EU CDM

(The EU Customs Data Model)

An introduction

Agnes Nagy & Karlheinz Kadner

Data Integration and harmonisation
DG TAXUD Unit A.3,
European Commission

Presentation structure

Introduction

- *Customs data – Importance*

The WCO DM

- *Introduction – the basics*

The EUCDM

- *Objective - Method - Tool*
- *Dissemination*
- *Advantages*
- *Publication*
- *How Legal provisions are included in EUCDM*
- *Mapping to WCO DM*
- *Single Window*
- *Way forward*

Introduction

- *Data at the heart of **connectivity**.*
- *Data provided by traders is the life blood of Customs activity*
- *Without **quality data**, Customs cannot:*
  - *Collect **revenue** according to tariff and taxes*
  - ***Protect society***
    - *by implementing prohibitions and restrictions*
    - *by assessing and preventing security risks presented by goods and people/traders involved in international transactions*

>> Without quality data, Customs would be blind and powerless! <<

The WCO Data Model

- *Need to **strengthen** data quality whilst **facilitating** legitimate trade*
- *What are the available **WCO instruments** for this?*
  - *The Revised Kyoto Convention*
  - ***WCO Data Model***

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Introduction

The WCO Data Model is a LIBRARY

Standardised components

- Context
  - Business process models
- Content
  - Data elements
    - Definitions
    - Formats
  - Code lists
  - Identifiers
- Structure
  - Information models

Rules

Information packages

- Re-usable Information Elements
- Standard electronic templates
  - Goods declarations
  - Cargo reports
  - Conveyance reports
  - Licenses/Permits
  - Certificates

Base Information Packages

Base Information Packages (BIP) = basic document assemblies (collection of document subsets)

- ✓ ***Declaration BIP*** *>> B2G messages*
- ✓ ***Response BIP*** *>> G2B messages*
- ✓ ***InterGov BIP*** *>> G2G messages*
- ✓ ***LPCO BIP*** *>> Licenses, Permits, Certificates and Other*
- ✓ ***DocumentMetaData BIP*** *>> Document envelope information (to be used with all above BIPs)*

The EUCDM

- *Need to **strengthen** data quality whilst **facilitating** legitimate trade*
- *How do we do this **in the EU**?*
  - *By creating a strong EU-wide **legal framework** (UCC + DA/IA Annexes A, B)*
  - *By integrating data requirements into a detailed common data model, the **EUCDM***

The EU CDM

- ***Objective****: To integrate all this in a way that helps implementation.*
- ***Method****: Creation of an extension of the WCO DM with EU specificities (WCO DM + an EU "layer").*

- ***How?***
  - *Use of **specific tool** (GEFEG FX) to develop the EUCDM which:*
    - *Helps to **map** the EUCDM against **international standards**, notably the **WCO data model***
    - *Includes all necessary **code lists***
  - ***Schemas** used for data exchange can rely on the data elements and structures of the EUCDM*

Relation between WCO DM and EUCDM

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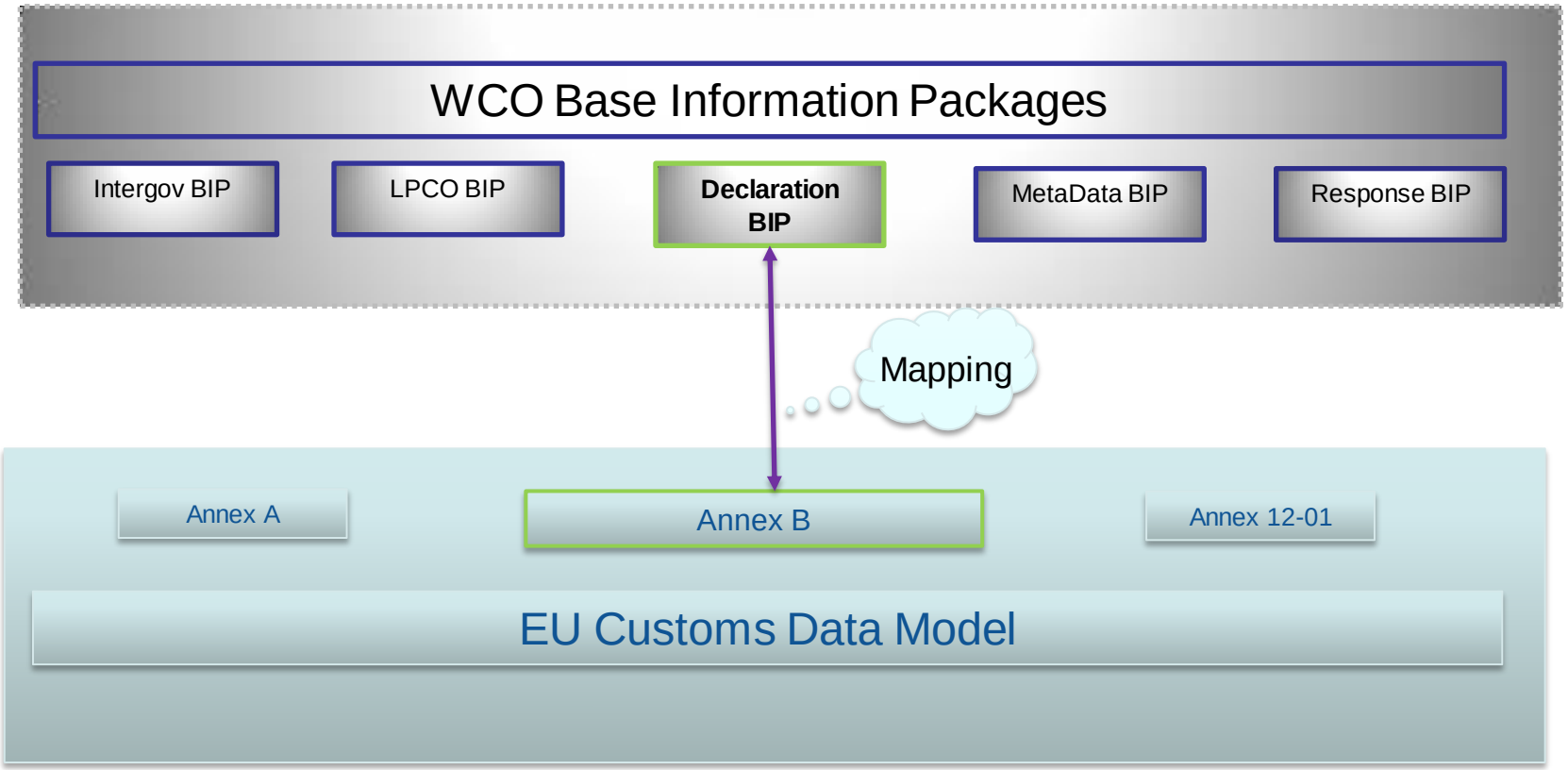
The EU CDM



Dissemination – National extensions

- *The tool:*
  - *allows EUCDM data and structures to be **made available to MS** for **IT development***
  - *allows other users (MS, traders) to **inherit** the EUCDM and to **customise** it in accordance with specific national requirements (Excise …)*

➢ *MS can **add** their **national** data requirements **layer** on the common EUCDM*

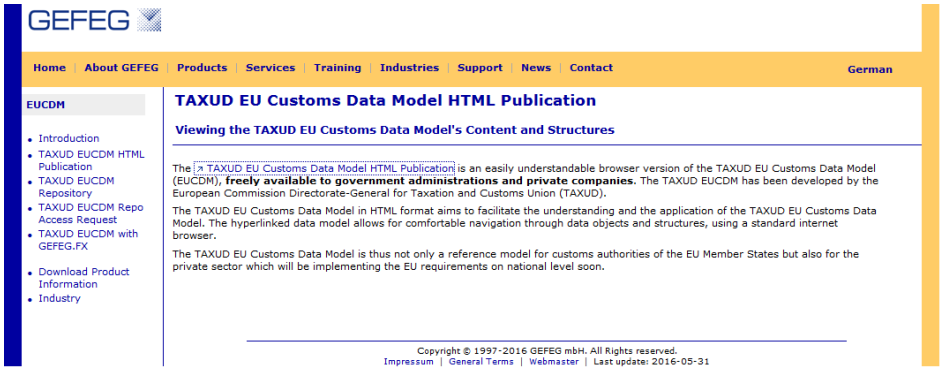
➢ ***EU-wide** implementation **commonality** is ensured for EU legal obligations **+** Non harmonized **national rules** added to common EUCDM core.*

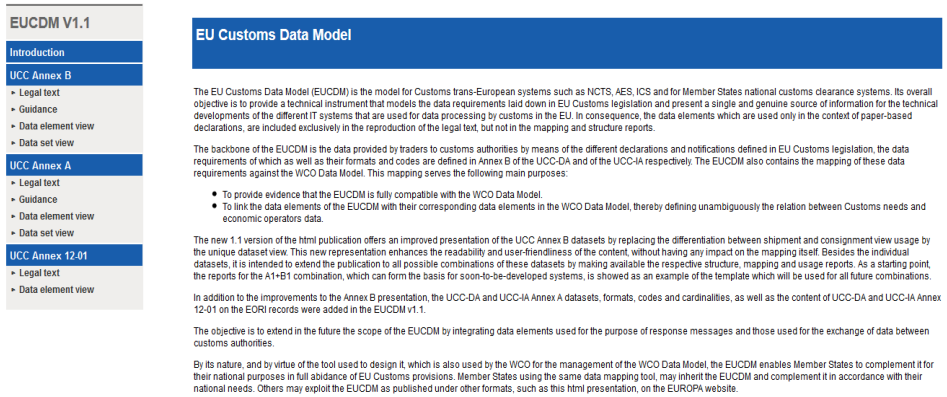
Advantages

- *Better data quality*
- *Cheaper exchanges*
  - *For trade and for Customs*
  - *Because: Same formats, definitions, data structures*
  - *In line with economic operators practices*

Publication

- *EUCDM publication:*
  - ***Read-only repository*** *(in GEFEG.FX native formats)*
  - *In* ***html format***





- *UCC **Annexes A, B and 12-01** publications **can be automatically generated** from a single source (Guarantee for **absolute coherence** between legal texts and EUCDM) (EU law <> EUCDM)*

- ***Transformation** of the UCC legal **requirements** into document structures via **re-use and customization of the WCO DM** (UCC Information Packages) (EU CDM < WCO DM)*

- ***Member States can reuse the UCC Information Package to:***
  - ***Cover their requirements beyond the UCC annexes** by extending the EUCDM for national technical and administrative purposes and other data sources (e.g. reporting formalities directive) but still based on the wider WCO Data Model (National implementations <> EUCDM-EU law)*
  - ***Auto-generate** their extended XML **schemas***

How Legal provisions are included in EUCDM

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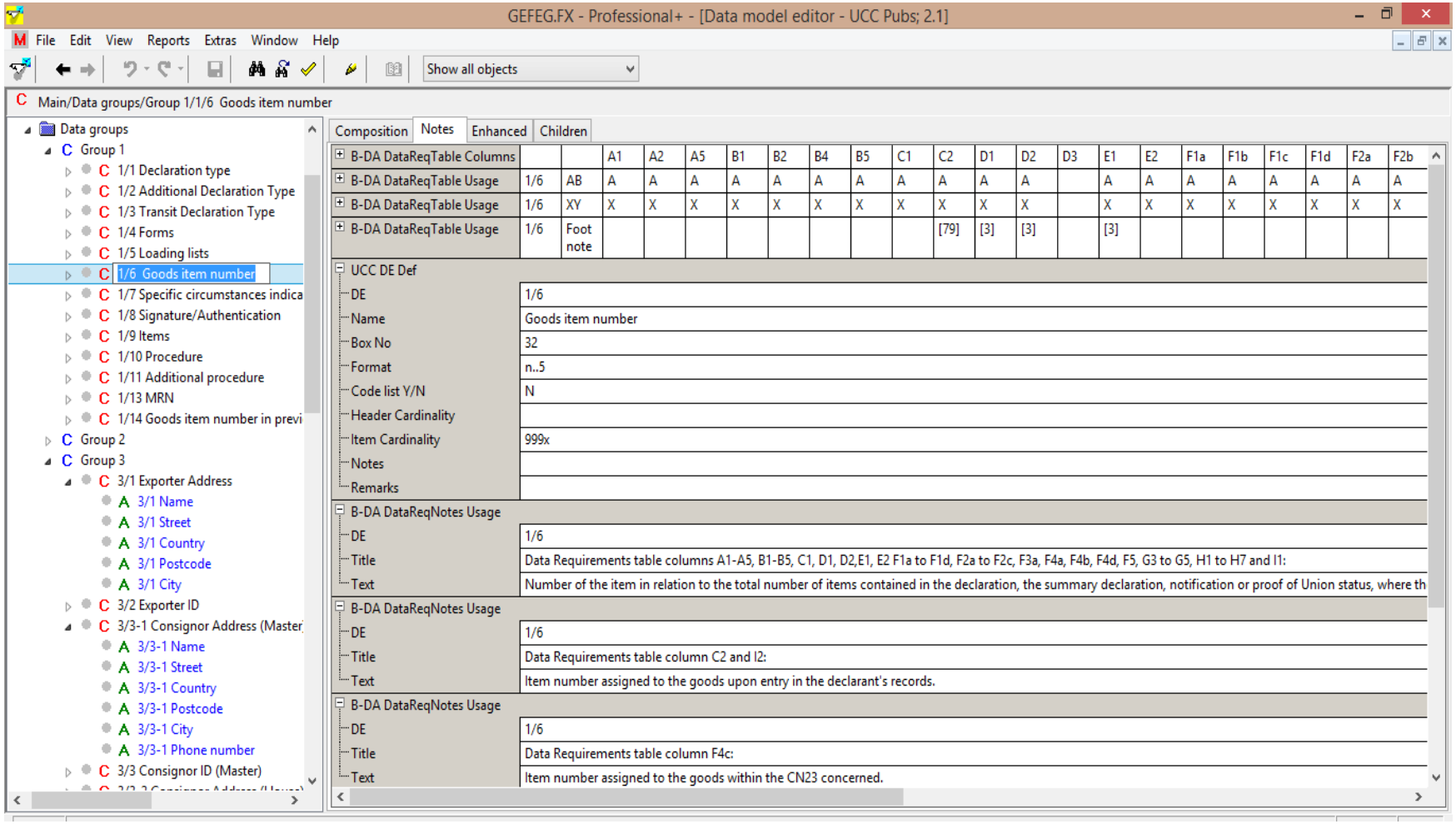
The EU CDM



Mapping to WCO DM

The EU CDM

Show influenceable objects only

- C 2/8 Identification of warehouse (O)
  - A 2/8 Type (O - string)
  - A 2/8 Identifier (O - string)
- C Group 3
  - C 3/1 Exporter Address (O)
    - A 3/1 Name (O - string)
    - A 3/1 Street (O - string)
    - A 3/1 Country (O - string)
    - A 3/1 Postcode (O - string)
    - A 3/1 City (O - string)
  - C 3/2 Exporter ID (O)
  - C 3/3-1 Consignor Address (Master) (O)

- C Exporter (O)
  - A name (O)
  - A identification (O)
  - role (N)
  - C Address (O)
    - type (N)
    - A cityName (O)
    - A country (O)
    - countrySubDivision (N)
    - countrySubDivisionName (N)
    - A line (O)
    - A postcode (O)
  - Contact (N)

Attribute | Notes | External code lists | Codes | Enhanced | Children

UCC DE Map	
DE	3/1
Name	Exporter country code
Box No	2
Format	a2
Code list Y/N	N
Header Cardinality	
Item Cardinality	
Notes	Country code:

Attribute | Notes | Enhanced | Children

UnqualifiedDataType	
WCO Code Remarks	EDIFACT codes (3207) = ISO 3166-1 2-alpha code
WCO	
WCO ID	242
WCO NAME	Country, coded
WCO DESC	Identification of the name of the country or other ge
WCO Class Name	Address
WCO Format	a2
Core Data Type	Code

Seq		^ Source	Link	Target
7	✔	1/11 Additional procedure (O - string)	3	current (O)
8	✔	2/8 Type (O - string)	57	role (O)
9	✔	2/8 Identifier (O - string)	58	identification (O)
10	✔	3/1 Name (O - string)	5	name (O)
11	✔	3/1 Street (O - string)	115	line (O)
12	✔	3/1 Country (O - string)	6	country (O)
13	✔	3/1 Postcode (O - string)	7	postcode (O)

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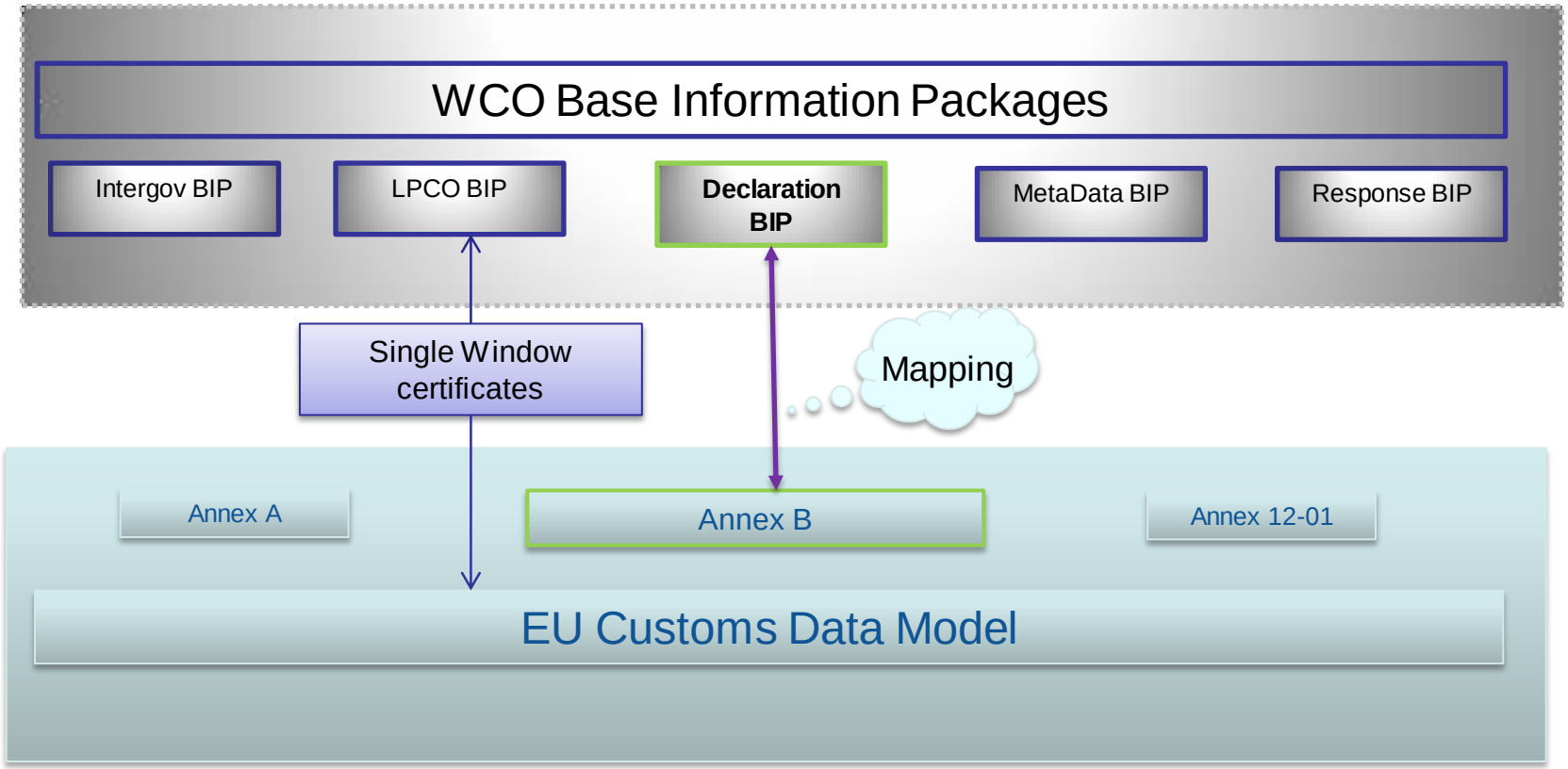

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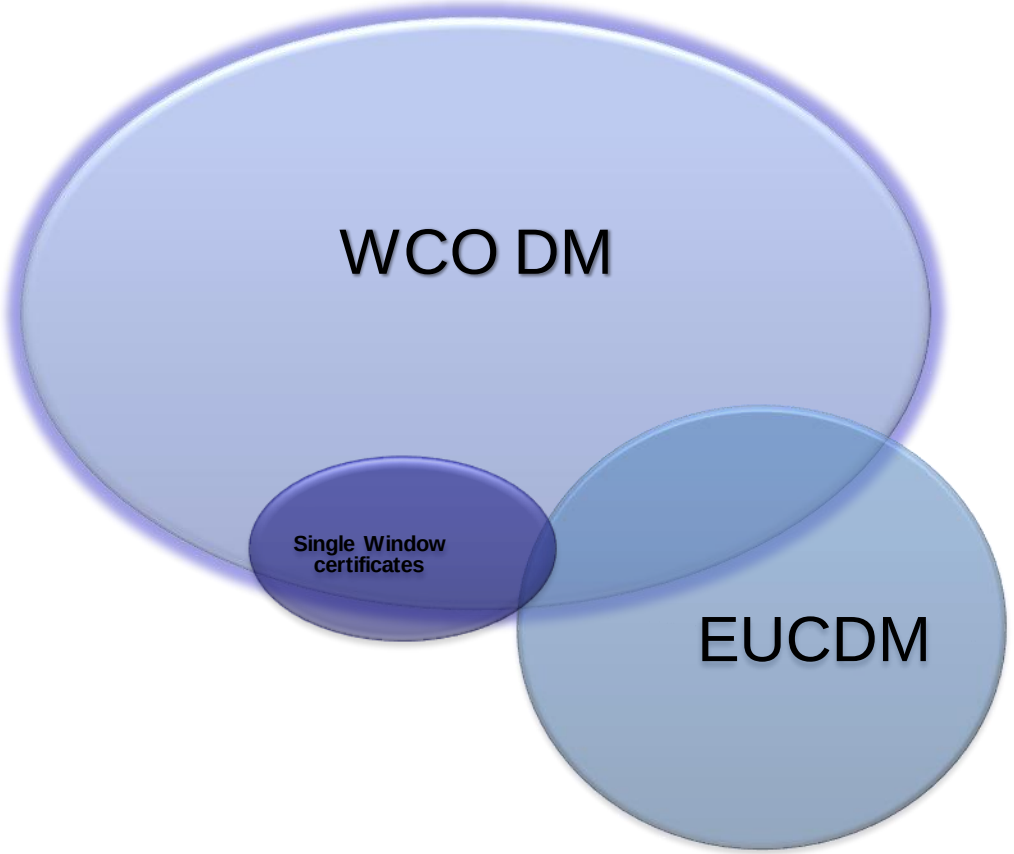
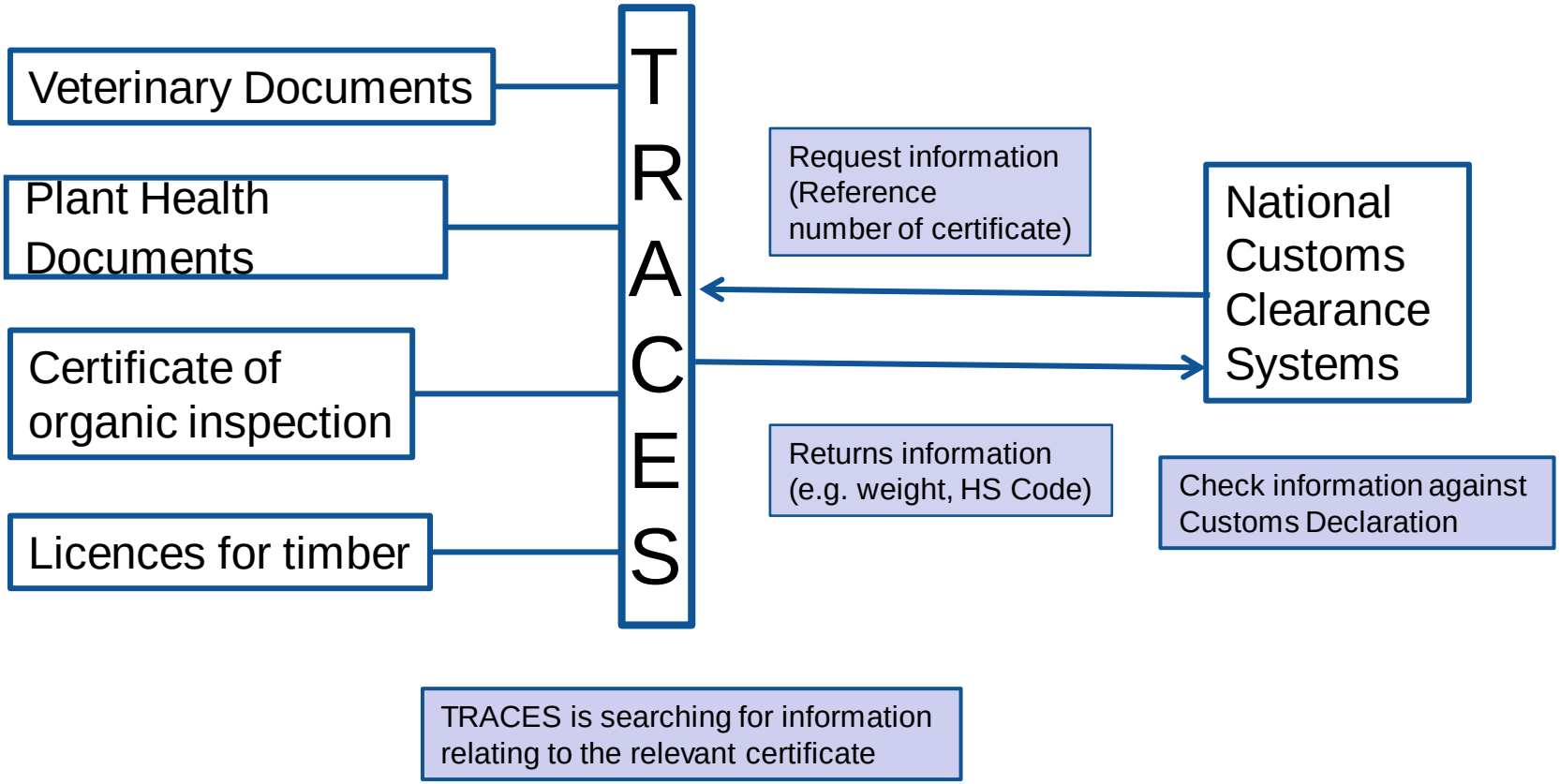


Single Window



Single Window

This information requires:

- Standardised data formats
- International standard for data exchange with third countries (e.g. certificate of organic inspection; timber licences)

The certificates have been mapped against the WCO DM

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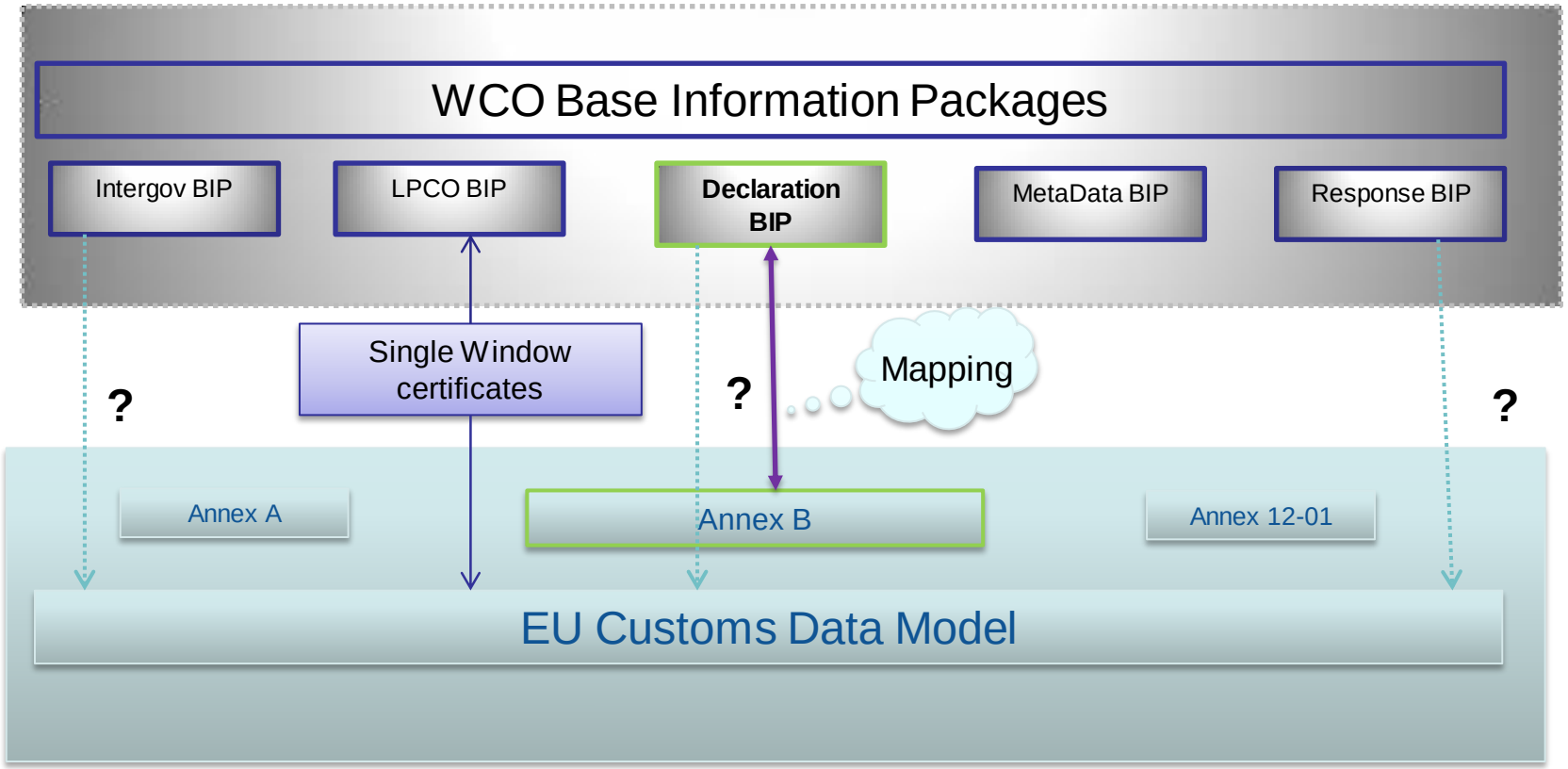

Benefits for MS and Trade

- ✓ Improve data exchange efficiency and strengthen data quality
- ✓ Add national requirements layer on EUCDM
- ✓ Reduced resource requirements
- ✓ Implementation beneficial for exchanging information with non-EU countries due to compliance with WCO DM
- ✓ Efficient trade facilitation: cooperation between involved public authorities (e.g. Single Window)

More information?

THANK YOU VERY MUCH FOR YOUR ATTENTION

ANY QUESTIONS ?

Agnes Nagy	Karlheinz Kadner
European Commission - TAXUD A/3	European Commission - TAXUD A/3
✆ +32 2 295 92 92	✆ +32 2 296 41 23
✉ Agnes.Nagy@ec.europa.eu	✉ Karlheinz.Kadner@ec.europa.eu

Web: http://ec.europa.eu/taxation_customs/customs/customs_code/union_customs_code/ucc/index_en.htm and http://ec.europa.eu/taxation_customs/customs/procedural_aspects/general/sad/index_en.htm

See also an article in WCO news magazine (page 60)