilot sites, initiation of training already reaching hundreds of trainees, and new enterprises initiated.

Mr. Patrick M. Murphy, Program Director, Notre Dame Initiative for Global Development (NDIGD), University of Notre Dame, USA

Mr. Murphy develops and leads programs that focus University of Notre Dame faculty expertise on mitigating the challenges of economic and social development worldwide. Murphy's emphasis is on renewable energy solutions in challenging environments, like Uganda and the Congo. By combining electricity access with Internet and Communications Technologies (ICT), education, and entrepreneurship, we promote organic and sustainable growth. Previously, Murphy led research projects for the US Department of Homeland Security and the Department of Defense, and served in multiple positions as U.S. army intelligence officer. Murphy is currently a Ph.D. candidate in Operations Research at the George Washington University.

Haiti: A Case in Building ICT4D Resilience for our Education Partners

Catholic Relief Services (CRS), the University of Notre Dame (NDU) and the Episcopal Commission for Catholic Education (CEEC), are working to improve the quality of education in Haiti by concentrating on system-wide teacher training and the formation of student governments and parent teacher associations. This effort comes on the heels of the most extensive survey and mapping of Haiti's Catholic education system ever conducted. Using GPS-enabled iPod touch devices, data collectors visited nearly all of the Catholic schools in the country during the 2011-2012 school year. The CRS/NDU/CEEC team is now using this data to design programs to improve education, monitor schools' progress, and advocate for more support from the Haitian Ministry of Education and other stakeholders. This talk will describe the role that ICT continues to play in monitoring and evaluation of these school strengthening efforts.

Sony Belizaire, Acting ICT4D Manager, Catholic Relief Services Haiti

Mr. Sony Belizaire serves as the Acting ICT4D Manager for the CRS Haiti Department of Monitoring, Evaluation, Accountability, and Learning. He has provided effective ICT4D support to CRS Haiti programming staff and partners, since 2010. He has provided also ICT4D support in Madagascar, Niger and the Democratic Republic of Congo. Prior to working with CRS he taught computer science at Centre Universitaire de Management de Productivite from 2006 to 2010. In addition to his work at CRS, Sony teaches GIS at Ecole Superieur d'Infotronique d'Haiti (ESIH).

Technology for Food - Building Farmers' Resilience to Climate Changes in Rural Kenya

 Christian Aid in partnership with the Kenya Meteorological Department, Tradecraft East Africa and Frontline SMS established a climate forecast dissemination platform in Mbeere district Kenya as part of the Sustainable Agriculture Livelihoods Interventions (SALI) project. The project targeted 2000 farmers to solve the challenges they faced due to inability to access accurate and timely weather forecasts. Weather information from other media e.g. television or radio are out of the reach of the farmers and the predictions are not specific to the areas where the farmers belong.
The Climate forecast dissemination platform is a platform that provides a feedback loop and an interface with government extension service. The project, implemented between 2009 and 2012 used the ICT platform to reach 2000 local farmers with tailored climate forecast information. This enabled the farmers to improve their productivity and subsequently 94% of farmers attributed increases in crop output to decisions they had made differently as a result of improved access to forecast information.

Mr. Jimmy Wetindi, Christian Aid, East Africa Program

Building Professionalism through Innovation

How comprehensive ICT solutions build professionalism among farmers, health professionals and teachers and how this results in resilient farms, health facilities and schools. Specifically:

1. How young farmers in Kenya make use of a wide range of ICT tools to be informed about market prices, value chain developments and practices. Sneak preview of a new Farm Management Information System.
2. How health facilities improve their quality and efficiency by using a Health Management Information System, which links community health information to the facility and beyond.
3. How teachers in remote rural schools make use of ICT tools to make school management more efficient, allowing them to spend more time in front of the classroom.

Ms. Krista Kruft, International Institute for Communication and Development (IICD)

Ms. Krista Kruft is the Head of Country Programs at IICD, The Netherlands. She is supporting the organization in its transition from a foundation to a social enterprise. She and her team are developing new partnerships and programs as well as ICT based solutions and services to solve social problems in Africa and Latin America. She has experience in managing change in complex international environments. Her original expertise lies in the area of child rights and has evolved, through an international e-learning project on child abuse and neglect, to ICT4D. She has been with IICD for over one year.

Identifying Barriers to the Implementation and Scale Up of Mobile Technology

ICT4D projects fail due to common limitations, but can succeed with common approaches to ICT. The workshop will examine the categories of limitations and lessons learned in past cases. Solutions to these challenges will cover ICT processes and practical perspectives and tools. Processes will explain the steps required to avoid predictable failures. Perspectives will help participants understand the broader context of what enables success. Practical development tools will then be shared to enable adoption and development. Participatory discussions will be held to support attendee's planning for ICT4D.

Kelly Keisling, Global Healthcare Program Director, NetHope

Kelly Keisling is the NetHope Global Healthcare Program Director, where he directs mHealth content of the NetHope Solution Center website. Kelly also managed NetHope's community development of an open electronic facility registry service with OpenHIE for PEFAR/USAID. Kelly is the co-founder and co-chair of the mHealth Working Group, a collaborative forum for 1,500+ members in 70+ countries. He has worked on development of a national mHealth strategy for Deloitte and the Tanzanian Ministry of Health. Kelly also supported design of a national eHealth platform for the Ethiopian Ministry of Health under BMGF. He led development of the mHealth Toolkit website for USAID's K4Health project. Kelly has worked on mHealth for CRS and RHRU South Africa. He has worked in global health for Johns Hopkins CCP, He has an MPH in Health Behavior and Health Education from the University of North Carolina. Kelly also has nine years of private sector experience, including management consulting for corporate strategy, investor relations for emerging market mobile operators, and capital markets in developing countries.