Emergency Data Science:
Taking Advantage of the Data Flood

December 4 and 5, 2018 | York University | Toronto

_WORKSHOP DAY 1

Day 1 will begin with a session on user-centred development of software solutions that will set the stage for the workshop, followed by a presentation on data ethics in the humanitarian domain. Representatives from five humanitarian organizations will present the Challenges that will be tackled on Day 2 of the workshop. Three humanitarian specialists will present their organizations' solutions to complex data-related challenges in order to share lessons learned for future work. **Open to all invited participants and observers.**

All events take place at the Second Floor Convention Space, New Student Centre (see details on this page), unless otherwise specified.

8:30a – 9:00a	*Registration and light breakfast*
9:00a – 9:10a	Opening remarks – James Orbinski, Director of the Dahdaleh Institute for Global Health Research
9:10a – 9:30a	Workshop Format: What to Expect & What We're Aiming For – Syed Imran Ali & Tino Kreutzer
9:30a – 10:10a	Making it Work: User-Centered Design to Understand Complex User Needs and Build Realistic Tools for Humanitarian Response
10:10a – 10:30a	*Coffee Break*
10:30a – 11:10a	First Do No Harm: Ethics, Privacy, Security, and Governance of Data in the Humanitarian Domain
11:10a – 11:30a	Challenge 1: Big Data and Cash – William Martin, Catholic Relief Services
11:30a – 11:50a	Solution I: IFRC Go Platform – Dan Joseph, American Red Cross
12:00p – 1:00p	*Lunch*
1:00p – 1:20p	Challenge 2: Global Nutrition Dashboard – Paula Tenaglia, Action Contre la Faim
1:20p – 1:40p	Solution II: IRC Emergency Assessment Tool – Bobi Morris and Elena Chopyak, International Rescue Committee
1:40p – 2:00p	Challenge 3: Safe Water Optimization Tool – Syed Imran Ali, York University
2:00p – 2:20p	*Coffee Break*
2:20p – 2:40p	Solution III: mVAM—Mobile Technology for Household Food Security Data Collection – Kusum Hachhathu, World Food Programme
2:40p – 3:10p	Challenge 4: WASH Data Portal – Ben Harvey, UNHCR and Maxym Malynowsky, REACH South Sudan

3:10p – 3:30p	*Coffee Break*
3:30p – 3:50p	Challenge 5: Natural Language Processing for Remote Needs Assessments – Bobi Morris, International Rescue Committee
3:50p – 4:10p	What to Expect for Day 2; Participants assigned to working groups
5:00p – 6:00p	*Cocktail reception*
6:00p – 8:00p	*Conference Dinner at Schulich Executive Dining Hall* **(Invited participants only)**

_WORKSHOP DAY 2

Selected individuals will form working groups around each of the Challenges. Groups will collaboratively generate high-level concepts and business plans for solutions (~4 hours). Strengths, weaknesses, and next steps for each solution will be discussed in the plenary group. **Invited participants only.**

8:30a – 9:00a	*Light breakfast*
9:00a – 9:15a	Instructions for Working Groups and Goals for Day 2 – Syed Imran Ali & Tino Kreutzer
9:15a – 12:00p	Participants split into five Working Groups (pre-assigned) to tackle respective challenges **(Invited participants only)**
10:00a	Coffee and refreshments available (groups can take a break as they like)
12:00p – 1:00p	*Lunch*
1:00p – 2:30p	Working Groups, continued **(Invited participants only)**
2:30p – 2:45p	*Coffee Break*
2:45p – 4:00p	Working Groups Plenary Presentations (5 x 15 min each) **(Open to all invited participants and observers)**
4:00p – 4:15p	Next Steps – Syed Imran Ali and Tino Kreutzer
4:15p – 4:30p	Closing Remarks – Dr. James Orbinski, DIGHR Director

_WIFI CONNECTION

http://staff.computing.yorku.ca/internet-access/wireless-access/airyork-guest/

AirYorkGUEST

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- Maximum duration of a login session is 8 hours. Upon reaching this session time limit, the connection to the AirYorkGUEST network will be terminated without warning. However, you can register again for another **8 hour session**.
- **IMPORTANT**: AirYorkGUEST cannot be used by the community that normally uses either eduroam or AirYorkPLUS.

How do I get it?
Self Registration Process

1. **Connect to the AirYorkGUEST network**
   In the list of available wireless networks, select AirYorkGUEST. See image.
2. **Get redirected to the AirYorkGUEST splash screen and enter your information**

You will be redirected to the AirYorkGUEST Service Registration Page. Select an authentication method - **email** or **sms**. Accept the terms and conditions. If you provide your email address then you will get 10 mins of internet access to check your mail and click on the validation link. See image.

3. **Receive and confirm the the verification message and start using the Internet**
   Click on the validation link on the email you received to start accessing the internet or enter the verification code you received via SMS in the Service Registration Website. See example of email. See example of access granted message.