

AN E-MARKETPLACE ECOSYSTEM FOR RELIEF ITEMS IN ASEAN PROGRAMME:

Building Resilient Essential Supply Chains Through Technological Innovations Workshop

16th & 17th January 2025, 08:45 – 17:00 hours

Yogyakarta

Background:

Understocking and overstocking are critical issues in supply chain management, leading to either shortages or excess inventory—both of which can cripple efficiency and responsiveness. In essential supply chains, these imbalances waste resources, increase costs, and most importantly, delay the timely delivery of critical goods, putting lives and livelihoods at risk.

In emergency response and staple food supply chains, the stakes are even higher. Understocking in disaster response means life-saving items may not reach those in need, while overstocking wastes valuable time, space, and funds. Similarly, in staple food supply chains, shortages can lead to food insecurity, while oversupply results in spoilage and inefficiency. Balancing these extremes is essential to building resilience and ensuring smooth, reliable operations.

Technological innovation has the potential to address these challenges. By leveraging data analytics, digital platforms, and modern supply chain tools, we can optimize stock management and better align supply with demand.

Objectives of Workshop:

Supported by the United States Agency for International Development (USAID) Bureau for Humanitarian Assistance (BHA), this workshop aims to:

- Generate awareness of the program among potential stakeholders and disseminate relevant knowledge i.e. humanitarian supply chain strategies and staple commodities supply chains.
- Encourage collaboration with key stakeholders, including suppliers, responding agencies (both national and sub-national disaster management offices), non-governmental organizations, and logistics service providers.
- Conduct hands-on sessions for attendees to explore the e-marketplace ecosystem demonstrator and model approaches for designing supply chain strategies.

Lead Facilitator:



Dr Robert de Souza
Executive Director
The Logistics Institute – Asia Pacific
National University of Singapore

Supporting Partners:



DAY 1: SETTING THE SCENE & INTRODUCING THE E-MARKETPLACE ECOSYSTEM

- 08:45** **Welcome and Opening Remarks**
Dr Robert de Souza, Executive Director, TLI-AP, NUS, and
Mr Emmanuel Nougá-Ngog, Senior Private Sector Engagement Advisor, USAID BHA, Washington DC, USA
- 08:50** **The Context**
Mr Antoni Hutagaol, Head of Emergency and Logistics Division, BPBD Bantul
- 09:00** **Introduction of Workshop Participants**
Facilitated by Dr Giuseppe Timperio, Project Operations Manager, TLI-AP, NUS
- 09:15** **What is Supply Chain Management?**
Dr Robert de Souza, TLI-AP, NUS
- 09:30** **What is Humanitarian Logistics?**
Dr Giuseppe Timperio, TLI-AP, NUS
- 10:30** *Coffee Break*
- 11:00** **Introducing Understocking and Overstocking**
Dr Robert de Souza, TLI-AP, NUS
- 11:50** **E-Marketplace: The Lifesaver for Emergency Procurement & System Demonstration**
Ms Fatah Yogo Yudhanti, Disaster Analyst, BPBD Bantul, and Dr Giuseppe Timperio, TLI-AP, NUS
- 13:00** *Lunch Break*
- 14:00** **Role-based Group Exercise: E-Marketplace Ecosystem for Relief Items (Part I)**
Ms Fatah Yogo Yudhanti, BPBD Bantul, Mr Barori Budi Aji, Vice Secretary, MDMC and Dr Giuseppe Timperio, TLI-AP, NUS
- 15:00** *Coffee Break*
- 15:30** **Role-based Group Exercise: E-Marketplace Ecosystem for Relief Items (Part II)**
Ms Fatah Yogo Yudhanti, BPBD Bantul, Mr Barori Budi Aji, MDMC and Dr Giuseppe Timperio, TLI-AP, NUS
- 16:00** **Refining the E-Marketplace Ecosystem: Group Analysis & Presentations**
Ms Fatah Yogo Yudhanti, BPBD Bantul, Mr Barori Budi Aji, MDMC and Dr Giuseppe Timperio, TLI-AP, NUS
- 16:30** **Day 1 Closing Remarks**
Dr Robert de Souza, TLI-AP, NUS
- 16:45** **Feedback Form and Photos. End of Day 1 (by 5 pm)**

DAY 2: E-MARKET MODULAR FOOTPRINT & STAPLE FOOD PROCESS ANALYSIS

- 08:45** **Welcome and Opening Remarks**
Mr Antoni Hutagaol, BPBD Bantul
- 09:00** **Introduction to Strategic Supplier Management and Supply Chain Risk Management**
Dr Robert de Souza, TLI-AP, NUS
- 09:45** **Recap of Feedback from Hands-on Session**
Dr Giuseppe Timperio, TLI-AP, NUS
- 10:30** *Coffee Break*
- 11:00** **Recap of the E-marketplace Ecosystem**
Dr Giuseppe Timperio, TLI-AP, NUS
- 11:30** **Guest Speaker Session**
- 12:30** *Lunch Break*
- 14:00** **Decision Support in Humanitarian Logistics**
Dr Giuseppe Timperio, TLI-AP, NUS
- 14:30** **Vital Gains from Grains: The Rice Supply Chain from Field to Fork**
Dr Robert de Souza, TLI-AP, NUS
- 15:00** *Coffee Break*
- 15:15** **Computer Modelling for Decision Support & Hands-On Exercise**
Dr Giuseppe Timperio, TLI-AP, NUS
- 16:15** **Workshop Closing Remarks**
Dr Robert de Souza, TLI-AP, NUS and Mr Emmanuel Nougá-Ngog, USAID BHA, Washington DC, USA
- 16:30** **Feedback Form and Photos. End of Workshop (by 5 pm)**