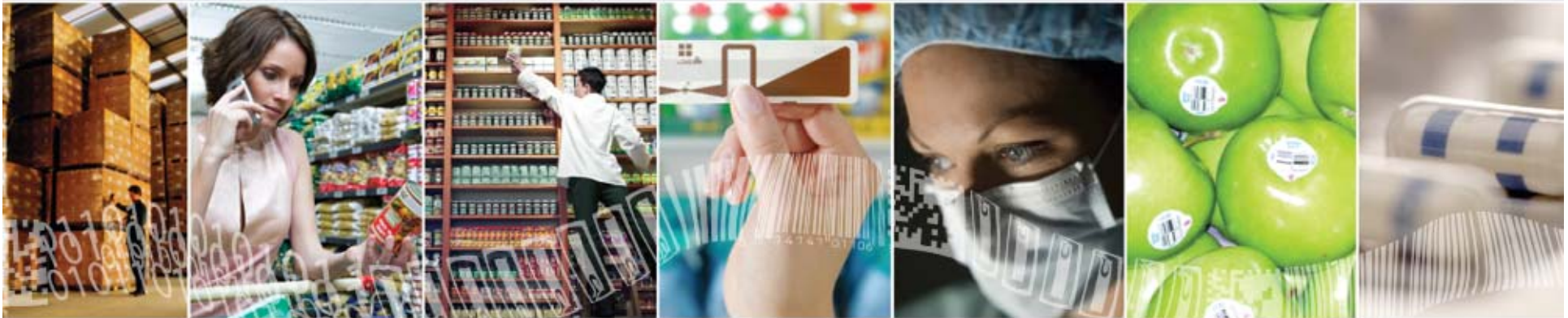




# GS1 – Supporting the Infrastructure for the Internet of Things

Miguel A. Lopera  
Zurich, March 28<sup>th</sup>, 2008





## GS1 in numbers

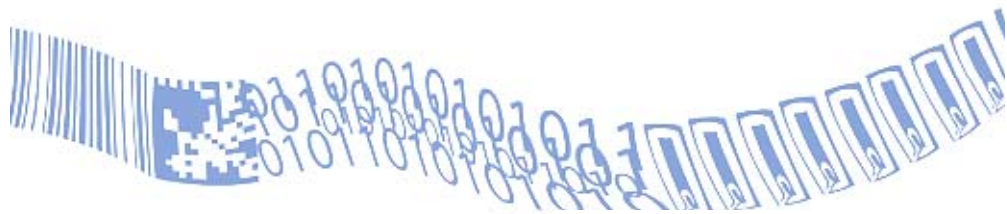
A fully integrated global organisation, GS1 was formed in early **2005** from the joining of EAN International and the Uniform Code Council (UCC).

- More than **30** years of experience
- **108** local GS1 organisations representing **all points** in the supply chain
- Over **1700** professionals around the world
- Over a **million** companies doing business across **145** countries
- Over **20** represented sectors (FMCG, healthcare, transport, defence...)
- Over **5 billion** transactions a day

**GS1 is the most widely used  
supply chain standards system in the world.**



# Vision & Mission





# GS1 Vision and Mission

- Our vision is a world where things and related information move efficiently and securely for the benefit of businesses and improvement of people's lives
- Our mission is to be the neutral leader enabling communities to develop and implement global standards





# Beliefs

- We are a **not-for-profit** organization
- We are **neutral** from the business partners
- We are **user driven and governed**
- We **serve all companies**, both multinationals and SMEs
- We are a **platform for collaborative agreements** between business partners
- We believe that **our people** – employees and associates – **are our most important asset**





# Core Competencies

1. Global Identification System
2. Global Standards Development
3. Global Reach
4. Cross-Cultural Communication



# **The GS1 System: A broad portfolio**





# The GS1 System



## The GS1 System

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An integrated system of global standards that provides for accurate identification and communication of information regarding products, assets, services and locations.







# The GS1 System: A Broad Portfolio

GS1 has a full portfolio of **products**.

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**Global standards for automatic identification**  
Rapid and accurate item, asset or location identification



**Global standards for electronic business messaging**  
Rapid, efficient & accurate business data exchange



**The environment for global data synchronisation**  
Standardised, reliable data for effective business transactions



**Global standards for RFID-based identification**  
More accurate, immediate and cost effective visibility of information





# GS1 BarCodes



## Global standards for automatic identification

Rapid and accurate item, asset or location identification



- The BarCodes and GS1 Identification System have provided benefits to consumers around the world for over thirty years
- The most widely used physical identification standard in the world
- Supported by all open trade retailers globally
- Implemented by over 1,200,000 user companies in more than 140 countries
- More than 5 billion 'beeps' in the check-outs each day





# GS1 eCom



**Global standards for electronic business messaging**  
Rapid efficient & accurate business data exchange



- Global standards for electronic business messaging
- Rapid, efficient and accurate automatic electronic transmission of agreed business data between trading partners all along the supply chain
- Improved efficiency and visibility in the supply chain





# GS1 GDSN



## The environment for global data synchronisation

Standardised, reliable data for effective business transactions



- GDSN: Global Data Synchronisation Network
- An automated, standards-based global environment that enables secure and continuous data synchronisation, allowing all partners to have consistent item data in their systems at the same time
- Standardised reliable data for effective business transactions in both global and local markets, driving costs out of the supply chain





# GS1 EPCglobal



## Global standards for RFID-based identification

More accurate, immediate & cost-effective visibility of information



- A global standard system that combines radio frequency identification (RFID) technology, existing communications network infrastructure and the Electronic Product Code (a number for uniquely identifying an item)
- Immediate and automatic identification and tracking of an item through the whole supply chain
- Improved efficiency and visibility in the supply chain

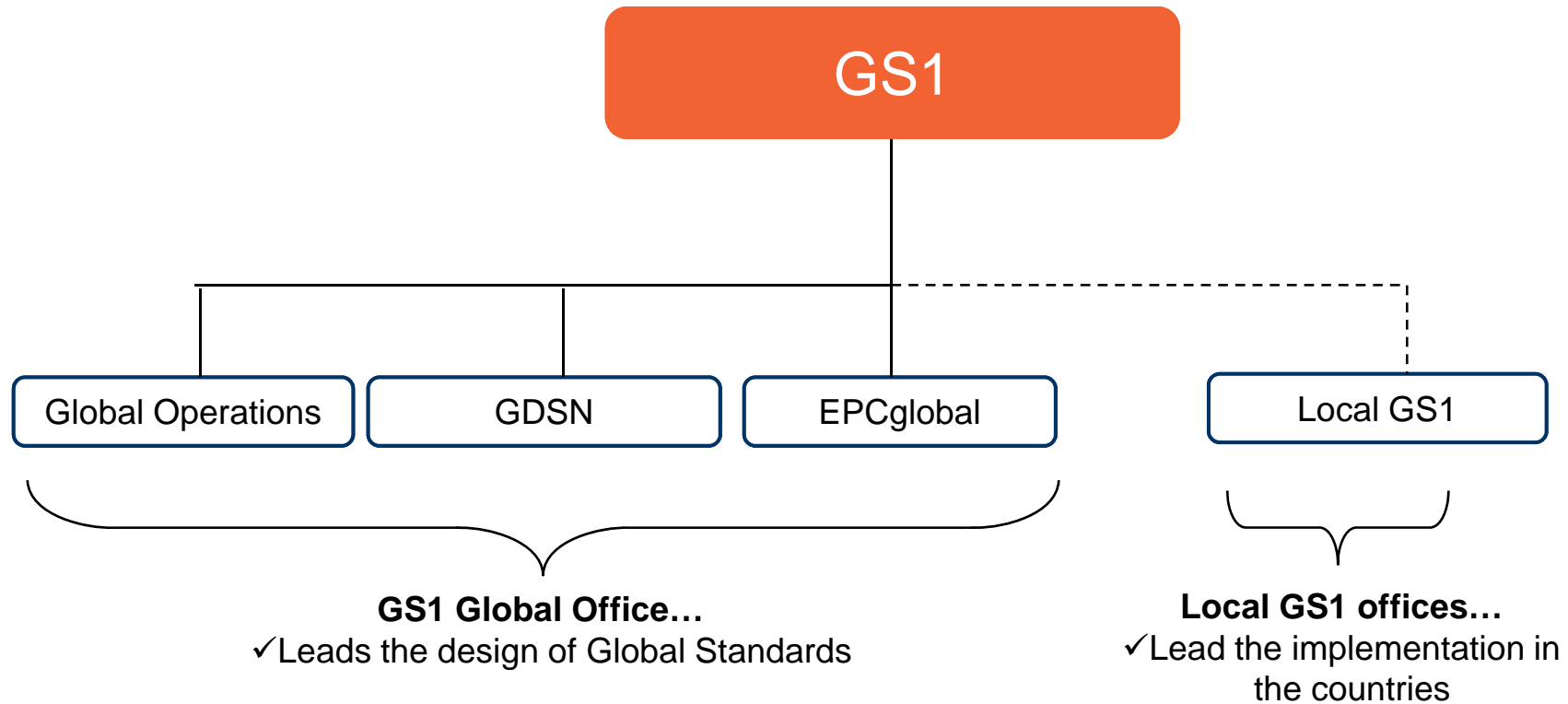


# Organization & Governance



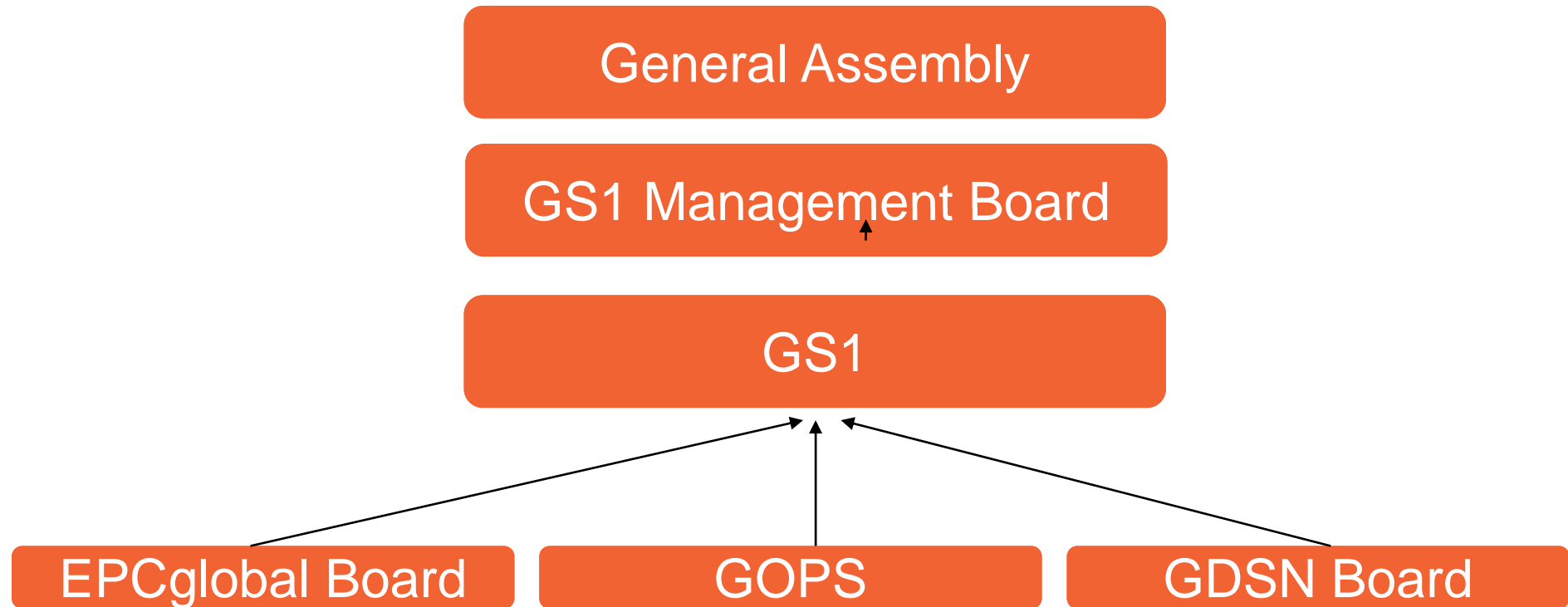


# Our Organisation





# GS1 Governance



**The General Assembly, which consist of 108 GS1 Member Organizations, provides overall governance for GS1 activities**





**Thanks!!!**

