



**13<sup>th</sup> Global Health Supply Virtual Chain Summit  
November 17-19, 2020**

Conference theme

**Global Health Supply Chain Resiliency:  
Preparedness, Response, and Recovery**

*Sub-topics: Supply Chain Design, Technology, Workforce, Partnerships, and Governance*

COVID-19 has brought to light the fragility of global supply chains and challenges health systems have faced to address the new health needs arising from COVID-19 while continuing to address traditional health care needs. Clearly, resiliency of supply chains and health systems is essential. Exploring the elements of resilient health supply chains will be the focus of GHSCS 2020. Resiliency can be achieved through supply chain design, appropriate use of technology, leveraging partnerships and establishing proper governance systems but all these depend on a deep understanding of the challenges faced by the workforce who will be called upon to execute on the resilience strategy and fill in the inevitable gaps. GHSCS 2020 will explore these issues through a combination of keynotes, panel discussions, and contributed talks.

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## Agenda at a Glance\*

Day 1: Tuesday, November 17, 2020				
9:00 am – 9:15 am	Welcome and Opening Remarks			
9:15 am – 10:00 am	<p><i>Keynote Speaker : <b>Dr. Vera Songwe</b></i>  <i>United Nations Under-Secretary and Executive Secretary of the Economic Commission for Africa (ECA)</i>  <b>Moderator: Professor Ravi Anupindi</b>            Ross School of Business, University of Michigan, Ann Arbor (USA)</p>			
10:00 am – 10:05 am	Transition			
10:05 am – 11:15 am	Plenary Panel 1: <b>South-South solutions for local problems – achieving resiliency through local partnerships and technology</b>			
11:15 am – 11:45 am	Break and Networking			
11:45 am – 1:00 pm (75 min)	<b>Track 1:</b> Prize Talks #1	<b>Track 2:</b> COVID-19 planning and forecasting	<b>Track 3:</b> COVID-19 pandemic response	<b>Track 4:</b> Integration and redesign
1:00 pm – 1:30 pm	Networking			

Day 2: Wednesday, November 18, 2020				
9:00 am – 9:15 am	Recap of Day 1			
9:15 am – 10:00 am	<p><i>Keynote Speaker : <b>Dr. Muhammad Ali Pate</b></i>  <i>Global Director for Health, Nutrition and Population at the World Bank Group and Director of the Global Financing Facility for Women, Children and Adolescents (GFF)</i>  <b>Moderator: Dr. Prashant Yadav</b>            Senior Fellow, Center for Global Development (USA) and Affiliate Professor, INSEAD (France)</p>			
10:00 am – 10:05 am	Transition			
10:05 am – 11:15 am	Plenary Panel 2: <b>COVID-19 vaccines for low- and middle-income countries</b>			
11:15 am – 11:45 am	Break and Networking			
11:45 am – 1:00 pm (75 min)	<b>Track 5:</b> Prize Talks #2	<b>Track 6:</b> LMIS and digitization	<b>Track 7:</b> Policy and reform	<b>Track 8:</b> Integration and redesign
1:00 pm – 1:30 pm	Networking			

Day 3: Thursday, November 19, 2020				
9:00 am – 10:15 am (75 min)	<b>Track 9:</b> Human resources	<b>Track 10:</b> COVID-19 planning and innovation	<b>Track 11:</b> Capacity building and HR	<b>Track 12:</b> Building Resiliency
10:15 am – 10:25 am	Transition			
10:25 am – 11:35 am	Plenary Panel 3: <b>Impact of COVID-19 on regular health supply chains</b>			
11:35 am – 11:45 am	Transition			
11:45 am – 12:30 pm	<p><i>Keynote Speaker : <b>Amer Daoudi</b></i>  <i>Senior Director of Operation Services, World Food Programme (WFP - Winner of 2020 Nobel Peace Prize)</i>  <b>Moderator: Prof. Yehuda Bassok</b>            Marshall School of Business, University of Southern California, Los Angeles (USA)</p>			
12:30 pm – 12:50 pm	Prize Announcement and Closing			
12:50 pm – 1:30 pm	Networking			

\*All times above are in US Eastern Time Zone

US East Coast	GMT/EAT UK, Ghana)	CET/WAT (Switzerland, Nigeria)	SAST (South Africa)	IST (India)
9am-1pm	2-6pm	3-7pm	4-8pm	7:30-11:30pm

## Plenary Panels

### **PANEL 1: South-South solutions for local problems – Achieving SC resiliency through local partnerships and technology**

*Day 1: Nov 17, 2020, 10:05 am – 11:15 am (US Eastern)*

US East Coast	GMT/EAT UK, Ghana)	CET/WAT (Switzerland, Nigeria)	SAST (South Africa)	IST (India)
10:05-11:15am	3:05-4:15pm	4:05-5:15pm	5:05-6:15pm	8:35-9:45pm

Throughout 2020, the world economy has been reeling from the COVID-19 pandemic and most governments have had no choice but to lock down social and economic activity – a decision that came at the cost to the global economy, including supply chains. Due to the effect of the COVID-19 pandemic, global output is estimated to contract by at least 3 per cent. This contraction is estimated to be much larger in the Global South. While developed countries are providing trillions of dollars in relief, support and bailouts, developing countries are more constrained on fiscal, monetary and external payments fronts, making it difficult for many of them to respond to the multiple shocks triggered by the crisis. In addition, least developed countries are the most exposed to COVID-19 because of their higher capacity constraints in providing even the basic health facilities. General government health expenditure in low- and middle-income countries amounts to only 3 per cent of GDP and in the group of least developed countries (LDCs) just 1 per cent, against 10 per cent in high-income countries. In light of these challenges, what are the best strategies to build resilient systems across LDCs? One possible solution that has been advocated for is fostering South-South cooperation among countries. South-South cooperation has been touted as an effective approach to build resilience, involving the exchange of technology, knowledge or skills among low-income or middle-income countries. South-South collaboration is attractive because countries are able to share best practices with countries at the same developmental level, ameliorating perceptions of interventions being imposed on them. In this panel we bring together experts from the donor community, implementing partners, the pharmaceutical industry and community stakeholders to discuss how countries in the South could best foster sustainable relationships to build resilient and efficient supply chains. The panelists were carefully selected based on their involvement with supply chain assistance/interventions that are predominantly targeted for the South

**Moderator:** Dr. Lloyd Matowe, CEO of Pharmaceutical Systems Africa, Technical Assistance Director at PICMA Africa Limited, and Chair of the People that Deliver Initiative

**Panel 1 Panelists:**

- Marasi Mwencha. Head of Supply Chain, the Global Fund
- Clinton Dsouza. General Manager, PICMA Africa Limited
- Marlon Banda. President, Pharmaceutical Society of Zambia
- Robert Kimbui. Senior Manager, GPH Supply chain, Africa operations, Johnson & Johnson Middle Middle East FZ-LLC
- Sharmila Raj, Deputy Division Chief at the USAID (Tentative)

## PANEL 2: COVID-19 vaccines for low- and middle-income countries

*Day 2: Nov 18, 2020, 10:05 am – 11:15 am (US Eastern)*

US East Coast	GMT/EAT UK, Ghana)	CET/WAT (Switzerland, Nigeria)	SAST (South Africa)	IST (India)
10:05-11:15am	3:05-4:15pm	4:05-5:15pm	5:05-6:15pm	8:35-9:45pm

The COVID-19 pandemic is estimated to result in a global US\$12T economic loss for 2020-2021. One of the health tools expected to aid the world to resume some normalcy and stem continued economic loss and loss of life are vaccines against the disease. Recent history provides examples however where against diseases with a global burden, some countries, particularly low income countries, were not able to take advantage of such health tools to the same extent as more developed countries. The infectious nature of COVID-19, and the events surrounding its global spread within the early months of 2020, underscore the need however for such recent history to not be repeated in the case of COVID-19 vaccines. This panel will look at the challenges and efforts underway and still needed for large-scale availability of COVID-19 vaccines for low and middle income countries from the perspectives of R&D, financing, policy and supply chain.

**Moderator:** Dr. Noel Watson – OpsMend (USA)

### Panelists:

- Dr. Skhumbuzo G. Ngozwana, Chief Executive Officer, Kiara Health (Pty) Ltd.
- Dr. Jean Lee, Senior Economist, The World Bank
- Dr. N. Julian Maggini, Chief Medical Officer, Vaxinz & Technology Transfer Manager at Universidad Austral, Argentina
- Dr. Nicaise Ndembu, Director, Laboratory Research, University of Maryland-Institute of Human Virology

### PANEL 3: Impact of COVID-19 on regular health supply chains

*Day 3: Nov 19, 2020, 10:25 am – 11:35 am (US Eastern)*

US East Coast	GMT/EAT UK, Ghana)	CET/WAT (Switzerland, Nigeria)	SAST (South Africa)	IST (India)
10:25-11:35am	3:25-4:35pm	4:25-5:35pm	5:25-6:35pm	8:55-10:05pm

The pandemic has had a devastating impact on countries across the world significantly affecting people’s ability to come to the workplace to do tasks that could not be done remotely, disrupting domestic and international transport links, restricted availability of supplies of health commodities, spikes in demand for COVID-19 related commodities in the health systems, etc.

This panel will look at the challenges, efforts underway, and lessons learned in assessing and responding to the impact of COVID-19 on the performance of regular health supply chains. The distinguished panelists will bring in perspectives of public and private sectors across Africa and India.

**Moderator:** Professor Ravi Anupindi, Ross School of Business, University of Michigan, Ann Arbor (USA)

**Panelists:**

- Deo Kimera, GHSC-PSM, Country Director, Ghana
- Ms. Celsa Muzayire Gaju, Chief Operation Officer, Rwanda Medical Supply Ltd
- Abraham Akore, CEO, Pyramid Pharma (Tanzania)
- Amit Backliwal, CEO, Pharma Rack (India)

## Contributed Sessions Schedule

Conference Day 1: November 17, 2020

11:45 am – 1:00 pm EST (US East Coast) | 4:45 pm – 6:00 pm GMT/EAT (UK, Ghana) | 5:45 pm – 7:00 pm CET/WAT (Switzerland, Nigeria) | 6:45 pm – 8:00 pm SAST (South Africa) | 10:15 pm – 11:30 pm IST (India)

Tracks 1-4

<p><b>Track 1</b> <b>Prize Talks #1</b></p>	<p><b>[1.1] Covid Action Fund for Africa</b> Madeleine Ballard<sup>1</sup>, Emily Bancroft<sup>2</sup>, Tapiwa Mukwashi<sup>2</sup>, Andrew MacCalla<sup>3</sup>, Gabrielle Fitzgerald<sup>4</sup>, Mila Nepomnyashchiy<sup>5</sup> <i><sup>1</sup>Community Health Impact Coalition, <sup>2</sup>VillageReach, <sup>3</sup>Direct Relief, <sup>4</sup>Pandemic Action Network, <sup>5</sup>Community Health Acceleration Partnership</i></p>	<p><b>[1.2] Optimizing supply chain management for efficiency using the commodity order management system</b> Abubakar Mohammed<sup>1</sup>, Anthony Abu<sup>1</sup>, Enitan Okediji<sup>1</sup>, Jonah Dienye<sup>1</sup>, Kelechi Enweruzo-Amaefule<sup>1</sup>, Kemi Ayanda<sup>1</sup>, Kola Falayajo<sup>1</sup> <i><sup>1</sup>USAID Global Health Supply Chain Program-Procurement and Supply Management (GHSC-PSM)</i></p>	
<p><b>Track 2</b> <b>COVID-19: Planning and Forecasting</b></p>	<p><b>[2.1] Building robust Storage capacity for vaccine's last mile delivery (11)</b> Anoop Khandelwal<sup>1,*</sup>, Laximikant Palo<sup>2</sup>, Soumyakant Dwivedy <i><sup>1</sup>Kspire Solutions LLP, <sup>2</sup>People to People Health Foundation, <sup>3</sup>Becton Dickinson</i></p>	<p><b>[2.2] Customizing WHO Quantification approach to the Tanzanian context (55)</b> Nabila Hemed<sup>1,*</sup>, Emily Magurno<sup>1</sup> <i><sup>1</sup>GHSC-TA-TZ</i></p>	<p><b>[2.3] Supply chain preparedness and response through approach redesign and partnership in Angola – GHSC-PSM COVID-19 pandemic experience (4)</b> Ladi Stephen<sup>1,*</sup>, Roberto Gomez<sup>1</sup>, Jane Souza<sup>1</sup>, Manuel Masamba<sup>1</sup> <i><sup>1</sup>GHSC-PSM Angola</i></p>

## Contributed Sessions Schedule

<p><b>Track 3 COVID-19: Pandemic Response</b></p>	<p><b>[3.1] Philippines: reconfiguration of the supply chain to balance equity and emergency response during the COVID-19 pandemic (6)</b></p> <p>Hasibul Haque<sup>1</sup>, Armando Enriquez<sup>1,*</sup>, Gashaw Shiferaw<sup>1</sup>, Ma. Carolina Taiño<sup>2</sup>, Ariel Valencia<sup>2</sup>, John Paul Casihan<sup>2</sup>, Andualem Oumer<sup>1</sup>, Gloria Twesigye<sup>1</sup>, Andre Zagorski<sup>1</sup>, John David Pulongbarit<sup>1</sup></p> <p><sup>1</sup>USAID Medicines, Technologies, and Pharmaceutical Services, <sup>2</sup>Department of Health Procurement and Supply Chain Management Team</p>	<p><b>[3.2] National Integrated Specimen Referral Network (NiSRN) in Nigeria: responding to the impact of COVID-19 challenges (35)</b></p> <p>Theophilus Faruna<sup>1,*</sup>, Kehinde Otto<sup>1</sup>, Nelson Ekeh<sup>1</sup>, Ameh Sunday Ameh<sup>1</sup>, Kayode Martins<sup>1</sup>, Chinenyenwa Agbo<sup>1</sup></p> <p><sup>1</sup>GHSC-PSM Nigeria</p>	<p><b>[3.3] Lessons learned from implementing an emergency supply chain strategy during a pandemic in Tanzania (21)</b></p> <p>Michael Kishiwa<sup>1,*</sup>, Emily Magurno<sup>1</sup></p> <p><sup>1</sup>GHSC-TA-TZ</p>
<p><b>Track 4 Integration and Redesign</b></p>	<p><b>[4.1] Supply chain integration – strengthening national ownership in Malawi (51)</b></p> <p>Caroline Healey<sup>1,*</sup></p> <p><sup>1</sup>Chemonics</p>	<p><b>[4.2] Technology, partnerships and governance that enable agility and coordination for resilient global health supply chains (40)</b></p> <p>Ishmael rMuchemenyi<sup>1,*</sup>, Charles Davenport<sup>1</sup></p> <p><sup>1</sup>Partnership for Supply Chain Management</p>	<p><b>[4.3] Redesigning immunization supply chains: results from three country analyses (13)</b></p> <p>Wendy Prosser<sup>1</sup>, Olamide Folorunso<sup>2</sup></p> <p><sup>1</sup>JSI, <sup>2</sup>UNICEF</p>

\*Presenting author



## Contributed Sessions Schedule

Conference Day 2: November 18, 2020

11:45 am – 1:00 pm EST (US East Coast) | 4:45 pm – 6:00 pm GMT/EAT (UK, Ghana) | 5:45 pm – 7:00 pm CET/WAT (Switzerland, Nigeria) | 6:45 pm – 8:00 pm SAST (South Africa) | 10:15 pm – 11:30 pm IST (India)

Tracks 5-8

<p><b>Track 5 Prize Talks #2</b></p>	<p><b>[5.1] Adaptation of a private-sector call center model for availability &amp; visibility</b></p> <p>John Stanton<sup>1</sup></p> <p><sup>1</sup><i>Global Health Supply Chain Program-Procurement and Supply Management (GHSC-PSM)</i></p>	<p><b>[5.2] Adapting routine supply chain supportive supervision to improve health care worker capacity and supply chain management performance in the era of COVID-19</b></p> <p>Willie Siduna<sup>1</sup>, Timothy Rosche<sup>1</sup>, Denis Okidi Ladwar<sup>1</sup>, Sifundo Zwane<sup>2</sup>, Duncan Kochelani<sup>1</sup></p> <p><sup>1</sup><i>Global Health Supply Chain Program-Procurement and Supply Management (GHSC-PSM)</i>, <sup>2</sup><i>Eswatini Ministry of Health</i></p>	
<p><b>Track 6 LMIS and Digitization</b></p>	<p><b>[6.1] Beyond Essential Systems - Tupaia reproductive health module (15)</b></p> <p>Erin Nunan<sup>1*</sup>, Kahlinda Mahoney<sup>1</sup></p> <p><sup>1</sup><i>Beyond Essential Systems</i></p>	<p><b>[6.2] cStock for supply chain responsiveness and resilience in ASAL counties in Kenya (44)</b></p> <p>Sadik Abdikarim<sup>1*</sup>,</p> <p><sup>1</sup><i>inSupply Health Limited</i></p>	<p><b>[6.3] Supply chain analytics in Ivory Coast (33)</b></p> <p>Luis Anjos<sup>1*</sup>, Dr. Marie Adou<sup>*2</sup>, Sara Valino<sup>1</sup>, Nils van Wassenhove<sup>1</sup>, Silvia Rossi Tafuri<sup>1</sup></p> <p><sup>1</sup><i>United Nations World Food Programme</i>, <sup>2</sup><i>Ministry of Health Ivory Coast</i></p>

## Contributed Sessions Schedule

<p><b>Track 7</b> <b>Policy and Reform</b></p>	<p><b>[7.1] Laying the foundation – importance of governance tools to underpin a medicine master data system (32)</b></p> <p>KhadijaJamaloodien<sup>1</sup>, Janine Jugathpal<sup>1</sup>, Shereen Govender<sup>1,*</sup>, Stirling Underwood<sup>2</sup>, Amanda Brewer<sup>2</sup></p> <p><sup>1</sup>South African National Department of Health, <sup>2</sup>USAID Global Health Supply Chain - TA</p>	<p><b>[7.2] Indonesia goes mobile to manage family planning commodities (25)</b></p> <p>Omar Balsara<sup>1,*</sup>, Barbara Lamphere<sup>1</sup>, Baakal Tesfaye<sup>1</sup></p> <p><sup>1</sup>JSI Research &amp; Training Institute, Inc.</p>	<p><b>[7.3] Every1Mobile Naijacare (20)</b></p> <p>Adam Brain<sup>1,*</sup>, Jocelyn Williams<sup>1</sup></p> <p><sup>1</sup>Every1Mobile</p>
<p><b>Track 8</b> <b>Integration and Redesign</b></p>	<p><b>[8.1] The process of strengthening Fleet Management in the Tanzanian Medical Store Department (36)</b></p> <p>Jean Francois Milhaud<sup>1</sup>, Silvia Tafuri<sup>1,*</sup>, Riaz Lohdi<sup>1,*</sup>, Paul Dettmer<sup>1</sup></p> <p><sup>1</sup>United Nations World Food Programme</p>	<p><b>[8.2] Strengthening the health supply chain with drone logistics (3)</b></p> <p>Eric Peck<sup>1,*</sup>, Lewis Hill<sup>1,*</sup>, Sabrina Ravail<sup>1</sup>, India Birrell<sup>1</sup></p> <p><sup>1</sup>Swoop Aero Pty Ltd</p>	<p><b>[8.3] Data analytics and application for logistics and supply chain management in Zambia’s public health supply chain (12)</b></p> <p>Darwin Chimenge<sup>1,*</sup>, Christoper Mpundu<sup>2</sup>, Ilitongo Sondashi<sup>3</sup>, Kieran Batty<sup>1</sup>, Simon Cole<sup>1</sup>, Andrew Inglis<sup>4</sup></p> <p><sup>1</sup>GHSC-PSM Zambia, <sup>2</sup>Chongwe District Health Office, <sup>3</sup>Medical Stores Limited, <sup>4</sup>GHSC-PSM</p>

\*Presenting author

## Contributed Sessions Schedule

Conference Day 3: November 19, 2020

9:00 am – 10:15 am EST (US East Coast) | 2:00 pm – 3:15 pm GMT/EAT (UK, Ghana) | 3:00 pm – 5:15 pm CET/WAT (Switzerland, Nigeria) | 4:00 pm – 5:15 pm SAST (South Africa) | 5:00 pm – 6:15 pm IST (India)

Tracks 9-12

<p><b>Track 9</b> <b>Human Resources</b></p>	<p>[9.1] <b>Benin’s Young Logisticians Professional Program: implicating the next generation of supply chain professionals in strengthening pharmaceutical supply chain at health zone level in Benin (52)</b></p> <p>Jean-Pierre Sallet<sup>1,*</sup></p> <p><sup>1</sup>USAID GHSC-TA Francophone Task Order Project</p>	<p>[9.2] <b>Building data use capacity of health workers using virtual learning packages for a more responsive and resilient supply chain during COVID-19 (41)</b></p> <p>Zoya Mohamed<sup>1,*</sup></p> <p><sup>1</sup>inSupply Health Limited</p>	<p>[9.3] <b>Developmental evaluation (DE) in practice: how DE has helped measure health worker motivation in nomadic and semi-nomadic populations in Kenya, and contributed to adaptable community based distribution programming (42)</b></p> <p>Danielson Kennedy Onyango<sup>1,*</sup>, Ann-Marie Yongho<sup>2,*</sup>, Yasmin Chandani<sup>1</sup></p> <p><sup>1</sup>inSupply Health Limited, <sup>2</sup>JSI</p>
<p><b>Track 10</b> <b>COVID-19: Planning and Innovation</b></p>	<p>[10.1] <b>Looking deep into the crystal ball. The Covid-19 demand planning story for the South African Public Health Medicine Supply Chain (43)</b></p> <p>KhadijaJamaloodien<sup>1,*</sup>, Kolobe Khomo<sup>1</sup>, Shereen Govender<sup>1</sup>, Ruth Lancaster<sup>1</sup>, David Crewe-Brown<sup>2</sup></p> <p><sup>1</sup>South African National Department of Health, <sup>2</sup>USAID Global Health Supply Chain - TA</p>	<p>[10.2] <b>Maintaining visibility of the availability of personal protective equipment during the Covid-19 pandemic (38)</b></p> <p>Claudio Mendes<sup>1,*</sup>, Rob Botha<sup>1</sup>, Stuart Douthwaite<sup>1</sup>, Stuart Murray<sup>1</sup></p> <p><sup>1</sup>USAID Global Health Supply Chain - TA</p>	<p>[10.3] <b>Using blockchain to monitor &amp; trace medical supply-chains (30)</b></p> <p>Tapiwa Mukwash<sup>1,*</sup>, Dorothy Thomas<sup>1</sup>, Gabriella Ailstock<sup>1</sup>, Joseph Roussel<sup>1</sup>, Craig Usswald<sup>1</sup></p> <p>Jonathon Martynski<sup>1,*</sup>, Amy O'Reilly<sup>1,*</sup>, Julian Neale<sup>1,*</sup>, Tim Grimble<sup>1,*</sup>, Sandeep Shamasunder<sup>1</sup>, Ibrahim Shehata<sup>1</sup></p> <p><sup>1</sup>Palladium International</p>

## Contributed Sessions Schedule

<p><b>Track 11</b> <b>Capacity Building and Human Resources</b></p>	<p><b>[11.1] Capacity building of primary health care service providers as a first building block towards strengthening health supply chain: analyzing the effectiveness of partnership for sustainable supply chain processes (10)</b></p> <p>Soumyakant Dwivedy<sup>1,*</sup> <i><sup>1</sup>Becton Dickinson</i></p>	<p><b>[11.2] How might secondment programs successfully alleviate constraints in Sub-Saharan Africa? (46)</b></p> <p>Emma Mihevc<sup>1,*</sup>, Alexandra Calderaro<sup>1,*</sup>, Dominique Zwinkels<sup>2</sup>, Alexis Strader<sup>2</sup>, Bridget McHenry<sup>3</sup>, Jo Tierens<sup>1</sup></p> <p><i><sup>1</sup>Johnson &amp; Johnson, <sup>2</sup>People that Deliver, <sup>3</sup>USAID Bureau for Global Health</i></p>	<p><b>[11.3] Partnering with private sector to deliver medical products and personal protective equipment to the last mile during the Covid-19 pandemic in Mozambique (47)</b></p> <p>Emily Lawrence<sup>1</sup>, Lucilo Williams<sup>1,*</sup>, Baltazar Chilundo<sup>1</sup>, Craig Usswald<sup>1</sup>, Ruth Bechtel<sup>1</sup>, Aida Coelho<sup>1</sup>, Frederico Alberto Couana<sup>2</sup>, Lucille Bonaventure</p> <p><i><sup>1</sup>VillageReach, <sup>2</sup>Ministry of Health Central Medical Store, Mozambique</i></p>
<p><b>Track 12</b> <b>Building Resiliency</b></p>	<p><b>[12.1] Human resource transformation for building a resilient supply chain organisation: exploring common best practices in the African health supply chain (23)</b></p> <p>Pamela Steele<sup>1</sup>, Andrey Levitskiy<sup>1</sup>, Joanna Nayler<sup>1</sup>, Lakshmy Subramanian<sup>1</sup></p> <p><i><sup>1</sup>Pamela Steele Associates Ltd</i></p>	<p><b>[Panel 12.2] Innovating for malaria supply chain resilience in a time of crisis (54)</b></p> <p>Kevin Gandhi<sup>1</sup>, Ntagara Ngabo Donatien<sup>2</sup>, Japhet Chiwaula<sup>3</sup>, Kaluba Mataka<sup>1</sup>, Maeve Magner<sup>3</sup></p> <p><i><sup>1</sup>Zenysis Technologies, <sup>2</sup>Rwanda Biomedical Centre, <sup>3</sup>Global supply chain advisor</i></p>	

\*Presenting author

## Contributed Sessions Schedule

### Abstract to Track Mapping

Abstract #	Track #
3	8.2
4	2.3
6	3.1
10	11.1
11	2.1
12	8.3
13	4.3
15	6.1
20	7.3
21	3.3
23	12.1
25	7.2
30	10.3
32	7.1
33	6.3
35	3.2
36	8.1
38	10.2
40	4.2
41	9.2
42	9.3
43	10.1
44	6.2
46	11.2
47	11.3
51	4.1
52	9.1
54	12.2
55	2.2
Prize Talk	1.1
Prize Talk	1.2
Prize Talk	5.1
Prize Talk	5.2

### Color-coding Legend

Day 1 (Nov. 17), Tracks 1-4
Day 2 (Nov. 18), Tracks 5-8
Day 3 (Nov. 19), Tracks 9-12

### Keynote Speakers



**Dr. Vera Songwe** is the Under-Secretary-General of the United Nations and Executive Secretary of the Economic Commission for Africa (ECA)

Upon her appointment, she became the first woman to lead the institution in its 60-year history. As Executive Secretary, Songwe's reforms have focused on "ideas for a prosperous Africa", and have brought to the fore critical issues of macroeconomic stability, development finance, private sector growth, poverty and inequality, the digital transformation, trade and competitiveness.

Recently listed as one of Africa's 50 most powerful women by Forbes, named as one of the '100 Most Influential Africans' by Jeune Afrique in 2019, '100 Most Influential Africans' by New African Magazine in 2017, and one of the '25 Africans to watch' by the FT in 2015, Songwe is acknowledged for her long-standing track record of providing policy advice and her wealth of experience in delivering development results for Africa. She has written extensively on development and economic issues including on debt, infrastructure development, fiscal and governance issues. She is well published and contributes to the development debate across a broad spectrum of platforms including in the Financial Times.

Prior to ECA, she held a number of senior leadership roles with the International Finance Corporation (IFC) and World Bank.



**Dr. Muhammad Ali Pate** is the Global Director, Health, Nutrition and Population (HNP) Global Practice of the World Bank and the Director of Global Financing Facility for Women, Children and Adolescents (GFF), based in Washington DC. Dr. Pate was until recently the Chief Executive Officer of Big Win Philanthropy, based in the UK, and prior to that held several senior positions, including that of Minister of State for Health in the Federal

Republic of Nigeria. He was previously in the World Bank Group where he joined as a Young Professional in 2000 and worked on health issues in several regions including Africa and the East Asia and Pacific.

Dr. Pate is an MD trained in both Internal Medicine and Infectious Diseases, with an MBA from Duke University. Prior to this he studied at the University College London. He also has a Masters in Health System Management from the London School of Hygiene & Tropical Medicine, UK.



Senior Director of Operations, Amer Daoudi, was appointed by WFP's Executive Director as the Corporate Response Director (CRD) for COVID-19. In this capacity, he is responsible for operational management and ensuring first-line support to the Regional Directors, including mobilizing support from across the organization as needed. He is also responsible for managing relationships with external partners working on the COVID-19 response, including governments, other UN agencies and the private sector.

Amer Daoudi assumed his duties as Senior Director of Operations at the World Food Programme in January 2018. In this role, where he oversees the Logistics/Supply Chain and Emergency Preparedness and Response divisions, Mr. Daoudi is drawing on 30 years of experience in leading and managing complex humanitarian operations.

Most recently, Mr. Daoudi served as the Regional Humanitarian Coordinator for the Yemen Crisis, in charge of coordinating and facilitating the delivery of humanitarian supplies into Yemen, overseeing operations from Djibouti, Riyadh, Amman, and Sana'a. Prior to that, Mr. Daoudi served as the Director of Operations Support for the UN Mission for Ebola Emergency Response, the first mission of its kind. He coordinated the enabling activities of the response in West Africa beginning with the design of a comprehensive operations framework for the Ebola response.

Mr. Daoudi's prior 20 years of service with WFP includes highly effective leadership and management positions; he was Regional Director in Sudan from 2009-2012, WFP's largest operation at the time, covering Sudan and South Sudan, and Director of Logistics and Procurement in HQ, among others. He was also instrumental in positioning WFP as the lead of the Global Logistics Cluster, and led the WFP response to some of the most complex emergencies such as Afghanistan, Iraq and Lebanon.

Prior to joining WFP, Mr. Daoudi spent a decade in private sector shipping. Mr. Daoudi, a Jordanian national, holds an MBA from Georgetown University.

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- **Anton L.V. Avanceña**, PhD Candidate, School of Public Health, University of Michigan, Ann Arbor
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