

Health and Humanitarian Logistics



2018
Conference

July 18-19 • Dubai, UAE

Welcome
to the 10th Annual Conference
on
Health & Humanitarian
Logistics (HHL)

Share The Conversation #HHL2018 or #HHLConf

Hosted and Co-organized by:



NC STATE UNIVERSITY



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

NC STATE UNIVERSITY

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
- **Jarrold 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)



Co-organized by:



NC STATE UNIVERSITY



2019

A Global Conference: Partner Organizations & Hosts

2018: Thank you to The International Humanitarian City



2017:



2013:



2016:



2012:



2015:



2009-2011:



2014:



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 Banjurtrungkajorn
- **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**
 - S P Jain School of Global Management
 - Abu Dhabi University
 - University Of Wollongong In Dubai
- **Speakers and Attendees**

Premier Sponsor



Silver Sponsors



Supporters



Thank you
to our
2018 HHL
Conference
Sponsors!

The 2018 conference organizers
would like to especially thank

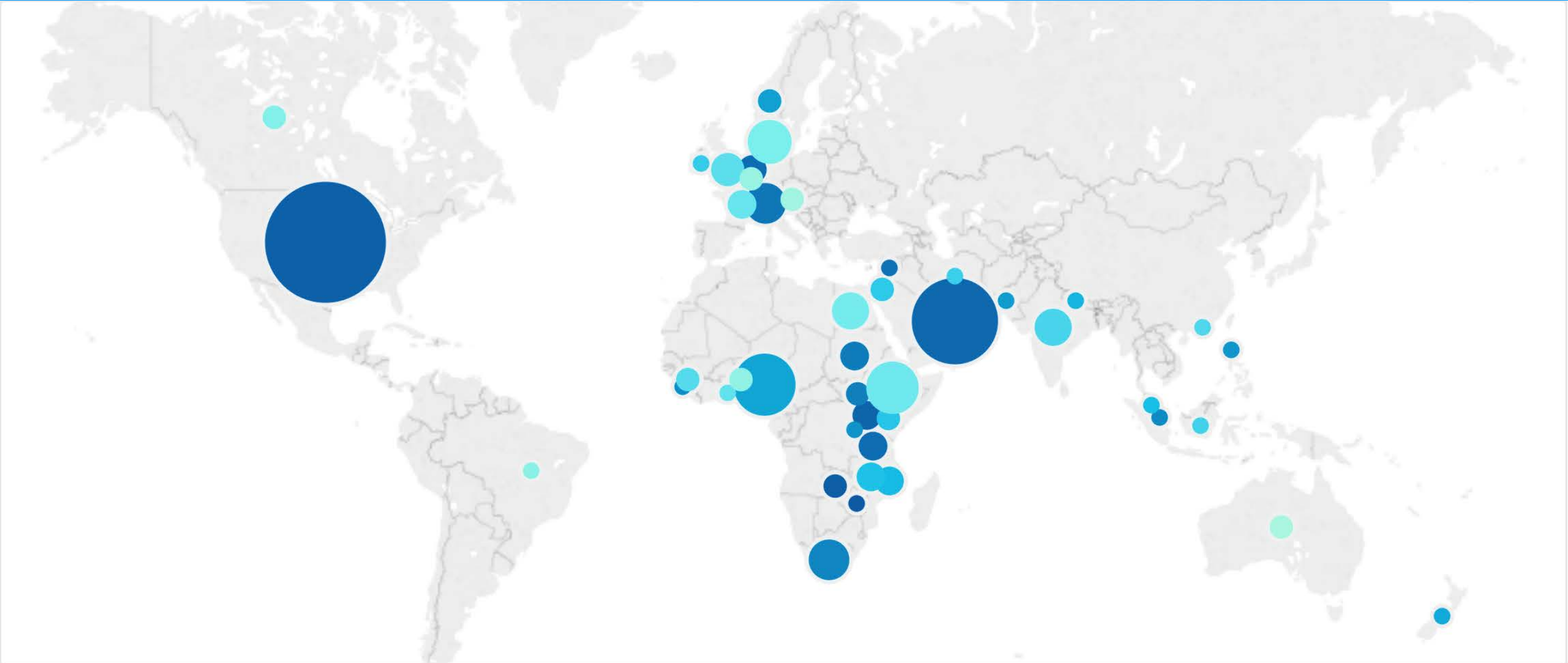
The UPS Foundation

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



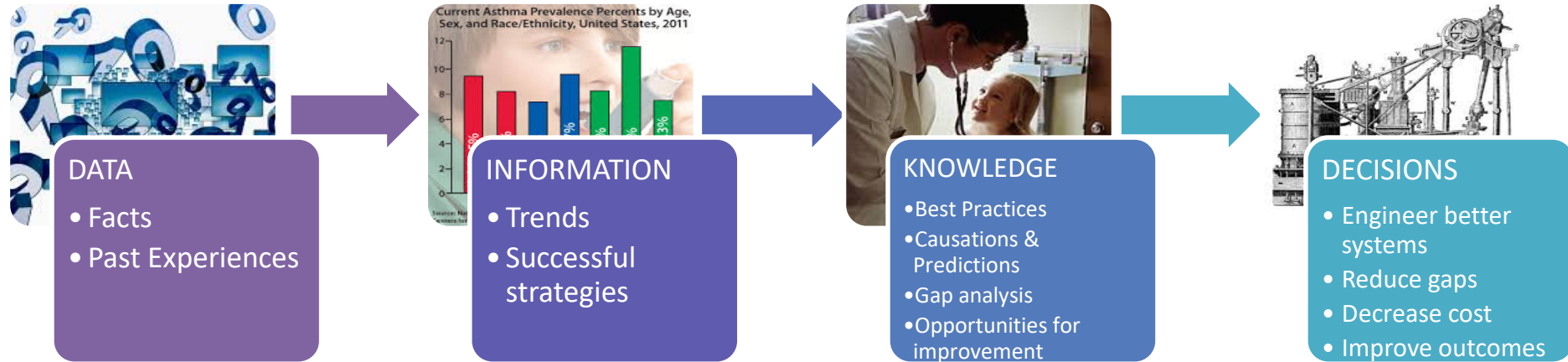
2009-2018

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.

Challenge to You



- 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?

9:30 AM

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)



www.ifrc.org
Saving lives, changing minds.

 International Federation
of Red Cross and Red Crescent Societies



**INTERNATIONAL
FEDERATION OF
RED CROSS AND
RED CRESCENT
SOCIETIES**

**190 National
Red Cross and
Red Crescent Societies**

**Leaving
no one behind.**

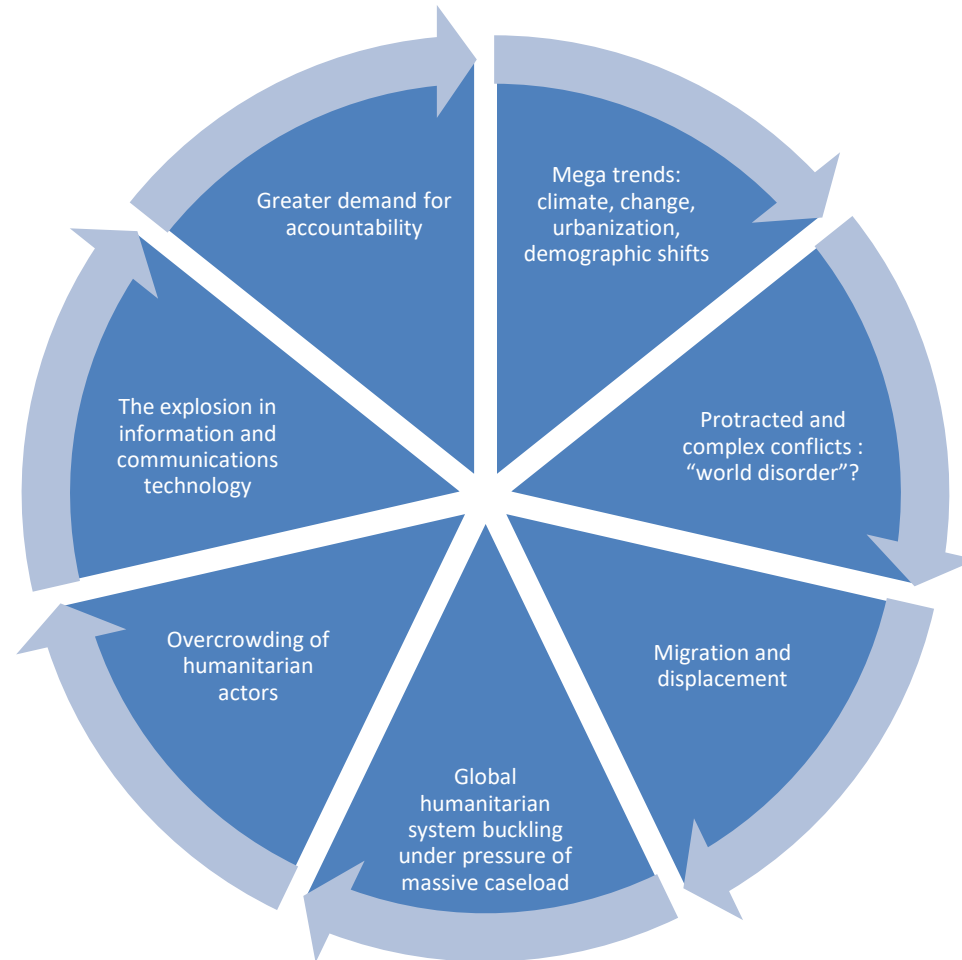
**Health and Humanitarian Logistics Conference
Dubai, July 2018**

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***

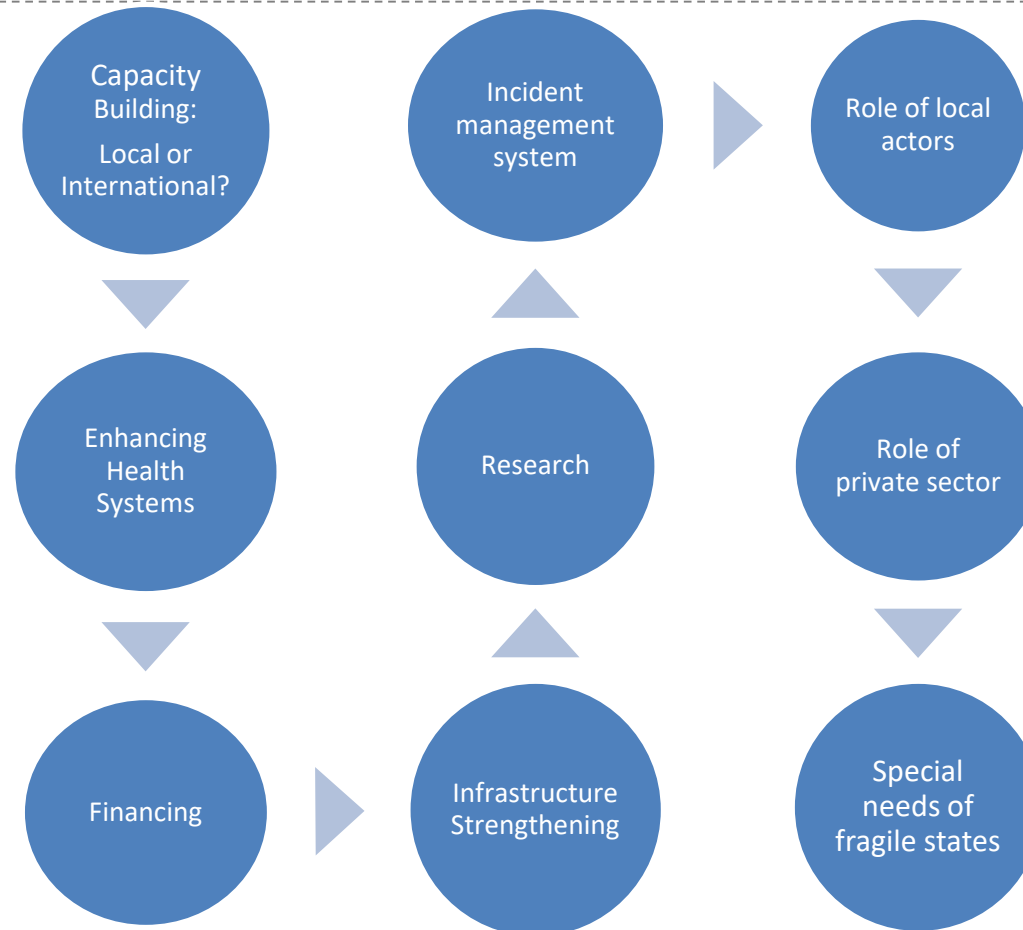
Diseases with epidemic and pandemic, potential threaten lives, but also affect all aspects of society – food production, routine health care, economic security, trade, education, transport, etc.



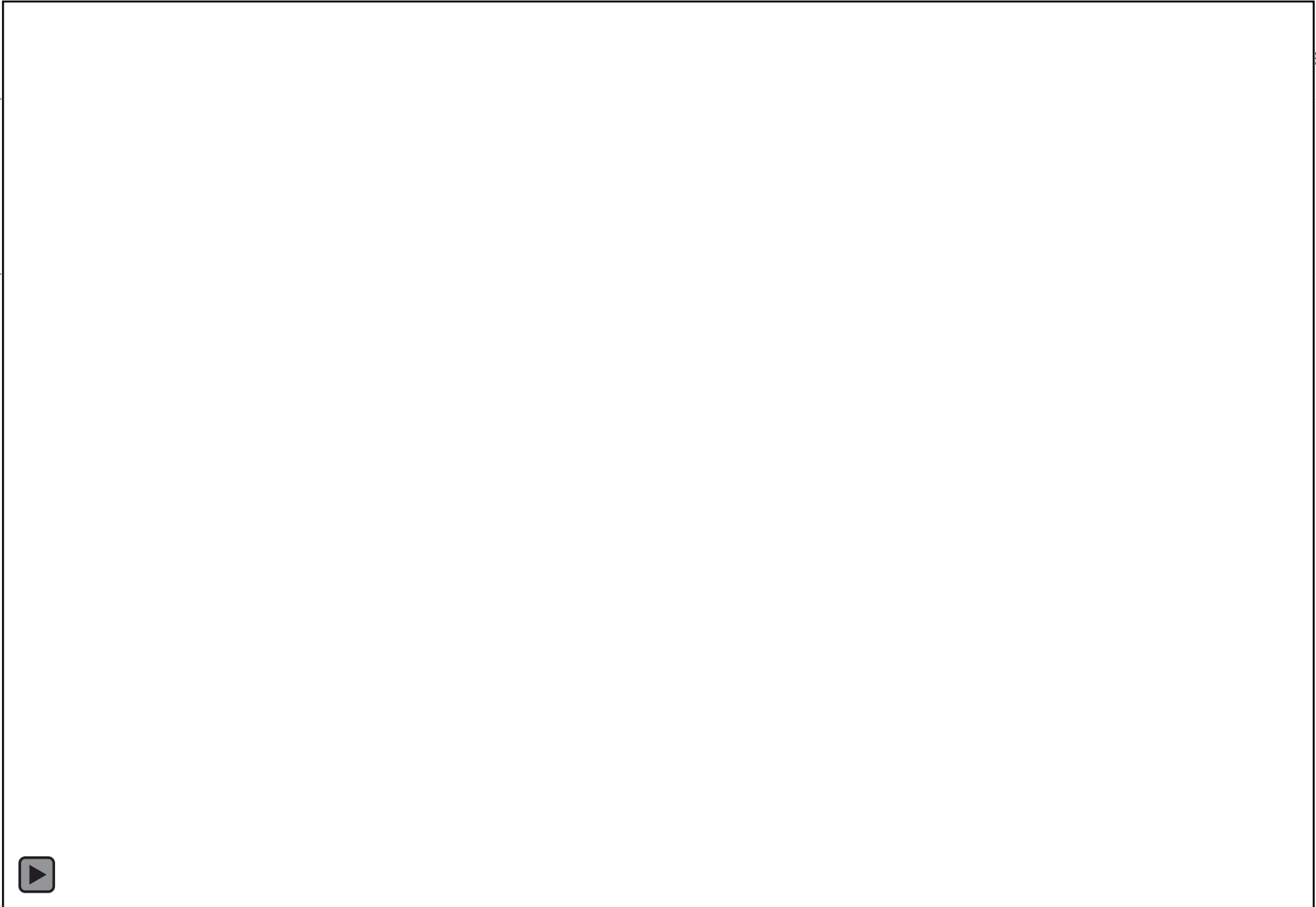
- *“Whole of Society” Approach*
- *Communities at the Centre*
- *OneHealth*



Strengthening the Public Health System



ent Societies



Preparedness - ERU Field Hospital





Healthcare Logistics

**“All the donated drugs in the world
won’t do any good without an
infrastructure for their delivery”**

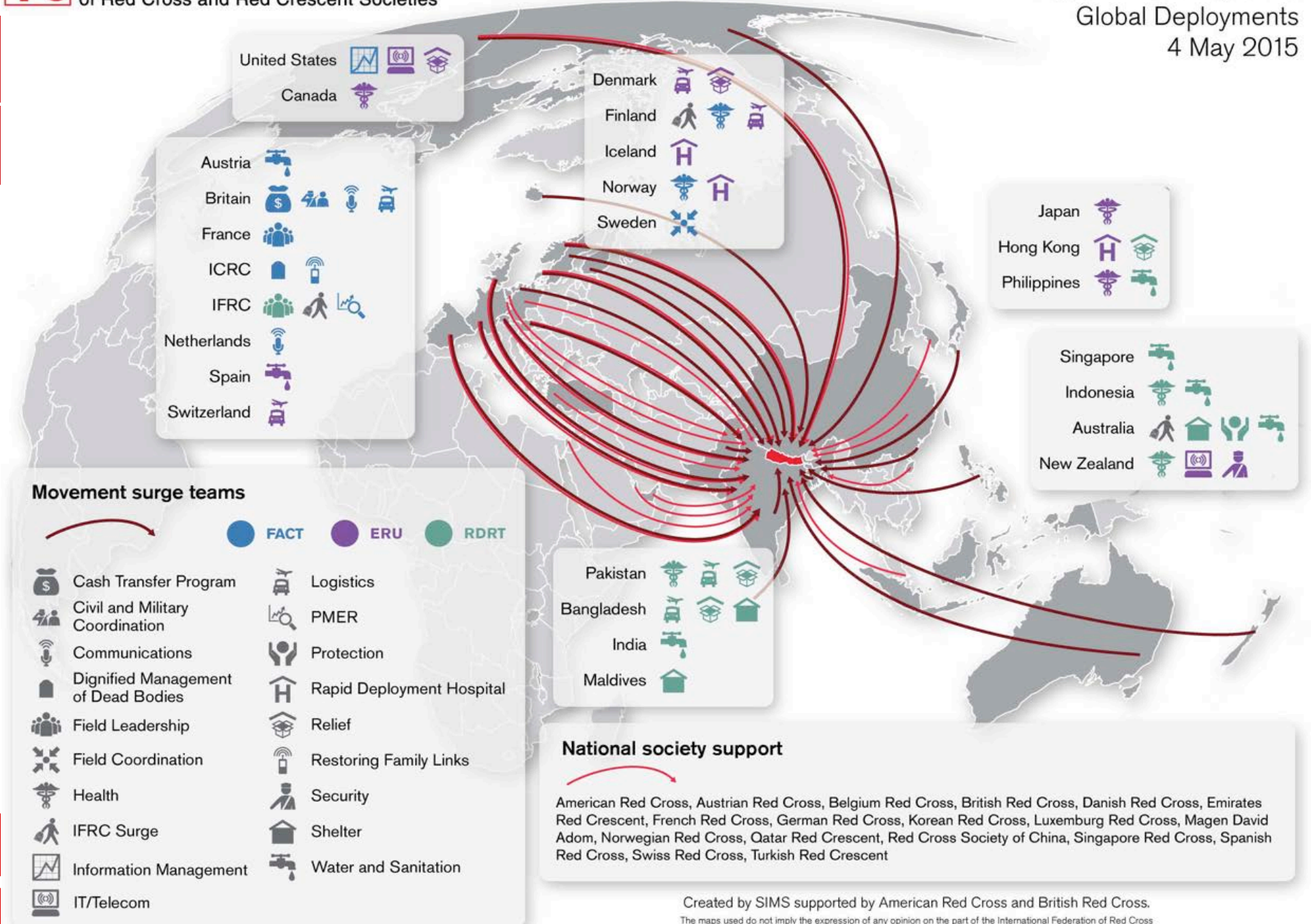
- Dr. Margaret Chan



Importance of Healthcare Logistics

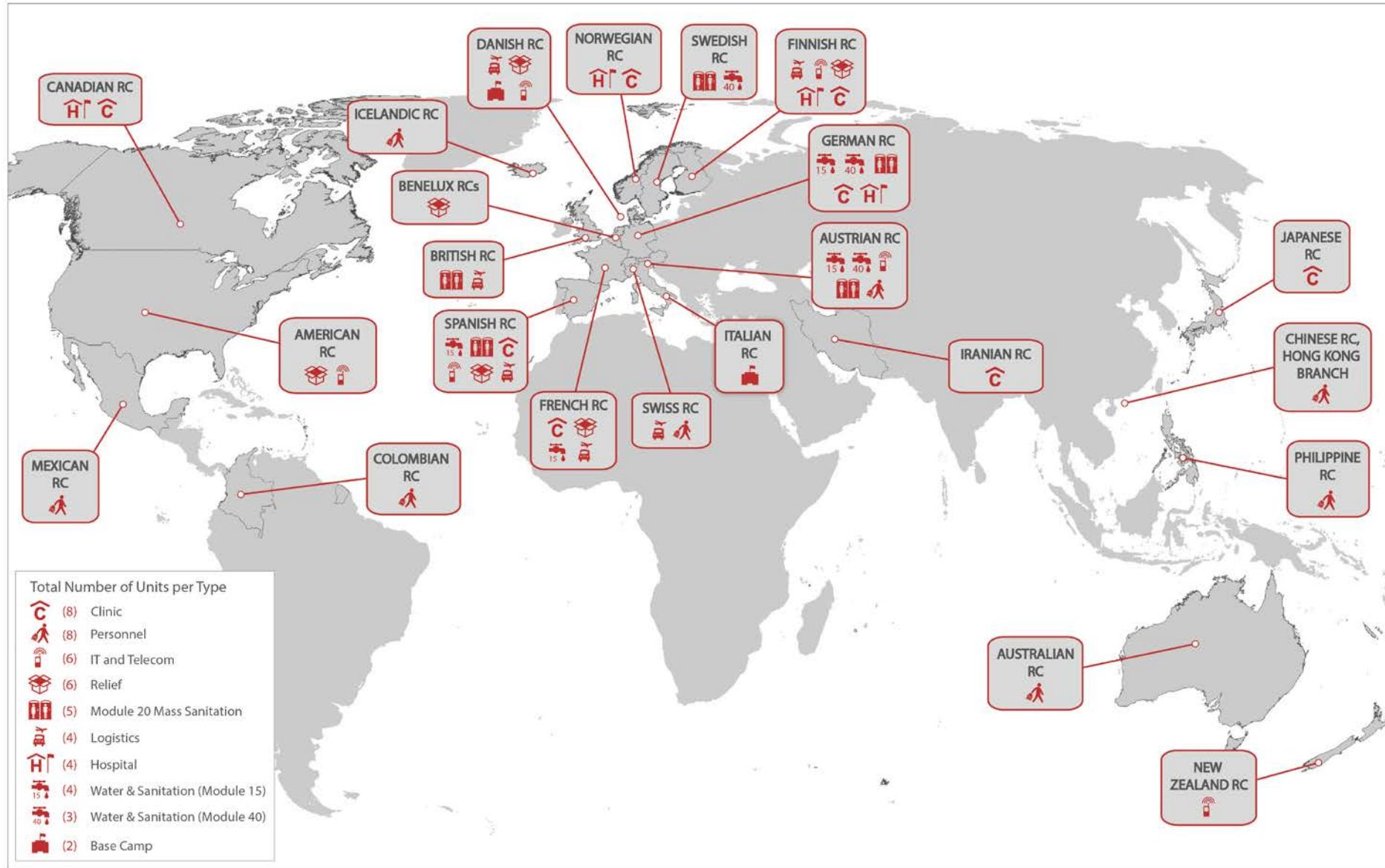
- Moving from the dark basement to the spotlight
- Reaching the last mile
- Building Resilient Country Capacity
 - *Health workforce/ People that Deliver (PtD) initiative hosted by UNICEF*
 - *Leadership and management*
- New and emerging technologies
- “Maturity models” – consider more cooperative approach

Disaster L





Emergency Response Unit Capacity



The maps used do not imply the expression of any opinion on the part of the International Federation of Red Cross and Red Crescent Societies or National Societies concerning the legal status of a territory or of its authorities. Map data sources: ICRC, IFRC.



134,900 m³ of goods delivered

This would fill 54,000 Olympic-size swimming pools



85.5 million mosquito nets

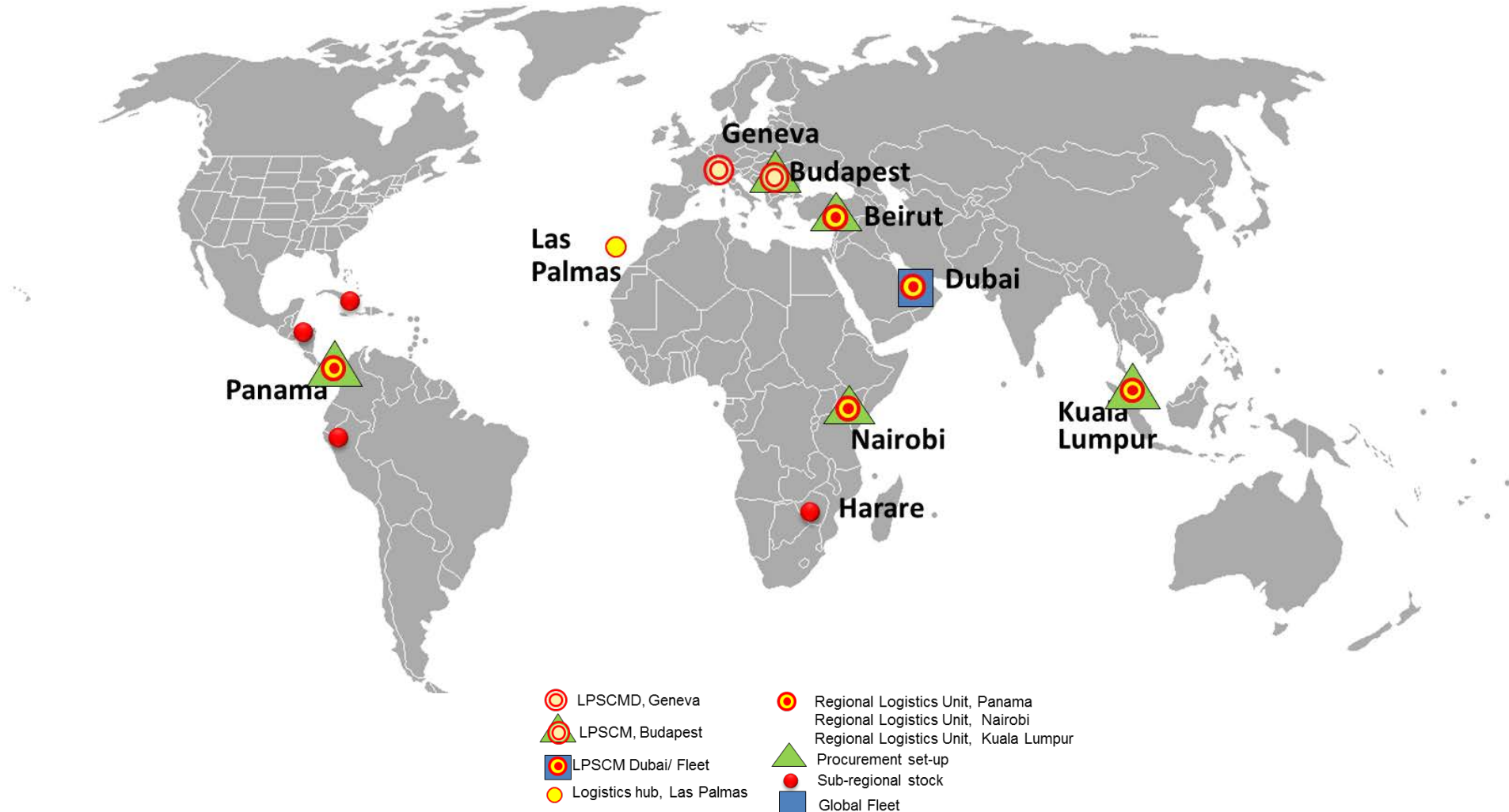


776,700 food parcels



525,600 hygiene kits


LPSCM Global Structure



Standard Products Catalogue

itemscatalogue.redcross.int/#carousel



 International Federation
of Red Cross and Red Crescent Societies



Standard products
catalogue

 My items list

CONTACT

ERU AND RDU

FOOD AND LIVELIHOOD

HEALTH

LOGISTICS

WATER AND HABITAT



The newly developed Geodesic Family Tent

<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

190

National Societies

165,822

Local branches

473,513

Staff

11.6 million

Volunteers

Our reach

106.5 million

people reached with long-term services
and development programmes

49.5 million

people reached with disaster response
and early recovery programmes

43.2 million

people reached by disaster risk
reduction programmes

188 million

people reached with health support



**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



2018
Conference

July 18-19 • Dubai, UAE

Premier Sponsor



Silver Sponsors



Supporters



Thank you
to our
2018 HHL
Conference
Sponsors!