Health and Humanitarian Logistics

July 18-19 • Dubai, UAE
Welcome to the 10th Annual Conference on Health & Humanitarian Logistics (HHL)

Share The Conversation #HHL2018 or #HHLConf
9:00 AM
Conference Introduction

Dr. Pinar Keskinocak
Co-founder and Director, Center for Health & Humanitarian Systems (CHHS)
Professor, School of Industrial & Systems Engineering
Georgia Institute of Technology

Dr. Julie Swann
Co-founder, Center for Health & Humanitarian Systems (CHHS)
Department Head & Professor, Department of Industrial and Systems Engineering
NC State University
2018 HHL Conference Co-Chairs

- Özlem Ergun, Mechanical and Industrial Engineering, Northeastern University
- Jarrod Goentzel, Humanitarian Response Lab, MIT
- Pinar Keskinocak, Center for Health & Humanitarian Systems (CHHS), and School of Industrial and Systems Engineering, Georgia Tech
- Julie Swann, Fitts Department of Industrial and Systems Engineering, NC State University
- Luk Van Wassenhove, Humanitarian Research Group, INSEAD
- Liz Igharo, The International Association of Public Health Logisticians (IAPHL
- Dominique Zwinkels, People that Deliver (PTD)
A Global Conference: Partner Organizations & Hosts

2018: Thank you to The International Humanitarian City

2017: unicef

2016: Georgia Tech Health & Humanitarian Systems

2015: Gordon Institute of Business Science
       University of Pretoria

2014: Tecnológico de Monterrey

2013: MALAYSIA INSTITUTE FOR SUPPLY CHAIN INNOVATION

2012: KÜHNE LOGISTICS UNIVERSITY

2009-2011: Georgia Tech Health & Humanitarian Systems
2018 HHL Program Committee

- **Carmit Keddem** – John Snow, Inc. (JSI)
- **David Sarley** – Bill & Melina Gates Foundation
- **Esther Ndichu** – UPS
- **George Fenton** – Humanitarian Logistics Association
- **Prashant Yadav** – Bill & Melinda Gates Foundation
- **Paulo Gonçalves** – Università della Svizzera italiana
Special Thanks to...

- Georgia Tech staff and students
  - Joscelyn D. Cooper
  - Andy Haleblian
  - Nikia Hendricks
  - Pear Banjurtrungkajom

- International Humanitarian City
  - Giuseppe Saba
  - Khalid Al Awadhi
  - Giuseppe Linardi
  - Hanan Al Marzooqi
  - Operations Team
  - Board Members

- HelmsBriscoe
  - Nell Nicholas

- Twenty Four Degrees LLC
  - Roshni Chhabria
  - Nikhil Veetukattil

- 2018 Program Committee

- Student Volunteers
  - SP Jain School of Global Management
  - Abu Dhabi University
  - University Of Wollongong In Dubai

- Speakers and Attendees
Thank you to our 2018 HHL Conference Sponsors!
The 2018 conference organizers would like to especially thank

The UPS Foundation

for its ongoing support of the Health & Humanitarian Logistics Conference for the 10th year

2009-2018
2018 attendee country representation

The size of the circles represents the percentage of attendees from each country. The larger the circle, the larger number of attendees.
• What knowledge can I take away and apply for myself, my colleagues, my organization, the constituents we serve, my community, etc.?

• What action will I take and when I return?

• What action will I encourage others to take when I return?
Welcome Address

Caroline Faraj
Board Member, International Humanitarian City, Dubai;
VP Arabic Services, CNN
9:45-10:45AM

Keynote Address

Jagan Chapagain
Under-Secretary-General for Programmes and Operation, International Federation of Red Cross and Red Crescent Societies (IFRC)
Health and Humanitarian Logistics Conference
Dubai, July 2018

Leaving no one behind.
Today....

- Global Humanitarian context
- Public Health Emergencies: challenges and strategies
- Strengthening Public Health System
- Health Care Logistics
Global Humanitarian trends....
Today’s humanitarian challenges in numbers...

- Over 700 million people live on less than 2 USD a day. About 71% of world population live on 10 USD a day.
- One billion people live in urban slums, could double by 2030.
- More than 1 billion people in developing countries have inadequate access to water.
- Over 815 million people around the world are hungry.
- Over 205 million people are affected by weather-related disasters annually—more than 98 per cent in developing world.
- Around 37 million people are living with HIV, about 5,000 infections per day.
- Over 15,000 children under 5 die daily from preventable diseases like malaria and diarrhoea—one every six seconds.
Pandemics….

“No one is safe until every one is”.
- Elhadj Sy, IFRC Secretary General
Challenges to Public Health Emergencies

- Weak national detection and response capacities in many countries
- Limited surge capacity regionally and internationally
- Assertion of sovereignty vs. Global solidarity to a common threat
- Centralized control vs. Community engagement
- Regulatory approvals
- Global Health financing and governance
Global Strategies for Public Health Emergencies
Prevention, Preparedness, Response and Recovery

Diseases with epidemic and pandemic potential threaten lives, but also affect all aspects of society – food production, routine health care, economic security, trade, education, transport, etc.

- “Whole of Society” Approach
- Communities at the Centre
- OneHealth
Strengthening the Public Health System

- Capacity Building: Local or International?
- Enhancing Health Systems
- Financing
- Incident management system
- Research
- Infrastructure Strengthening
- Role of local actors
- Role of private sector
- Special needs of fragile states
Preparedness - ERU Field Hospital
“All the donated drugs in the world won’t do any good without an infrastructure for their delivery”

- Dr. Margaret Chan
Importance of Healthcare Logistics

- Moving from the dark basement to the spotlight
- Reaching the last mile
- Building Resilient Country Capacity
  - Health workforce/ People that Deliver (PtD) initiative hosted by UNICEF
  - Leadership and management
- New and emerging technologies
- “Maturity models” – consider more cooperative approach
134,900 m³ of goods delivered
This would fill 54,000 Olympic-size swimming pools

85.5 million mosquito nets

776,700 food parcels

525,600 hygiene kits
LPSCM Global Structure
Standard Products Catalogue

http://procurement.ifrc.org/catalogue/
Challenges in a complex health supply chain

- Multiple pharmaceuticals
- Different regulations
- Multiple country specific coding principles
- Technological costs in warehouses
- Trainings
**Challenges to keep medicines quality**

- Different temperature zones
- Maintain the appropriate cold chain
- Countries with weak infrastructure
- Comply with WHO standards
- Foster a green supply chain
Some complex operations...

We operate in countries like Central African Republic, Syria, Yemen…
- We delivered more than 5 Millions antimalaria treatment, more than 4 Millions mosquito nets in CAR
- We delivered essential medicines in Syria, Yemen

Challenges faced
- Port congestion → Demurrage
- Customs clearance → Take times (IDRL may help)
- Complex emergency in a highly volatile and insecure environment
- No direct international access, land movement subject to security situation and permit released by the different parties.
Who we are & What we do

The IFRC in numbers

<table>
<thead>
<tr>
<th>National Societies</th>
<th>Local branches</th>
<th>Staff</th>
<th>Volunteers</th>
</tr>
</thead>
<tbody>
<tr>
<td>190</td>
<td>165,822</td>
<td>473,513</td>
<td>11.6 million</td>
</tr>
</tbody>
</table>

Our reach

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>106.5 million</td>
<td>people reached with long-term services and development programmes</td>
</tr>
<tr>
<td>49.5 million</td>
<td>people reached with disaster response and early recovery programmes</td>
</tr>
<tr>
<td>43.2 million</td>
<td>people reached by disaster risk reduction programmes</td>
</tr>
<tr>
<td>188 million</td>
<td>people reached with health support</td>
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</tbody>
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Saving lives, leaving no one behind

Building resilience, the voice of local communities

The world's largest humanitarian network, reaching the last mile
Thank you
Health and Humanitarian Logistics

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