

# 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. Three humanitarian specialists will present their organization's 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, unless otherwise specified. Location information is available at [emergencydatascience.org/directions](http://emergencydatascience.org/directions).

- 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 – Jana Daher, 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	<i>Cocktail reception</i>
6:00p – 8:00p	Conference Dinner at <a href="#">Schulich Executive Dining Hall</a> ( <b>Invited participants only</b> )

## WORKSHOP DAY 2

Participants will meet in their working group. Each group will collaboratively tackle one challenge and generate high-level concepts (~4 hours). Strengths, weaknesses, and next steps for each solution will be discussed in the plenary group. **Invited participants only.**

8:30a – 9:00a	<i>Light breakfast</i>
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
10:00a	Coffee and refreshments available (groups can take a break as they like)
12:00p – 1:00p	<i>Lunch</i>
1:00p – 2:30p	Working Groups, continued
2:30p – 2:45p	<i>Coffee Break</i>
2:45p – 4:00p	Working Groups Plenary Presentations (5 x 15 min each)
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

[AirYorkGUEST](#) is for On-campus visitors who require Wi-Fi internet access. AirYorkGUEST cannot be used if you normally use either eduroam or AirYorkPLUS.

Maximum duration of a login session is 8 hours, at which time the connection to the AirYorkGUEST network will be terminated without warning. However, you can register again for another 8 hour session.

To connect:

1. **Select AirYorkGUEST** in the list of available wireless networks
2. **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, you will get 10 mins of internet access to check your mail and click on the validation link.
3. **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.

More information: <http://staff.computing.yorku.ca/internet-access/wireless-access/airYork-guest/>