

11th Global Health Supply Chain Summit

Dates: November 28-30, 2018

Location: Radisson Blu Hotel, Lusaka, Zambia

Conference theme

Accelerating Global Health Supply Chain Excellence: Better Supply Chain System Design, Innovative Financing for Health and New Technologies & Integrated Information Systems

The 11th Global Health Supply Chain Summit (GHSCS) will be held over three days, November 28-30, 2018 in Lusaka, Zambia. The summit will focus on accelerating global health supply chain excellence through better supply chain system design, innovative financing for health supply / demand / performance, and deployment of new technologies (e.g., drones, sensors, digital health, etc.) & integrated information systems. Participants will hear about case studies, strategies, and frameworks from practitioners and academics in the above themes of this year's summit. As in the previous conferences, the summit will assemble an impressive group of practitioners and experts from the global health supply chain field including academics, country planners, NGOs, logistics practitioners, pharmaceutical industry, and donor representatives.

Attached is a detailed agenda of the summit

Guide to detailed Agenda		
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	Prize Competition presentations in Track 5 & 9	
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	Day	1 (November 28) [All plenary pre-lund	ch sessions will meet in DOME]	
7:45 – 8:15am	Registration			
8:15 – 8:20am	Welcome to GHSCS 2018			
8:20 - 8:40am		Welcoming S	Speech: MoH Zambia	
8:40 – 9:10am	Plenary Sp	eaker 1 (Dr. Kennedy Malama, Perma	anent Secretary, Ministry of Health, Rep	ublic of Zambia)
9:10 – 9:40 am	Plenary Speake	r 2 (Felix Olale, Leapfrog Investments	s, "Transforming access to healthcare ac	ross Asia and Africa")
9:45-10:15am		Co	offee Break	
10:15-10:45am	Plenary Speaker 3 (G	Gavin Steel, Chief Director; Human Re	sources for Health at National Departme	ent of Health South Africa)
10:45-11:55am		Panel Session 1 (Supply Chain M	lanagement & Anti-Microbial Resistance	2)
12:00-1:30pm			Lunch	
1:30-2:45pm	Track 1	Track 2	Track 3	Track 4 Track 2
(75 min track)	(Location: DOME)	(Location: Room 1)	(Location: Mini DOME)	(Location: Room 2-3)
2:45-3:05pm		Co	offee Break	
3:10-4:25pm	Track 5 (GHSCS Prize Presentation)	Track 6	Track 7	Track 8
(75 min track)	(Location: DOME)	(Location: Room 1)	(Location: Mini DOME)	(Location: Room 2-3)
4:30-5:45 pm	Track 9 (GHSCS Prize Presentation)	Track 10	Track 11	Track 12
(75 min track)	(Location: DOME)	(Location: Room 1)	(Location: Mini DOME)	(Location: Room 2-3)
6:30-8:30pm			Cocktail	
		(November 29); [All plenary post-lui	nch sessions will meet in DOME]	
8:15-9:30am	Track 13	Track 14	Track 15	Track 16
(75 min track)	(Location: DOME)	(Location: Room 1)	(Location: Mini DOME)	(Location: Room 2-3)
9:35-10:35am	Panel Session 2.1 (Scaling & Sustaining Innovation for Impact) (Location: DOME)	Panel Session 2.2 (Sustainability through ownership transitioning to the government) (Location: Room 1)	Panel Session 2.3 (Meeting Supply Chain Talent Needs) (Location: Mini DOME)	
10:35-11:00am	Coffee Break			
11:00-12:15pm	Track 17	Track 18	Track 19	Track 20
(75 min track)	(Location: DOME)	(Location: Room 1)	(Location: Mini DOME)	(Location: Room 2-3)
12:15 – 1:30pm	Lunch			
1:30 – 2:45pm	Panel Session 3 (Information System Design and Implementation: Successes & Challenges)			
2:45 – 3:15pm	Coffee Break			
3:15 – 4:30pm	Panel Session 4 (The role and importance of Pharmaceutical companies is designing and managing in-country supply chains)			
4:30 – 5:00 pm	GHSCS Prize Announcements			
5:00 – 5:30 pm	Closing Remarks			

	Day 3 (November 30)			
8:30am-10:00am	Tutorial 1 (Continous Improvement / Kaizen)	Tutorial 2 (SC Modeling using Hermes)		
	[Location: Mini DOME]	[Location: DOME]		
10:30am – 12:00pm	Tutorial 1 (Repeat)	Tutorial 2 (Repeat)		
12:00-1:30pm	Lunc	Lunch		

	DAY 1 (November 28, 2018) [French translation provided in DOME and Room 1]			
1:30 pm - 2:45 pm	Track 1 Supply chain financing and economics [Location: DOME]	Track 2 Improving supply chain information systems [Location: Room 1]		
•	[T1.1] Health financing innovations, best practices in Zambia and the	[T2.1] SIGLUS: a collaborative success story (16)		
[Each	region (33) Jan Willem van den Broek ^{1,*}	António Langa ^{1,*} , Brana Santos ² , Custódio Mondlane ³ , and Dércio Duvane ⁴		
talk should be of 20	¹UNDP Zambia	¹ GHSC-PSM, ² Mozambique Central Medical Store, ³ Clinton Health Access Initiative, ⁴ VillageReach		
minutes duration; last 15	[T1.2] Assessing the total health commodities financial needs for health facilities and supply chain implications in Tanzania (50)	[T2.2] Utilizing interoperability layers to facilitate last mile stock visibility in Tanzania (48)		
minutes	Michael John ^{1,*} and Christine Chacko ¹	Melchiory Baltazar ^{1,*} , Sultana Seif ² , and Alfred Mchau ³		
is for Q&A]	¹ Global Health Supply Chain Technical Assistance – Tanzania	¹ President's Office – Regional Administration and Local Government, ² Ministry of Health, Community Development, Gender, Elderly and Children, ³ Global Health Supply Chain Technical Assistance – Tanzania		
	[T1.3] Improving health supply chain design efficiency through rapid and flexible cost modeling (82)	[T2.3] Designing and developing logistics management information systems for a smarter cold chain in Kenya (25)		
	Michael Krautmann ^{1,*} and Dorothy Thomas ²	Catherine Silali ^{1,*}		
	¹ William Davidson Institute at the University of Michigan, ² VillageReach	¹ National Vaccine and Immunization Program, Kenya Ministry of Health		
	Track 3 Improving supply chain design (1)	Track 4 Leveraging data to improve systems and processes		
	[Location: Mini DOME]	[Location: Room 2-3]		
	[T3.1] Using supply chain design software to design patient-centered TB diagnostic networks to improve access to services (23)	[T4.1] Using supply chain data for decision-making improves availability and minimizes wastage of life-saving health commodities		
	Sidharth Rupani ^{1,*} , Ryan Purcell ¹ , Heidi Albert ² , Kekeletso Kao ² , and Zachary Katz ²	(64) Victor Sumbi ^{1,*} , Joseph Warero ¹ , Mildred Shieshia ¹ , and Alice Micheni ¹		
	¹ Llamasoft, Inc., ² Foundation for Innovative Diagnostics	¹GHSC-PSM		
	[T3.2] Redesigning the Indonesian family planning supply chain by strengthening organizational capacity, collaboration, and data use	[T4.2] Leading Commodity Security Efforts in Pakistan through Innovations in Technology and MIS Interfaces (48)		
	(56) Nurfadliah Abdillah ^{1,*} , Omar Balsara ¹ , Barbara Lamphere ² , Sarah Andersson ¹ , and Bethany Saad	Dr. Muhammad Tariq¹*, Dr. Khurram Shahzad², Ms. Thuy Huong³, Nikhil Padival⁴, Ms. Mehr Bajwa⁵		

:10 pm	Track 5 Prize-competition presentation	Track 6 Promoting and protecting quality
	¹ GHSC-PSM Nigeria	¹ USAID Global Health Supply Chain-Procurement Supply Management Project in Ethiopia, ² Pharmaceutical Fund and Supply Agency
	Ladi A. Stephen 1,* , Mary O. Ameh 1 , and Beth Yeager 1	Adraro ²
	Nigeria experience (78)	Fikadu Abebe ^{1,*} , D. Tadesse ¹ , T. Seifu ¹ , G. Belete ¹ , B. Tadesse ¹ , and T.
	[T3.3] Better supply chain system design through a human centered design approach to improve MNCH commodity availability: the	[T4.3] Analysis of Ethiopia's low cost, high impact quick win intervention to improve stock availability (66)
		Specialist
	Training Institute, Inc., USA	Director, Portfolio 4; ⁴PMU Director (Chemonics); ⁵ Senior M&E
	¹ JSI Research & Training Institute, Inc., Indonesia, ² JSI Research &	¹ Country Director, GHSC-PSM Pakistan; ² M&E Director; ³ Managing
1111	н Global неакт зирріу Спат зиттк, Lusaka (Zambia)	1007 28-30, 2018

		Project in Ethiopia, ² Pharmaceutical Fund and Supply Agency
10 pm 4:25	Track 5 Prize-competition presentation [Location: DOME]	Track 6 Promoting and protecting quality [Location: Room 1]
pm [Each	[Each Prize competition presentation is 25 minutes + 10 minutes for Q&A]	[T6.1] Improved temperature and humidity monitoring for ambient health supply chains (65)
k	[T5.1] Remote Temperature Monitoring in Tanzania	Scott Dubin1 ^{1,*} and Kevin Gandhi ¹
ould be 20	Dr. Dafrossa Lyimo, Program Manager for EPI/IVD; Bulula Ngwegwe, Assistant National Logistician	¹ Global Health Supply Chain Program - Procurement and Supply Management project
nutes ation;	[T5.2] Implementation of Logistimo's Supply Chain Management System in Zambia with a specific focus on the Copperbelt Province	[T6.2] Using data to keep vaccines cold in Kenya (52)
15		Collins Tabu ^{1,*} , Ernest Some ¹ , Joyce Charo ¹ , Catherine Silali ¹ , Caroline
utes or	Kavya Shetty, Devdutt Mishra and Pratik Shetty, Logistimo India Pvt. Ltd. Bangalore, India	Kania², Amos Chweya³, Mercy Lutukai³, Zoya Mohamed³, and Yasmin Chandani³
A]		¹ Kenya Ministry of Health, ² Nexleaf, ³ John Snow, Inc.
		[T6.3] Le CNAPS et la problématique des faux médicaments au Bénin les solutions TICs pour la sécurisation des chaines d'approvisionnements (37)
		Fernand Gbaguidi ¹ , Pierre-Corneille Namahoro ² , Ricardo Missihoun ³ , Ulrich Dossou ^{4,*} , Herman Bonou ^{4,*} , and Ernest Codjia ⁴
		¹ Direction de la Pharmacie, du Médicament et des Explorations Diagnostiques, ² Chemonics GHSC-TA Bénin, ³ Fédération Africaine des Associations de Logisticiens, ⁴ Association des Logisticiens Béninois

	Track 7 Integration and interoperability	Track 8 Improving supply chain design (2)
	[Location: Mini DOME]	[Location: Room 2-3]
	[T7.1] Interoperability: Health and Supply Chain information systems to achieve maximum impact (17)	[T8.1] Immunization supply chain system design concept introduction as entry point for advocating for integration (27)
	Josh Zamor ^{1,*} , Alfred Mchau ^{2,3} , Derek Ritz ⁴ , and Craig Appl ⁵	Olamide Folorunso ¹ , Ryan McWhorter ^{1,*} , Wendy Prosser ^{2,*}
	¹ OpenLMIS, ² GHSC-Tanzania, ³ VillageReach, ⁴ ecGroup Inc., ⁵ Ona	¹ UNICEF Supply Division, ² John Snow, Inc.
	[T7.2] Addressing eHealth silos: systematic integrations of OpenLMIS/eLMIS in Zambia (59)	[T8.2] Linking global and in-country supply chain visibility through new and integrated technologies (28)
	Chris Opit ^{1,*} , Maureen Simuyandi ¹ , Wendy Bomett ¹ , Wendy	Ishmael Muchemenyi ^{1,*}
	Nicodemus ¹ , Jeremy Sikazwe ¹ , Mekbib Awoke, and Moses Kausa	¹ PFSCM
	¹ JSI AIDSFree Zambia	
	[T7.3] From three to one: The benefits of donor health supply chain integration – the USAID Nigeria Example (79)	[T8.3] The use of delivery tracking system to ensure efficiency and accountability in the implementation of seasonal malaria
	Fatiya Askederin ^{1,*} , Matthew Attah ¹ , Oluwole Olalandu ¹ , Linus Odoemene ² , Oloyede Akanbi ³ , Babatunji Odelola ⁴ , Adenike Adelanwa ⁴ ,	chemoprevention (SMC) in the PMI supported regions of Cameroon (73)
	Emmanuel Ogwuche ⁴ , Emeka Ogbolu ¹ , John Haruna ¹ , Innocent Ameh ¹ , and Anthony Anammah ¹	Philip M. Tache ^{1,*} , Glenn M. Gemuh ¹ , Aloysius Mokom ¹ , Bombah Ebibiet Armel ² , Serge G. Mota ² ; Tewuh Fomunyam, Wenceslas W. A. Tobo ¹ ,
	¹GHSC-PSM, ²NSCIP, ³NASCP, ⁴USAID	Julien Aymard Ovaga ¹ , Jean Pierre Kidwang ³ , Elive N. Esuka ¹ , Dorothy Achu ² , and Patrick Gaparayi ¹
		¹ USAID Global Health Supply Chain Program – Procurement and Supply Management project, Cameroon, ² National Malaria Control Programme, Ministry of Public Health Cameroon, ³ Far North Regional Technical Group Malaria, ⁴ USAID
4:30 pm	Track 9 Prize- competition presentations	Track 10 Achieving equity and sustainability
– 5:45 pm	[Location: DOME]	[Location: Room 1]
[Each talk should be of 20 minutes duration; last 15	[Each Prize competition presentation is 25 minutes + 10 minutes for Q&A]	[T10.1] Open supply chain information system essential for government ownership & sustainability (60)
	[T9.1] Maisha Meds: Medinice Ordering System to Support Chemists	Jeremy Sikazwe ^{1,2,*} , Wendy Nicodemus ^{1,2} , and Gamariel Simpungwe ^{1,2}
	in Kenya and East Africa	¹ AIDSFree Project Zambia, ² John Snow, Inc.
	Jessica Vernon, Sam Wilks, Dorcas Masatia; Maisha Meds	
	[T9.2] Implementing eLMIS to Improve Data Visibility and the Health Supply Chain: Lessons from Mozambique	[T10.2] Risk and Equity: Optimizing Pakistan's immunisation supply chain beyond cost and efficiency (43)

minutes
is for
Q&A]

Antonio Langa¹, Dianna Lourenco², Brana Santos³	Eshioramhe
	Cooper ³ , Me
¹ GHSC-PSM Mozambique, ² SIGLUS Manager, ³ CMAM Deputy Director	1D-1::-+

Saqlain Gilani¹, Arshad Chandio¹, Naeem Asghar¹, Olamide Folorunso², Eshioramhe Kelobo², Ryan McWhorter^{2,*}, Mariam Zameer^{3,*}, Erin Larsen-Cooper³, Melissa West³, and Nora Phillips³

 $^{1}\mbox{Pakistan}$ Federal EPI, $^{2}\mbox{UNICEF,}$ $^{3}\mbox{VillageReach}.$

[T10.3] Le remodelage des systèmes permet une chaîne d'approvisionnement plus équitable et performante; exemple de la province d'Equateur en RDC (42)

Emmanuelle Assy^{1,*}, Eomba Motomoke¹, and Clement Ngombo¹

¹VillageReach

Track 11 Enhancing management and operations	Track 12 Increasing access and reducing stockouts
[Location: Mini DOME]	[Location: Room 2-3]
[T11.1] Building a strong supply chain from the bottom up: making supply chain management a priority (58)	[T12.1] cStock Kenya: Designing strong supply chains for community health programs (54)
Zar Ni Soe ^{1,*} and Nyi Zin Latt ¹	Eric Wakaria ^{1,*} , Martin Ochola ¹ , Gertrude Muchibi ¹ , Sarah Andersson ¹ ,
¹ JSI Myanmar	Yasmin Chandani¹, Ken Oruenjo², and Eunice Fwaya²
	¹ John Snow, Inc., ² Ministry of Health Siaya County, Kenya, County
[T11.2] Pulse: a supervisory mobile application for performance management at the last-mile of health supply chains (8)	[T12.2] Improving medicine availability in the South African public health supply chain (20)
Arun Ramanujapuram ^{1,*} and Kaushal Shukla¹	David Crewe-Brown ^{1,*} and Jon Jensen ¹
¹ Logistimo India Pvt. Ltd.	¹ Global Health Supply Chain Technical Assistance South Africa
[T11.3] Taking the lead: how building supply chain leadership and management skills in the public health system can accelerate supply	[T12.3] Essential medicines kits in Zambia - combining with pull mechanisms and using data (63)
chain system design (40)	Anne Zulu¹
Eomba Motomoke ^{1,*} , Freddy Nsoki ¹ , Clement Ngombo ¹ , Nora Phillips ¹ , and Franck Biay ²	¹ MSL Zambia
¹ VillageReach, ² Ministry of Health of DRC	

	DAY 2 (November 29, 2018) [French translation provided in DOME and Room 1]			
8:15 – 9:30am	Track 13 Improving supply chain efficiency [Location: DOME]	Track 14 Novel supply chain technologies [Location: Room 1]		
[Each talk	[T13.1] Next generation immunization supply chain lowers health system costs in DRC (14)	[T14.1] Stakeholder and community engagement are critical to the deployment of unmanned aerial vehicles (UAVs) for public health		
should be of 20 minutes	Watson ² , and Jessica Crawford ¹ ¹ VillageReach, ² GHSC OPSMEND	transport: a case study from Malawi (21) Charles Matemba ^{1,*} , Luciana Maxim ¹ , Thokozani Chimenya ¹ , Tamara Kumwenda ¹ , Carla Bauvelt ¹ , and Olivier Defawe ²		
duration;		¹ VillageReach Malawi, ² Village Reach USA		
last 15 minutes is for	[T13.2] Optimizing the USAID global health supply chain network: a journey toward supply chain transformation (77)	[T14.2] Current status/global overview of the unmanned aircraft/UAS landscape for deliveries of health related commodities and for disease		
Q&A]	Hua Ni ^{1,*} and Xavier Tomsej ²	diagnosis and surveillance (30)		
	¹ GHSC-PSM, ² USAID Bureau for Global Health	Sara de la Rosa,*, Interagency Supply Chain Group		
	[T13.3] Application des principes de modélisation informatique et de system design dans l'analyse du positionnement optimal des équipements de chaines de froid: cas du Mozambique et de la RDC	[T14.3] Are drones a "leapfrogging" technology or an ill-advised investment? A case study of the potential for drone use in Sierra Leone (32)		
	(41)	James Houghton ^{1,*}		
	Emmanuelle Assy ^{1,*} , Aida Coelho ¹ , Ruth Betchel ¹ , Eomba Motomoke ¹ , Ana Costache ¹ , Alex Mwase ² , and Graça Matsinhe ³	¹ Crown Agents Sierra Leone		
	¹ VillageReach, ² UNICEF Mozambique, ³ Ministério da Saúde de Moçambique			
	Track 15 Enhancing end-to-end visibility	Track 16 Managing supply chains in challenging contexts		
	[Location: Mini DOME]	[Location: Room 2-3]		
	[T15.1] Pharmaceutical regulatory information systems: the forgotten link for end-to-end visibility (55)	[T16.1] Integration of family planning program for humanitarian crisis population in the national supply chain in Rwanda: case of Nyabiheke Refugee Camps (10)		
	Yordanos Sebsebie ^{1,*} , Al Shiferaw ¹ , Heran Gerba ² , Marasi Mwencha ¹ , and Paul Dowling ¹	Nyirimanzi Joseph Desire ^{1,*} and Kayumba Pierre Claver ²		
	¹ John Snow, Inc., ² FMHACA	¹ Gatsibo District Pharmacy, ² EAC Regional Center of Excellence for Vaccines, Immunization and Health Supply Chain Management, University of Rwanda		

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	[T15.2] Integrating systems to provide end to end visibility: supplying remote health facilities with critical commodities takes	[T16.2] Addressing the supply chain conundrum in responding to epidemics (70)	
	more than one system (19)	Netsy Woldesemait ^{1,*} and Tony Lee ²	
	Craig Appl ^{1,*} and Mary Jo Kochendorfer ²	¹ Chemonics International, ² McKinsey & Company	
	¹ Ona, ² OpenLMIS		
	[T15.3] Building end-to-end visibility into national LLIN distribution	[T16.3] Sample Taxi: ride-sharing for sample transportation (47)	
	in Ethiopia: piloting of interactive voice response as a scalable community level reporting mechanism (1)	Barbara Singer ^{1,*} , Susana Moreira ¹ , Elden Formoso ¹ , Manjusha Pingali ² , and Kavya Shetty ²	
	Sami Tewfik ^{1,*} and Joseph McCord ¹	¹ VillageReach, ² Logistimo	
	¹ John Snow, Inc.		
1:00 – 2:15 pm	Track 17 Supply chain human resources [Location: DOME]	Track 18 Valuable partnerships and collaborations in supply chain [Location: Room 1]	
Each alk hould be	[T17.1] Le Programme de Volontariat de Jeunes Logisticiens Professionnels (PVJLP): une initiative révolutionnaire pour la gouvernance et des données de qualité pour la prise de décision	[T18.1] TransIT and ePOD: a transportation management system for improved visibility, decision making, performance monitoring, and record keeping (71)	
f 20	dans la chaîne d'approvisionnement en santé publique au Bénin (38)	Scott Dubin1 ^{1,*}	
ninutes uration;	Fernand Gbaguidi ¹ , Pierre-Corneille Namahoro ² , Ricardo Missihoun ³ , Ulrich Dossou ^{4,*} , Herman Bonou ^{4,*} , and Ernest Codjia ⁴	¹ Global Health Supply Chain Program - Procurement and Supply Management project	
nst 15 ninutes s for	¹ Direction de la Pharmacie, du Médicament et des Explorations Diagnostiques, ² Chemonics GHSC-TA Bénin, ³ Fédération Africaine des Associations de Logisticiens, ⁴ Association des Logisticiens Béninois		
(& <i>A</i>]	[T17.2] Does mobile technology enabled freight aggregation influence inventory control behavior in rural pharmacies? (5)	[T18.2] 3PL tripartite contract management for improved performance case of Medical Stores Limited, Zambia (74)	
	Neeraj Thakare ^{1,*} and Amit Akkihal ¹ , Logistimo India Pvt. Ltd.	Luckson Sichamba ^{1,*} , Nathan Sichangwa ¹ , Billy Mweetwa ¹ , Lameck Kachali ¹ , Ilitongo Sondashi ² , and Chikuta Mbewe ²	
		¹ Global Health Supply Chain- Procurement and Supply Management, ² Medical Stores Limited	
	[T17.3] Enhancing supply chain performance in the public sector: the "gate keepers" model of supply chain monitoring (10)	[T18.3] CANCELLED	
	Douglas Onyancha ^{1,*} and Martin Mwenda ¹		

Track 19 Engaging communities and stakeholders [Location: Mini DOME]	Track 20 Improving data systems [Location: Room 2-3]	
[T19.1] Community engagement in improving access to medicine (90)	[T20.1] Data for decision-making: integrating open source and non- open source systems (46)	
Eduardo Dinda ^{1,*} , Ana Claudia Naldinho², and Mark McCaul²	Walter Kerr ^{1,*}	
¹ Kupulumusana Community Group, ² Médecins Sans Frontières	¹ Zenysis Technologies	
[T19.2] 'Advocating for change': multi-country experience of achieving stakeholders buy-in for iSC system design (11)	[T20.2] Visualize, analyze, improve: development and use of the EPI dashboard in Mozambique (18)	
Olamide Folorunso ¹ , Ryan McWhorter ^{1,*} , Wendy Prosser ^{2,*} , and Olivier Defawe ³	Timoteo Chaluco ^{1,*} , Dercio Duvane ¹ , Christine Lenihan ¹ , and Vidya Sampath ¹	
¹ UNICEF Supply Division, ² John Snow, Inc., ³ VillageReach	¹VillageReach	
[19.3] Update from the Global Interagency Supply Chain Group (94)	[T20.3] World Health Organization funded nationwide scale-up of the	
Hitesh Hurkchand ^{1,*}	Pakistan Vaccine Logistics Management Information System (vLMI (72)	
¹ Interagency Supply Chain Group	Muhammad Tariq ^{1,*} , Zafar Jamil ¹ , Thuy Huong ¹ , and Nikhil Padival ²	
	¹ GHSC-PSM, ² Chemonics	

Abstract # to Track Mapping

Abstract #	Track
1	15.3
2	17.3
5	17.2
8	11.2
10	16.1
11	19.2
14	13.1
16	2.1
17	7.1
18	20.2
19	15.2

Abstract #	Track
20	12.2
21	14.1
23	3.1
24	18.3
25	2.3
27	8.1
28	8.2
30	14.2
32	14.3
33	1.1
37	6.3

Abstract #	Track
38	17.1
40	11.3
41	13.3
42	10.3
43	10.2
46	20.1
47	16.3
48	2.2
50	1.2
52	6.2
54	12.1

Abstract #	Track
55	15.1
56	3.2
58	11.1
59	7.2
60	10.1
63	12.3
64	4.1
65	6.1
66	4.3
68	4.2
70	16.2

Abstract #	Track
71	18.1
72	20.3
73	8.3
74	18.2
77	13.2
78	3.3
79	7.3
82	1.3
90	19.1
94	19.3
·	

November 30, 8:30-10am & 10:30-12 noon

[Tutorials 1 and 2, each 90 minutes long, run in parallel and repeated twice to allow for participants to attend both.]

Tutorial 1: Continuous Improvement / Kaizen [Location mini DOME]

Continual Improvement is very much the need today for most organizations. With challenges being continual in nature, improvements have to be continual too!

Kaizen is a culture that drives continual improvement. But here is the catch, Kaizen is improvements made WITHOUT investing more resources! It is about improving with existing resources! Now that calls for assessment of waste and waste elimination! Kaizen is about engaging people to identify waste and taking action. It is powerful, exciting and has far reaching impact.

This session will share some key insights into Kaizen... Exploring the How? Where? Who? Why? About the 'continual' element in the Improvement journey

Presenter: Gopinath Prabhu, Senior Consultant & Leader Training at Kaizen Institute Consulting Group, Ltd., India. Email: gprabhu@kaizen.com

Tutorial 2: Strengthening Vaccine Supply Chains with HERMES Modeling Software [Location DOME]

Many of the world's vaccine supply chains are broken and aren't getting life-saving and life-improving vaccines to adults and children who need them, especially in low- and middle-income countries. Vaccine supply chains are complex systems. Stakeholders and decision-makers need to pay close attention to these systems in order to understand and address the bottlenecks, stock-outs, and vaccine wastage that routinely occur – primarily in areas with limited resources. HERMES 1.0 is a systems modeling software application that allows users to analyze the complexities of a vaccine supply chain. HERMES can provide insight as to how the supply chain is functioning and determine the potential impact of making changes to the system.

This presentation will demonstrate the importance of taking a systems approach to assess vaccine supply chain design and performance as well as new technologies. Using HERMES 1.0, we will apply these concepts to understanding the steps needed to build a vaccine supply chain simulation model. Specific topics covered during the talk include understanding the complexities of vaccine supply chains and how each component interacts with each other; identifying common vaccine supply chain system issues; assessing the critical measures of a vaccine supply chain's "health"; and recognizing the benefits of modeling for assessing and strengthening the vaccine supply chain system. This session will provide a basic understanding of HERMES 1.0 and introduce them to supplemental resources (comprehensive tutorials and technical support) to facilitate in-country training and capacity building for vaccine supply chain systems modeling.

Presenters	Elizabeth Mitgang, MSc	Patrick Wedlock, MSPH
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	HERMES Logistics Team, Johns Hopkins University	
Lead Investigator	Bruce Y. Lee, MD MBA, Associate Professor, Johns Hopkins University	
	brucelee@jhu.edu	

Nov 28, 2018; 10:45-11:55am

Panel 1: Supply Chain Management & Anti-Microbial Resistance

Location: DOME

Anti-Microbial Resistance (AMR) is an increasingly serious threat to global public health that requires action across all government sectors and society. Without effective antibiotics, the success of major surgery and cancer chemotherapy would be compromised. In 2016 for example, 490 000 people developed multi-drug resistant TB globally, and drug resistance is beginning to complicate the fight against HIV and malaria, as well. The panel discussion brings to the summit discussion around the pharmaceutical value chain and AMR. Specifically, we will be answering questions on new approaches-systems and tools- to address AMR. The panelists for this panel discussion come from the pharmaceutical industry, leading international development partners, national governments, implementing partners and faith based organizations. At the end of the session the GHSC will come up with recommendations that would help both the donor community and recipient countries to address AMR issues.

Moderator: Dr. Lloyd Matowe, Program Director, Pharmaceutical Systems Africa

Panelists:

- 1. Mohan Joshi, MSH
- 2. Mirfin Mpundu, EPN
- 3. Linus Odoemene, FMOH, Nigeria
- 4. Gavin Steel, DOH, South Africa

Nov 29, 2018; 9:35-10:35am

Note Panels 2.1,2.2, and 2.3 meet in parallel.

Panel 2.1: Scaling & Sustaining Innovation for Impact

Location: DOME

Low middle income countries are in a unique position to leverage innovation to address global health challenges. In the past few years we have seen the advent of mechanisms through which innovation has been sourced and the availability of grant funding enabling pilots in various areas of innovation including technology (e.g. drones) as well as business models. However few of these organizations are on the path to scale, and fewer yet have reached scale and sustainability of these innovations are unclear. Many issues contribute to this including a lack of sustainable business models, of follow on funding and startups lacking business experience to scale the organization.

In this session we will explore how to scale and sustain technology and business model innovation, what are the challenges and what are some of the potential opportunities to address these challenges. We will ask questions on whether it is realistic to expect scalability and sustainability and look at the role of government, donors and commercial investors.

Moderator: Professor Ravi Anupindi, University of Michigan, Ann Arbor, MI (USA)

Panelists:

- Tracey Brett, Impact for Health
- 2. Walter Kerr, Zenysis, Chief of Staff
- 3. Justus Kilonzi, CEO & Founder, Savannah Informatics
- 4. Michael Jelinske, Investment Officer, Leapfrog Investments
- 5. Edward Charles Anderso, World Bank, Tanzania

Panel 2.2: Sustainability through ownership transitioning to the government

Location: Room 1

In this session, we will present a conceptual framework detailing key elements for evaluating the process of transitioning supply chain operations from a partner-led, donor-funded model to a government-led and funded model. The framework was derived from a combination of literature review, expert consultation and experiential learning in Mozambique. Using the framework as a lens, we will reflect on participants thoughts and/or experiences using participatory dialogue (café conversation style).

- Learning objective: Following this session, attendees will have an understanding of the key
 elements necessary for transitioning supply chain operations to government and the contextual
 factors which influence success in some contexts.
- Target audience: Government representatives, policy makers, donors, NGOs, academics, researchers and other stakeholders interested in transitioning partner-led operations to government.

Moderator: Dr. Bvudzai Magadzire, Village Reach (bvudzai.magadzire@villagereach.org)

Team members & collaborators:

- VillageReach Nexgen iSC team Mozambique led by Aida Coelho (MPH) aida.coelho@villagereach.org
- VillageReach Nexgen iSC Global team led by Jessica Crawford (MA) Jessica.crawford@villagereach.org
- 3. Ramos Mboane, Medical Chief (NIASSA), Mozambique Ministry of Health rmmboane@gmail.com

Panel 2.3: Meeting Supply Chain Talent Needs

Location: mini DOME

Supply chain talent is in short supply worldwide. This problem is even more acute in low and middle income countries in general and more specifically for the health sector. This has resulted from inadequate importance and attention to supply chain positions within health organizations, unclear long-term career trajectories for supply chain professionals in these organizations, and very few educational programs within the regions of focus. The shortage is further exacerbated by the change in the skillsets required for supply chain professionals working in the health sector. Competencies in logistics are no longer sufficient to run complex multi-country supply chains; ability to work with advanced data and analytics is becoming extremely crucial. This panel will review the current (regional & global) landscape of training & talent development for (health) supply chain excellence to meeting the needs of LMICs, discuss challenges and opportunities.

Moderator: Professor Jérémie Gallien, London Business School, London (UK)

Panelists:

- 1. Liz Igharo, Executive Director, IAPHL
- 2. Dominique Zwinkels, Executive Manager, PtD
- 3. Bonface Fundafunda, ARC Regional Lead
- 4. Dr. Daniel Zapata, Global Logistics Education, Kuehne Foundation
- 5. Prof. Yehuda Bassok, Marshall School of Business, USC

Nov 29, 2018; 1:30-2:45pm

Panel 3: Information System Design and Implementation: Successes & Challenges

Location: DOME

Moderator: Prof. Yehuda Bassok, University of Southern California (USA)

Panelists:

- 1. Dr. Florence Duperval-Guillaume, GHSC-PSM Haiti Country Director
- 2. Arun Ramanujapuram, CTO, Logistimo (TBC)
- 3. Denise Lapoutre Country Representative Nigeria
- 4. Linus Pharm Linus Odoemene Supply Chain Strategist/National Coordinator, i+Solutions

Nov 29, 2018; 3:15-4:30pm

Panel 4: The role and importance of Pharmaceutical companies is designing and managing in-country supply chains

Location: DOME

Moderator: Prof. Yehuda Bassok, University of Southern California (USA)

Panelists:

- 1. Catherine Decouttere, Access-to-Medicines Research Center, KU Leuven, Belgium
- 2. Nico Vandaele, Access-to-Medicines Research Center, KU Leuven, Belgium
- 3. Jo Tierens EHS Director Sustainability and Global Toxicology, External Manufacturing at Janssen Pharmaceuticals
- 4. Richard Lloyd, Chief Technology Office OPTEL Group
- 5. Julie Rochon, Director of OPTEL Impact & Industry leader for Africa

Plenary Speaker Bios



Dr. Kennedy Malama graduated from the University Of Zambia School Of Medicine as a Medical Doctor in 1994 and has worked for the past 24 years in the Zambian Public Health Care System holding various positions at district, Provincial and now national level as Permanent Secretary in the Ministry of Health.

He holds a Master's degree in Public Health from the University College Dublin in Ireland obtained in 1999. In 2004 he obtained an advanced certificate in Health Systems Strengthening using A Practical approach from Uppsala University in Sweden. In addition, he has attended many courses in Health Care Management including Health Care Financing, Health Systems Strengthening and Development.

From 1995 to part of 2016, he served as District Director of Health and Provincial Health Director in several districts in Zambia during which time he combined administrative and Clinical roles in both the rural and urban settings of Zambia.

As Provincial Health Director, he served from 2007 to 2014 in the Eastern Province of Zambia and during part of this period, provided leadership in the coordination, planning implementation, and monitoring for action of the Saving Mothers Giving Life initiative as two of the implementing districts under the SMGL initiative in Zambia where in Eastern Province namely Lundazi and Nyimba. At the Ministry of Health Headquarters, he served as Director Health Promotion Environment & Social Determinants and as Director Public Health from 2016 to August 2017.

In August 2017, His Excellency the Republican President of Zambia appointed him as Permanent Secretary of the Ministry of Health (Chief Executive Officer) the position he currently holds. He has received various awards of excellence in his work at various levels including the recognition as a 2014 PEPPFAR Champion in Zambia denoting his great work in the HIV and AIDS platform



Dr Felix Olale is a Partner at LeapFrog and the firm's Global Co-Leader for Health Investments. He is also an entrepreneur and physician-scientist, renowned for his work building businesses and investing in healthcare in emerging markets.

Prior to LeapFrog, Dr Olale was Chairman of the Excelsior Group, a US-Africa based advisor and investor in health and technology companies. Dr Olale was

also Senior Advisor to the International Finance Corporation (IFC) for their Health in Africa Initiative. In addition, Dr Olale was co-founder of the Institute for Healthcare Management at Strathmore Business School, and a founding member of Safaricom's Health Advisory Board.

Dr Olale began his career as a physician-scientist at Skirball Institute of Bio-molecular Medicine in New York, where he cloned two genes involved in organ asymmetry and regeneration. He then worked in venture capital with New York University's Office of Industrial Liaison and Technology

Transfer. Later, he was an Associate Partner at McKinsey & Company in New York, where he was a leader in the Pharmaceutical, Medical Products and Global Health practices.

Dr Olale holds a Bachelor of Arts (Hons.) in Molecular Biology from the University of Pennsylvania, where he was a University Scholar. He received his Medical Degree and Doctorate from New York University's School of Medicine. Dr Olale serves as a Board Trustee and Chairman of the Governance Committee for PATH, the leading global health innovator and is a Member of EMPEA's Africa Council.



Gavin Steel is Chief Director; Human Resources for Health at National Department of Health South Africa; previously he was Chief Director; Sector Wide Procurement for NDOH, S. Africa.

Program Chair: Professor Yehuda Bassok, University of Southern California, Los Angeles

Program Committee:

- Professor Ravi Anupindi, University of Michigan, Ann Arbor, MI (USA)
- Professor Sriram Dasu, University of Southern California, Los Angeles, CA (USA)
- Professor Jérémie Gallien, London Business School, London (UK)
- Liuichi Hara, Takeda Pharmaceuticals (Denmark)
- Professor Ananth Iyer, Purdue University, West Lafayette, IN (USA)
- Lloyd Matowe, Pharmaceutical Systems Africa (Liberia, Nigeria, & Zambia)
- Thidiane Ndoye, Task Order Director, Population and Reproductive Health, GHSC-PSM/Chemonics
- Dr. Noel Watson, OpsMend (USA)
- Dr. Prashant Yadav, Strategy Leader-Supply Chain Integrated Delivery, Bill & Melinda Gates Foundation (USA)

Zambia Local Committee:

- Lloyd Matowe, Faculty of Pharmacy, Lusaka Apex Medical University
- Marlon Banda, Churches Health Association of Zambia (Local Committee Chair)
- Derick Munkombe, College of Medicine, University of Zambia
- Ruth Mudondo, Pharmaceutical Manufacturers Association of Zambia
- Jerome Kanyika, Pharmaceutical Association of Zambia
- Daniel Muma Mwaba, Pharmaceutical Society of Zambia
- Moses Muyaba, Faculty of Pharmacy, Lusaka Apex Medical University

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