UNNExT Workshop on Implementation of e-SPS and Automation for Agriculture Trade Facilitation

1-3 November 2016
Bangkok, Thailand

UNNExT
United Nations Network of Experts for Paperless Trade and Transport in Asia and the Pacific

UNITED NATIONS
ESCAP
Economic and Social Commission for Asia and the Pacific

Conducting a Feasibility Study and Cost-Benefit Analysis for Paperless/e-Cert Systems

UNNExT Workshop on Implementation of e-SPS and Automation for Agriculture Trade Facilitation
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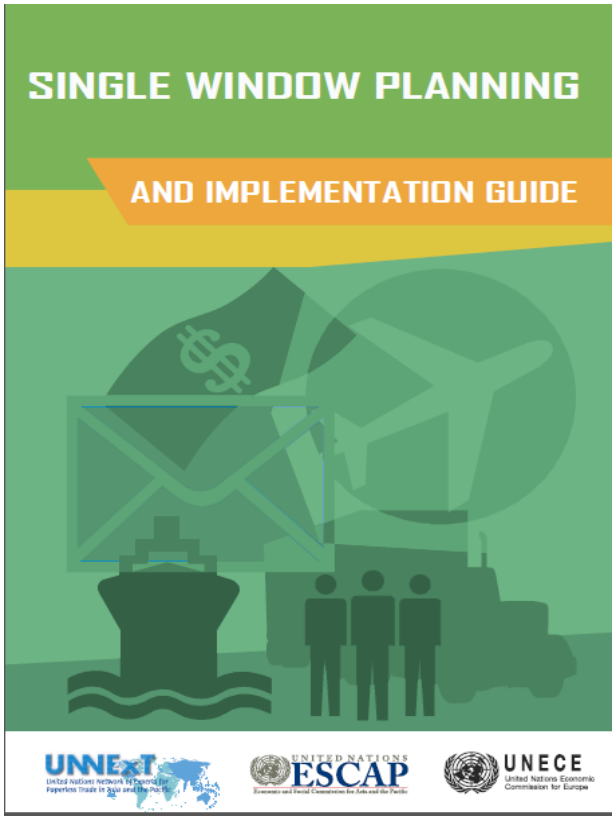
Objective of this presentation

- To recommend a systematic approach to develop a paperless/electronic Certification System
- To discuss key considerations for conducting a feasibility study
- To discuss an approach for cost-benefit analysis

An UNNExT Guide for SW Planning and Implementation



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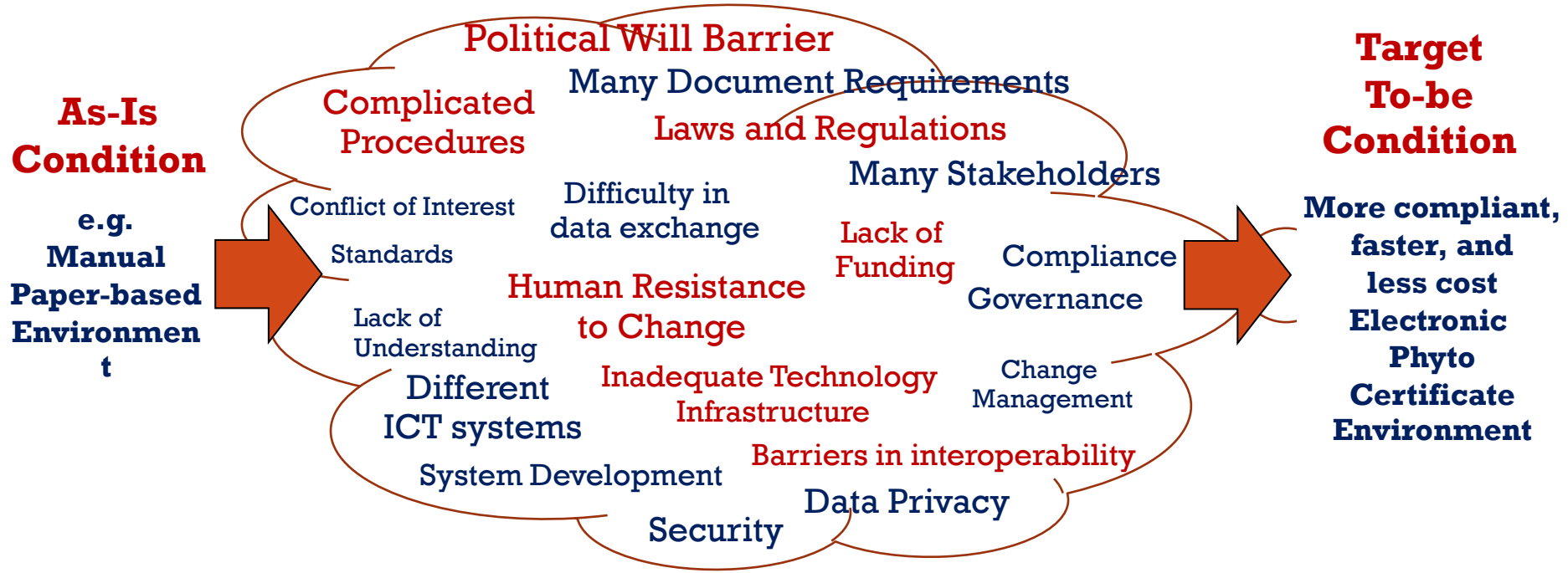
Why a systematic approach is recommended?

Because there are many challenges to be managed such that the e-Phyto Vision could be transformed into reality.



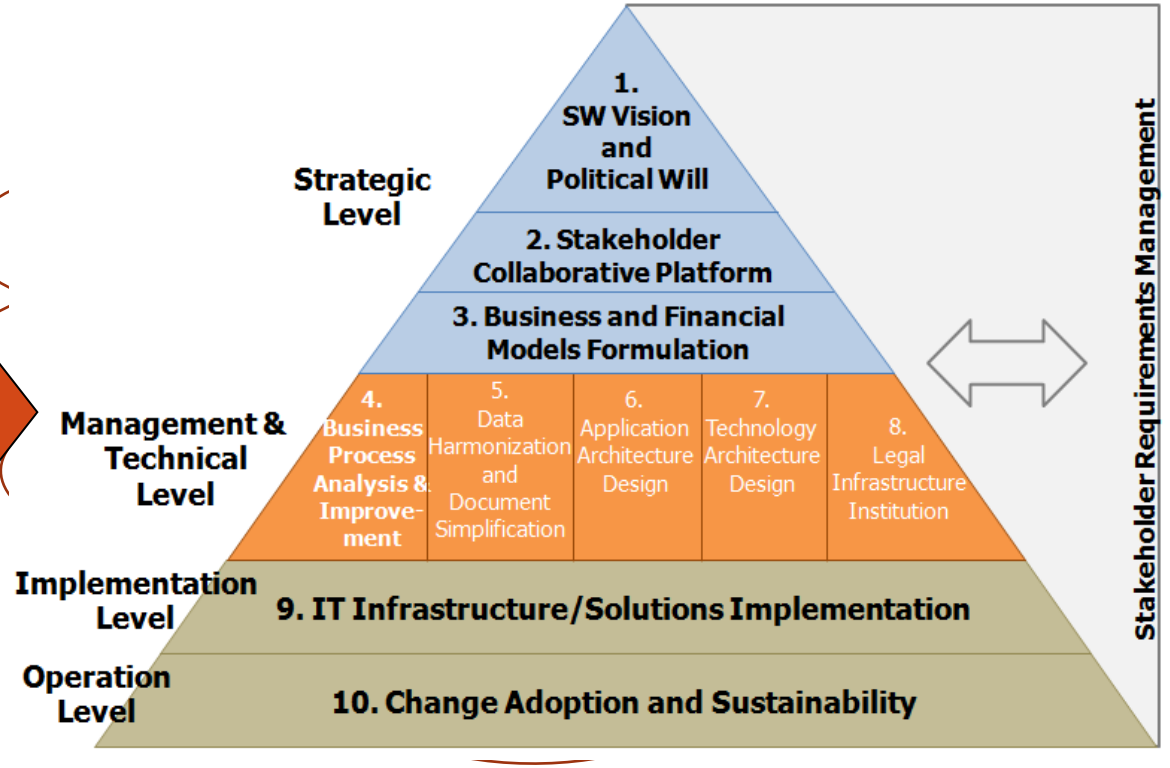
Applying Enterprise Architecture Concept

for conceptual feasibility study, detailed design, implementation and operations

Complexity of electronic platform can be handled by decomposing its challenges into smaller and more manageable sub-components.

As-Is Condition

e.g. Manual Paper-based Environment



Better To-be Condition

More compliant, faster, and less costly Electronic Phyto Certificate Environment

timeline

From the **"As-Is" conditions (architectures)** of all these components

10 critical components must be considered

Migrating to the target **"To-Be" architectures** of all these 10 components

Critical Success Components to develop electronic Certification System

1. Political Will
2. Project Management/Project Working Team
3. Adequate Budget/Financial Support
4. Business Process Analysis
5. Data/Document Simplification
6. Rules and Regulations Support
7. Application Architecture Design (and its online services)
   e.g. registration, online application submission, inspection scheduling, online reporting, PC issuance
8. Technical Standards and Protocols,
   e.g. ePhyto Schema for cross-border data exchange
9. Implementation/Construction
10. Operations

4 Phases of ePhyto System Development

Today Date

From the As-Is

Target To-Be Environment

1. Inception	2. Elaboration	3. Construction	4. Transition
Conduct a feasibility study (initial as-is Analysis & to-be	Detailed As-Is Analysis and Agreement of better To-Be environment  TOR	Implementation of • ICT infrastructure, application software and systems • Enacting necessary laws/regulations	People change must be managed such that more users, of both government officers and traders, are familiarized with, and really utilize