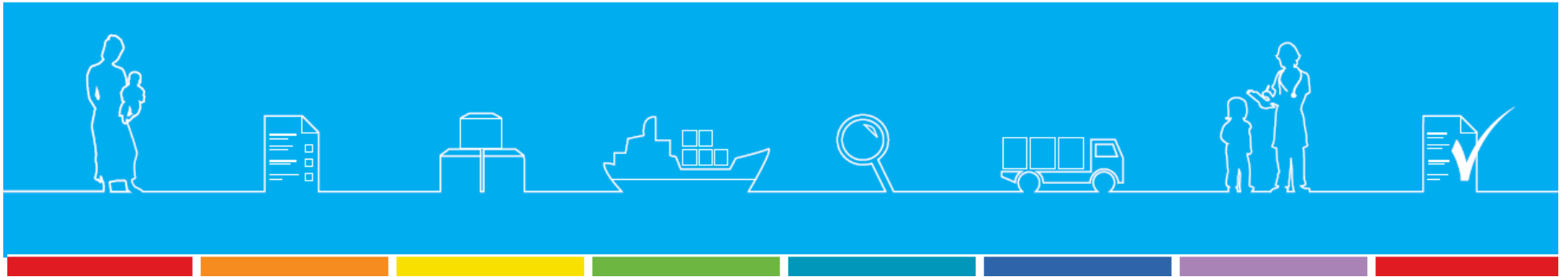




Supply Chains for Children



Prakash Vaidyanathan,
Chief, Operational Analysis & Technology Centre
UNICEF Supply Division

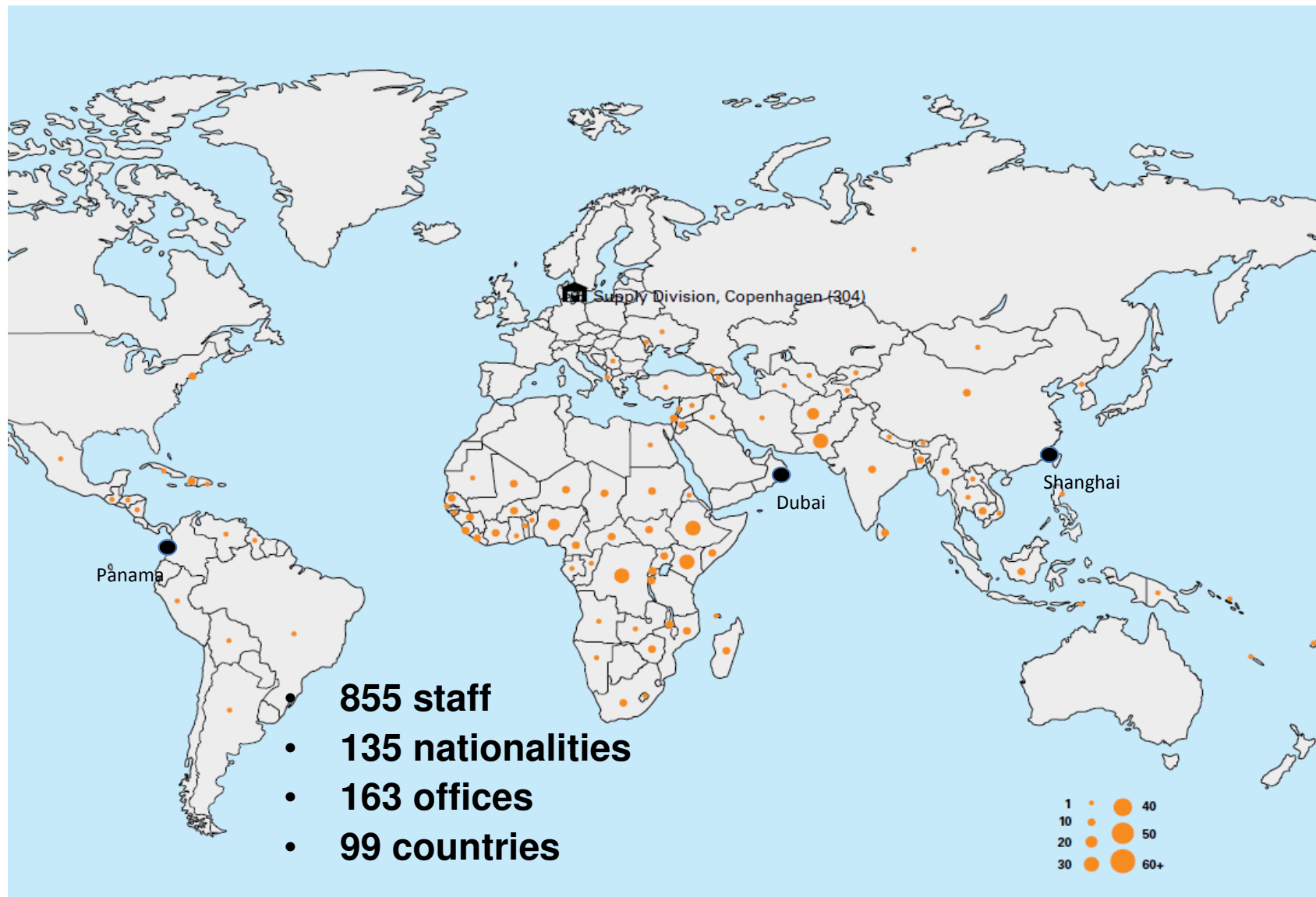


Supply Division – Strategic Focus

- Provide service-delivery
- Support end-to-end supply chains
- Influencing global markets
- Emergency preparation & response
- Product & technology innovation



Where we are as Supply Division



Major Commodity Groups

2013: \$2.839 billion in supplies and services



Vaccines
\$ 1,286



Pharmaceuticals
\$ 197



Nutrition
\$ 166



Medical supplies and equipment
\$ 111



International freight
\$ 101



Bed nets
\$ 91



Construction
\$ 70



Water & Sanitation
\$ 91



Education Supplies
\$ 57



Printing
\$ 42

UNICEF procured 2.79 billion doses of vaccines for 100 countries, reaching 38% of the world's children



Supply Visibility

- **Barcodes** used in **UNICEF Supply Division Warehouse** at Copenhagen > 15 years
- Bar codes are a **must** for UNICEF SD Warehouse Operations

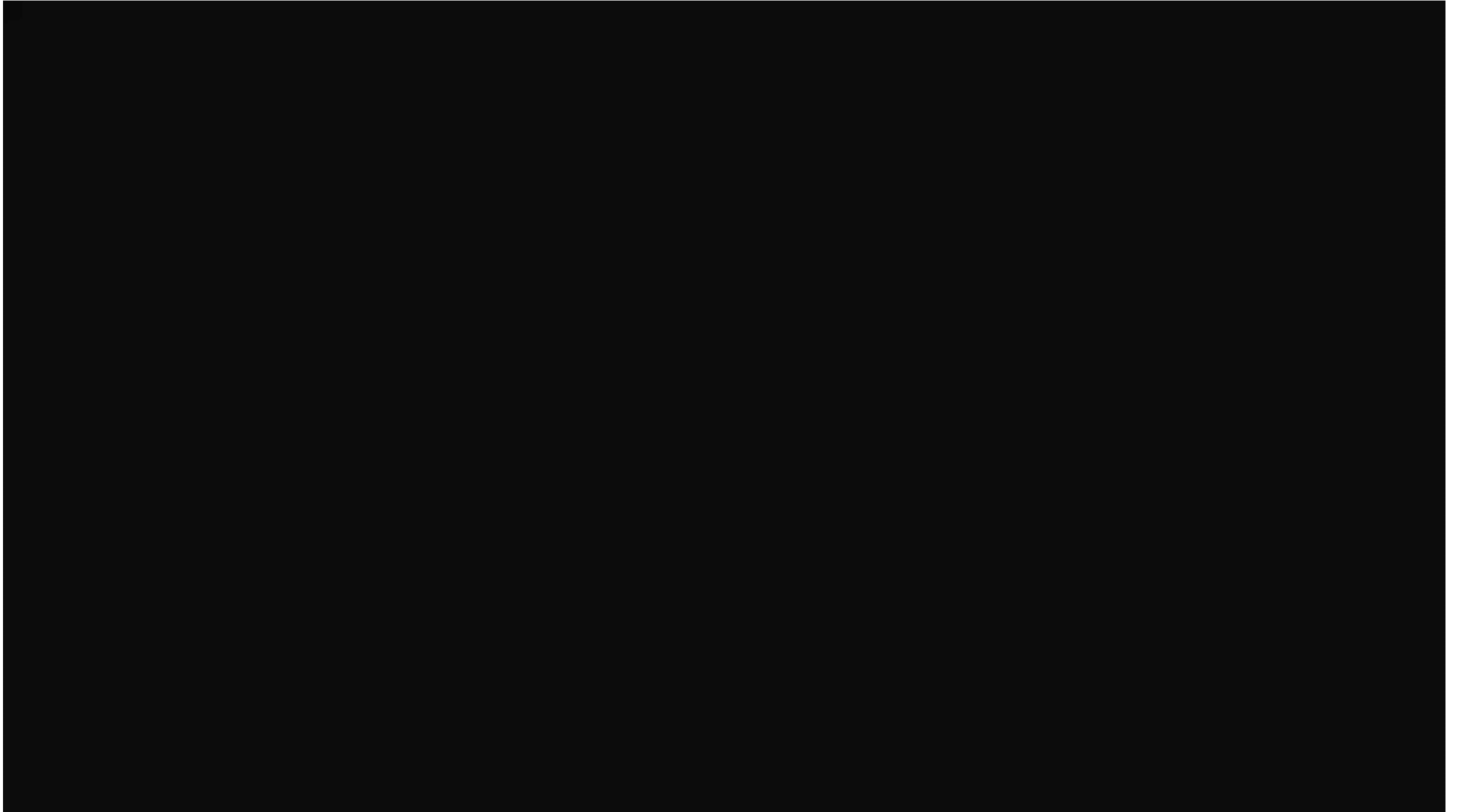


Application Identifiers similar to GS1, for secondary packaging

- Suppliers include information **related to UNICEF orders** in the barcode
- Information from the barcode **Read & Registered** in UNICEF **ERP system**, VISION



Supply Division Warehouse



Supply Visibility - Extending Barcodes

- 2012 onwards – one Global ERP system in UNICEF
- Information **visibility** in one place
- **Opportunities:** Supply Tracking & Operational Efficiency
- Use of Barcodes to be **expanded** to UNICEF country offices
- Barcode Pilot Underway for *Goods Receipt, Goods Issue & Inventory Management*

- Using GS1 standards based specifications

- ✓ UNICEF Material number
- ✓ UNICEF PO number
- ✓ Quantity
- ✓ UNICEF Item number
- ✓ Batch number
- ✓ Expiry date

unicef

(01) 0 5712345 00001 4



(17) 040104



(24) 12345678



(10) ABC123



(400) 12345678



(90) A123B10000002321



Vaccines Specific...

- In 2014, Vaccine Presentation and Packaging Advisory Group (VPPAG) recommended use of GS1 standard specifications barcodes on secondary and tertiary packaging levels by manufacturers
- By 2015, WHO to include the recommendation, for their guidelines update on prequalification, barcodes as a preferred characteristic (non-mandatory)
- UNICEF is considering to indicate barcodes as a preferred characteristic for vaccine supplies in future tenders



Take Aways so far

- There are advantages in standardizing the use of barcodes
- Benefits, Objectives & Users have to be clearly defined
- Barcodes with Custom Information may be unavoidable
- Standardization may have an impact on the automation systems
- Communication, Communication, Communication.....

Long way to go...

High Optimism that we can accomplish



Thank You

