

UN/CEFACT Standards for electronic SPS and Information Management in Trade

Geneva, June 2016



In this presentation..



Aspects of the eCERT standard

- ❑ Standard – electronic permits
- ❑ Processes – Automation or permit processing
- ❑ Supply chains – Collaboration in global trade
- ❑ Sustainability - Sustainable agriculture trade



Electronic Manifest

Modes of Transport

Location Codes

Cargo Description

Currency Codes

Standard Contracts

Document Standards

UN/CEFACT Agriculture Expert Group

Messages and processes for agriculture trade



Objectives:

- Standardization of processes and information
- Improvement of agriculture trade through better information
- Integration of agriculture trade into global standards for trade
- Compliance to regulations for food quality and safety

eCERT: the standard for electronic SPS



- ❑ UN/CEFACT eCERT standard for agriculture certificates
- ❑ eSPS, eCITES, ..
- ❑ Recommended by FAO/IPPC and CITES
- ❑ Information from eSPS can be reused in other documents: CITES permits, Customs declaration, invoice, transport documents ..
- ❑ eCERT standard: (high level) description of the business processes, the data model and the XML Schema

1 Name and address of exporter		2 PHYTOSANITARY CERTIFICATE	
3 Declared name and address of consignee		No. EC / NL /  04026805	
4 Declared means of conveyance		ORIGINAL	
7 Declared point of entry		4 Plant Protection Organization of the Netherlands	
8 Distinguishing marks, number and description of packages; name of product botanical name of plants		to Plant Protection Organization of	
10 This is to certify that the plants, plant products or other regulated articles described herein: — have been inspected and/or tested according to appropriate official procedures, and — are considered to be free from the quarantine pests specified by the importing contracting party, and — are considered to conform with the current phytosanitary requirements of the importing contracting party, including those for regulated non-quarantine pests.		5 Place of origin	
11 Additional declaration		6  agriculture, nature and food quality	
12 Treatment		9 Quantity declared	
13 Chemical (active ingredient)		14 Duration and temperature	
15 Concentration		16 Date	
17 Additional information		18 Place of issue	
		Date: Name of authorized officer: Stamp of Organization:	

<Name>Phytosanitary certificate<Name>
 <ID>EC/NL/04026805<ID>
 <IssueDateTime>2011-07-20<IssueDate Time>
 <IssuerSPSParty>
 <Name>Plant Protection Organization
 of the Netherlands<Name>
 <RecipientSPSParty>
 <Name>APHIS<Name>
 <Description>Cut flowers<Description>
 <ScientificName>Rosa spp.<ScientificName>

Electronic Certificates: Benefits of Automation



Primary Effects: Automation

- Faster information exchange for faster movement of produce

Secondary Effects: Reform

eBusiness always requires analysis of the situation, a gradual improvement of processes and documents, increase of collaboration (change management) and finally automatisisation

→ eBusiness is a motor for reform

- Process analysis and identification of bottlenecks
- Legal and organizational reforms
- Transparency, application of regulations
- Increased trust of trade partners
- New market opportunities

Benefits of eBusiness projects

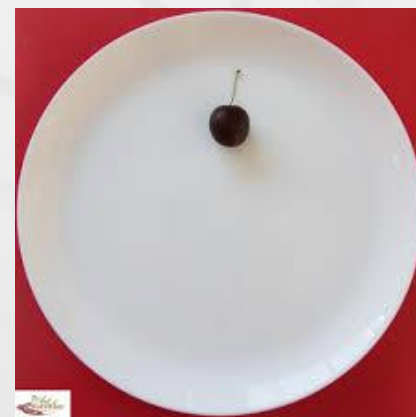
Developed economies (often) have efficient processes, institutions and legislation

→ Automation is the cherry on the cake



Developing countries often need to improve processes, institutions and legislation

→ Automation would give only the cherry, no cake



Challenge for the project manager: Develop a project concept that delivers both automation and improvement of the overall situation

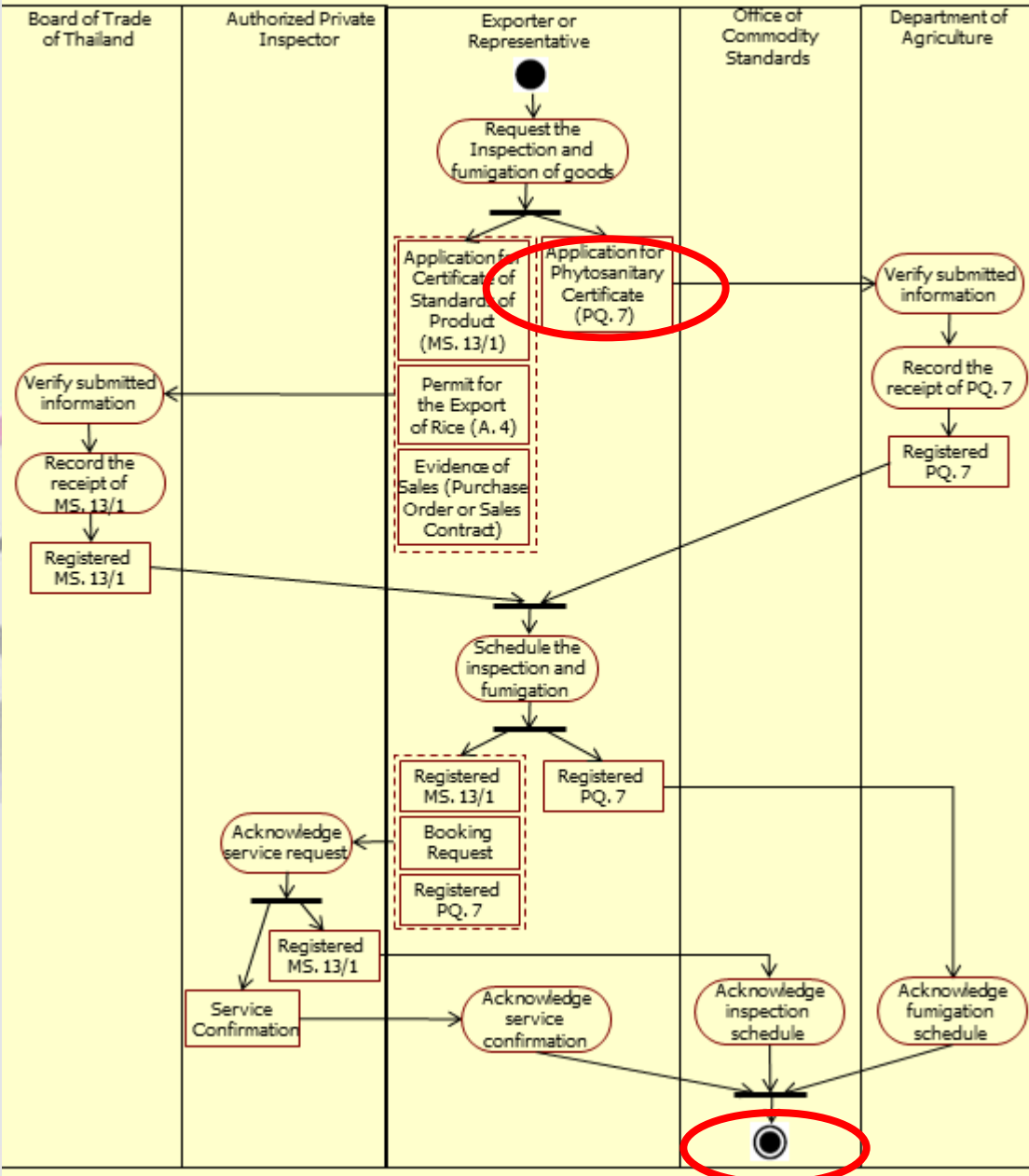
Implementing electronic SPS

Four major project components (Country of Export)

- I. Automation of certificate issuance:** electronic application, scheduling of inspection, issuance, payment, recording of results
- II. Integration with Customs and OGA:** use electronic SPS for Export clearance; integration of information flows
- III. Exchange** of electronic SPS between **importing and exporting** country
- IV. Intelligent use of electronic information** for better exports: use information for statistics, risk management, export promotion, ..

Export of Jasmine Rice from Thailand

Arrange the inspection and fumigation



TRADE FACILITATION IMPLEMENTATION GUIDE

UNECE

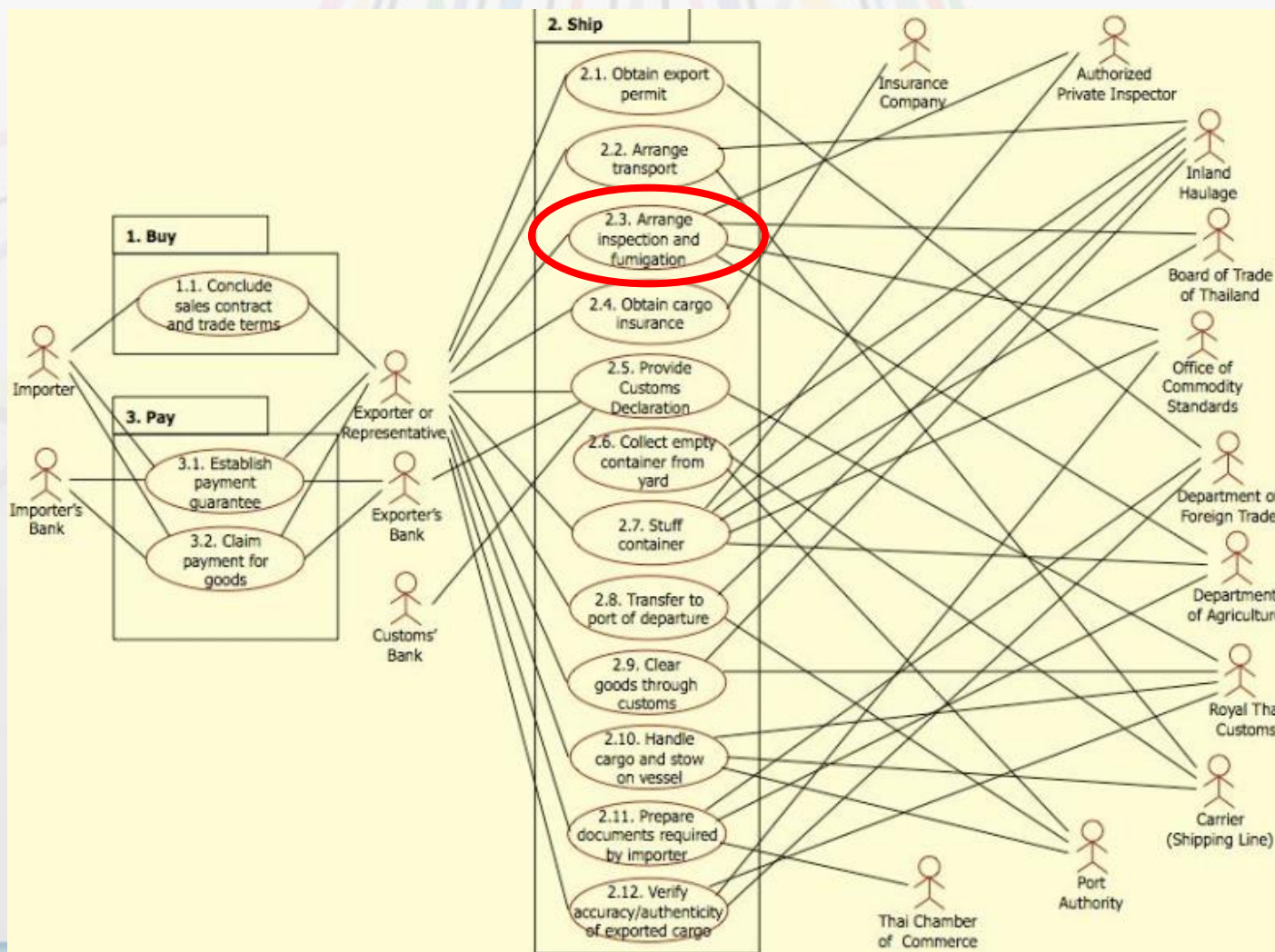
Implementing electronic SPS

Four major components of a project for electronic SPS (Country of Export)

- I. **Automation of certificate issuance:** electronic application, scheduling of inspection, issuance, payment, recording of results
- II. **Integration with Customs and OGA:** use electronic SPS for Export clearance; integration of information flows
- III. **Exchange of electronic SPS between importing and exporting country**
- IV. **Intelligent use of electronic information** for better exports: use information for statistics, risk management, export promotion, ..

electronic SPS in the Supply Chain

Export of Thai Jasmin Rice:
from purchase order until the container leaves Thailand



Documents for Export of Jasmin Rice

15 parties, 36 documents, over 1000 data elements

1. Proforma Invoice (35)
2. Purchase Order (39)
3. Commercial Invoice (51)
4. Application for Letter of Credit (24)
5. Letter of Credit (32)
6. Packing List (25)
7. Cargo Insurance Application Form (20)
8. Cover Note (23)
9. Insurance Policy (24)
10. Booking Request Form – Border Crossing (25)
11. Booking Confirmation – Border Crossing (30)
12. Booking Request Form – Inland Transport (16)
13. Booking Confirmation – Inland Transport (18)
14. Bill of Lading (42)
15. Empty Container Movement Request (TKT 305) (20)
16. Request for Port Entry (TKT 308.2) (27)
17. Equipment Interchange Report (EIR) (24)
18. Container Loading List (28)
19. Container List Message (32)
20. Outward Container List (34)
21. Master Sea Cargo Manifest(17)
22. House Sea Cargo Manifest (37)
23. Export Declaration (114)
24. Good Transition Control List (27)
25. Application for Permission to Export Rice (KP. 2) (24)
26. Sales Report (KP 3) (21)
27. Application for the Collection of the Permit for the Export of Rice (A. 3) (35)
28. Permit for the Export of Rice (A. 4) (35)
29. Application for Certificate of Standards of Product (MS. 13/1) (44)
30. Certificate of Analysis (17)
31. Certificate of Product Standards (MS. 24/1) (45)
32. Certificate of Fumigation (21)
33. Application for Phytosanitary Certificate (PQ. 9) (29)
34. Phytosanitary Certificate (33)
35. Application for Certificate of Origin (42)
36. Certificate of Origin (38)

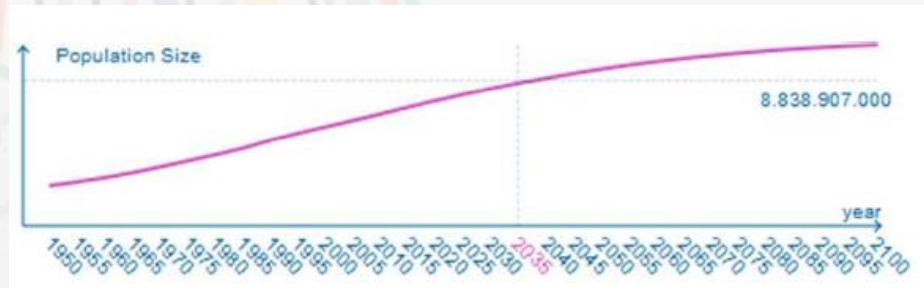
* Number in parenthesis is the no. of data elements



Information and Sustainable Development

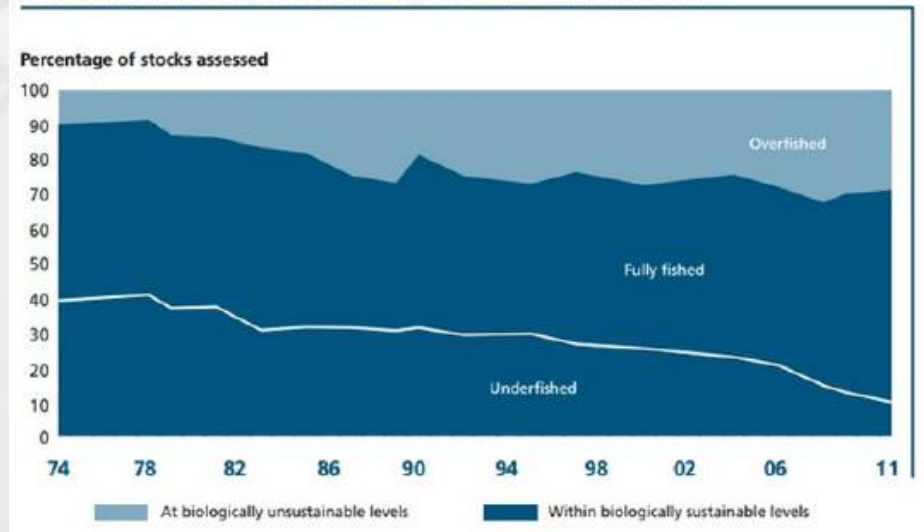
Global Trends 2030

❑ Increased population and demand



❑ Shrinking resources

Global trends in the state of world marine fish stocks, 1974–2011



➔ One resource that will be ubiquitously available: Information

➔ Let's make use of it!

Intelligent Agriculture Trade

Standards and information empowering sustainability

- ❑ FLUX: sustainable fisher management through electronic catch reports
- ❑ Electronic CITES: protecting endangered species
- ❑ Electronic SPS: Automation of sanitary and phytosanitary controls
- ❑ Electronic laboratory messages
- ❑ Traceability standards: trust and enforcement
- ❑ Single Window: Better border processes

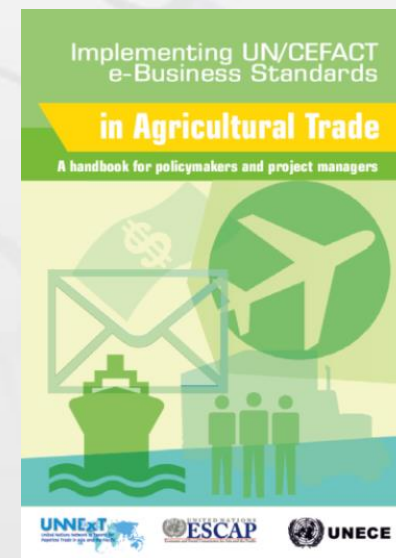


➔ Information to protect resources, reduce waste, increase production and provide better products for more people

Implementation strategy for electronic SPS

Stepwise (phased) implementation of electronic Certificates

- ❑ Define project phases with clear objectives, outcomes, benefits and KPI
- ❑ Stepwise implementation adapted to the readiness and priorities of the country
- ❑ Seek synergies on the regional and global level
- ❑ Look for a standard framework for implementation



Thank You

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