• Once goods are in the box and start flowing outside the company walls, it is a...
What shippers would gain

• Reduction of Supply Chain Cost: operations
  – Less failing transport
    ▪ Proactive measures in stead of reactive
    ▪ Avoid extra shipments
  – Less admin cost
    ▪ Less paperwork
    ▪ Less follow up
  – Reduced cost of compliance
    ▪ Admin reduced
    ▪ AEO certification easier
What shippers would gain

• Reduction of Supply Chain Cost: inventory
  – Inventory cost ( = 25% of the value !!)
    ▪ CORE reduces risk and reducing risk reduces inventory
    ▪ Less inventory =
      – Less handling
      – Less space
      – ….
    ▪ Reduced transport times because data arrive before goods
      – Less leadtime = less inventory
CORE in figures

- Total cost: € 49M, EC funding: €29M
- 70 partners from 17 countries (incl USA, Canada, Kenya)
- 4-year duration: May 2014 – May 2018
- 16 demonstrations
- 22 work packages
CORE Key Concepts

**Overall objective**
Enhance *speed, reliability and efficiency* of legitimate trade and logistics whilst enhancing the *effectiveness of supervising* global trade and safeguarding supply chain *security*.

**Collaboration & Recognition concepts**
- System based supervision
- Coordinated border management

**Proactive & Responsive supply chain concepts**
- Supply chain resilience
- Advanced Supply Chain Risk Management

**Fundament**
- Visibility of end-to-end supply chains and visibility of supply chain risks
- Low-intrusive security technologies
- Seamless data interoperability
CORE Overall Objective through datapipeline

- Core risks in int. Trade & Logistics
- Awareness, best practices & deployment
- CORE Key Innovative Concepts
- Current practises
- Current State of the Art
- Innovation potential
- Friction costs in int. Trade & Logistics
**Demo’s and key concepts**

- **Large scale Demo (Maersk)**
  - Seacon NL - Asia

- **BSH Spain** – **China**
  - Efico Belgium - Colombia

- **DHL Spain** – **USA**
  - P&G Belgium - USA

- **Flora Holland NL - Kenya**
  - Felixstowe Port
  - Seacon NL - Asia

- **DHL Spain** – **USA**
  - P&G USA - Belgium

- **Flora Holland Kenya - NL**
  - Felixstowe Port
  - Large Scale Demo (Maersk)
  - Seacon NL - Asia

- **Efico Colombia - Belgium**
  - BSH Spain - China

**Objective**

- Enhance speed, reliability and efficiency of legitimate trade and logistics whilst enhancing the effectiveness of supervising global trade and safeguarding supply chain security.

**Fundamentals**

- Proactive & Responsive supply chain concepts
- Collaboration & Recognition concepts

**Key Concepts**

- Coordinated border management
- System based supervision
- Advanced Supply chain Risk Management
- Visibility of end-to-end supply chains and visibility of supply chain risks
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Overall objective
Collaboration & Recognition concepts
Proactive & Responsive supply chain concepts

- Enhance speed, reliability and efficiency of legitimate trade and logistics whilst enhancing the effectiveness of supervising global trade and safeguarding supply chain security
- System based supervision
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LARG+O (Lean Agile Resilient Green Optimized SC)
Anomaly detection
Contingency plans

- Container Scanning Devices (CSDs)
- Wagon tracking
- Next Generation Scanning Systems (NGSS)

Trusted trade lane supervision
Customs dashboard
Multiple filing / ICS2
MTVA-TTL module

MultiMethod Threat & Vulnerability Analysis
CONTRAFFIC
TRIMIT

Customs – Phyto integration
Customs – Dangerous goods transport

Connectivity infra
SCSRF
Waypoint data model (WP10)
And now what ??!!

• Recommendations to European Commission
  – Customs dashboard to access additional info for facilitation and risk assessment
  – Maximize digitalisation of documents
    • Policy/regulation
    • B2B
    • B2G

• CORE lives on
  – Recent legislative proposal for e-documents
  – Selix/AEOLIX
  – ALICE