Global Webinar – Digital Innovations for Food Safety in China:

Supply chain collaboration thrives on standardisation

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Siloed approaches are no longer sufficient
Supply chains require collaboration to thrive

We need data standards to achieve interoperability among supply chain stakeholders
Interoperability is the result of:

- Business processes (internal and external)
- Systems and Applications
- GS1 standards for Identify, Capture and Share
Interoperability underpins traceability across the supply chain

Identify: GS1 Standards for Identification

Capture: GS1 Standards for Barcodes & EPC/RFD

Share: GS1 Standards for Data Exchange

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Example 1: Import compliance and online tracking of fresh milk exports to China

PGS utilised GTIN barcode and Telstra data logger technology to provide real time, online tracking of fresh milk exports to China.

Since 2015, over 7M litres exported to date with 100% import compliance and temperature control.
Real time shipment traceability data was integrated into the (then) Suzhou China Inspection & Quarantine (CIQ) system.

**Peloris ‘Fast & Fresh’ Market Access Solution**

**Australian Stakeholders**
- Farm
- Processor
- Laboratory
- Exporter
- Transporter
- Freight
- Forwarder
- Freighter

**China Stakeholders**
- Customs
- Quarantine
- Laboratory
- Bonded Zone Storage
- Transporter
- Distributor / customer

- Cloud
- PGS – CIQ Server
- Real time shipment status reports

- Real time temperature monitoring
- Real time location tracing
Example 2:
Shanghai Food Safety Information Inquiry Platform

Use commodity barcode + batch number/production date to realize traceability of grain and products, livestock products and products, poultry and product products, vegetables, fruits, aquatic products, soy products, dairy products, edible oil, etc.

采用商品条码+批次号/生产日期实现对粮食及制品、畜产品及制品、禽及产品制品、蔬菜、水果、水产品、豆制品、乳制品、食用油等进行追溯。
5 key takeaways:
Supply chain collaboration thrives on standardisation

i. Product Traceability needs **interoperability** across the supply chain

ii. To achieve interoperability, traceability systems **need standards**

iii. Without standards, Product Traceability is **hard, expensive and inaccurate**

iv. Standards **are here**, so let’s use them to get the foundations right!

v. Collaboration is key
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Traceability material

◆ GS1 traceability standards
◆ Traceability for Fresh Fruits and Vegetables - Implementation Guide、GS1 Global Meat and Poultry Traceability Guideline、GS1 Foundation for Fish, Seafood and Aquaculture Traceability Implementation
◆ GS1 traceability standard used in food traceability etc.

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